141598

Tables

TABLE 2.1-1

TITLE SEARCH INFORMATION

WCP SITE - PROPERTY OWNERSHIP

GRANTOR	GRANTEE	DATE OF DEED	RECORDED
Charles H. Coster & WF	E.J. & E. Railway Company	7/14/1893	7/18/1893
E.J. & E. Railway Company	William A. Baehr	03/14/27	03/16/27
William A. Baehr & WF	North Shore Coke & Chemical Co.	03/14/27	03/16/27
North Shore Coke & Chemical Co.	North Shore Gas Co.	12/23/41	12/23/41
North Shore Gas Co.	Waukegan Coke Corp.	06/28/47	07/14/47
Waukegan Coke Corp.	General Motors Corp.	05/28/48	06/03/48
General Motors Corp. (southern 2.874 acres)	Outboard Marine Corp.	07/10/69	NA
General Motors Corp. (remaining site acreage)	Outboard Marine Corp.	11/08/71	08/28/72

WF = Wife
NA = Not available

Reference: OMC, 1990a (pg. 0000002)

TABLE 2.1-2

INVENTORY OF STRUCTURES/EQUIPMENT AT THE WCP SITE[a,b]

Former CT&T Wood Treatment Plant Facilities
4 steel creosote storage tanks
Planing mill
Tie treating building
Creosote weighing vanes
Overhead metal conveyor
Storage building
Sheds

Coal Preparation Area
Coal screening towers (2)
Coal mixing tower
Coal crushing tower
Various conveyor belts
Boat unloading tower

By-products Area
By-products building
Tar storage tanks
Fuel oil tank
Ammonia tank
Ammonia cooling coils
Acid storage tank
Hot flush tank
Fuel gas holder
Still waste liquid sump
Naphthalene sump
Naphthalene oil pump
Cooling tower
Scrubbing tower
Gas oil tanks (2)

Purification Area
Thionizer Absorber/Regenerator

Oven Area
31 Koppers Co. Becker Type Ovens (9.1 ton capacity)
Portable iron oven pusher
225-foot chimney

Coke Handling Area
Coke quenching station
Water reservoir
Calcium chloride treating tank
Screening coke crusher

Generating Plant
Boiler house (2 turbines, 2 boilers inside)
Concrete chimney
Truck scale

Miscellaneous Structures
Truck scales
Machine shop
Office building
Laboratory
Service building
Meter house

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[a]CT&T Wood Treating Facility - Sanborn Fire Insurance Map, 1917
[b]Manufactured Gas and Coke Plant - OMC, 1990a; and North Shore Gas Company, 1990

TABLE 2.1-3

POTENTIAL CHEMICALS OF CONCERN
MANUFACTURED GAS PLANT SITES

PURIFICATION PROCESS	COAL ASH	COAL TAR		
INORGANICS	METALS	VOLATILE AROMATICS	PHENOLICS	POLYNUCLEAR AROMATIC HYDROCARBONS
Ammonia	Aluminum	Benzene	Phenol	Acenaphthene
Cyanide	Antimony	Ethyl Benzene	2-Methylphenol	Acenaphthylene
Nitrate	Arsenic	Toluene	4-Methylphenol	Anthracene
Sulfate	Barium	Total Xylenes	2,4-Dimethylphenol	Benzo(a)anthracene
Sulfide	Cadmium			Benzo(a)pyrene
Thiocyanates	Chromium			Benzo(b)fluoranthene
	Copper			Benzo(g,h,i)perylene
	Iron			Benzo(k)fluoranthene
	Lead			Chrysene
	Manganese			Dibenzo(a,h)anthracene
	Mercury			Dibenzofuran
	Nickel			Fluoranthene
	Selenium			Fluorene
	Silver			Naphthalene
	Vanadium			Phenanthrene
	Zinc			Pyrene
				2-Methylnaphthalene

Source: GRI, 1987. "Management of Manufactured Gas Plant Sites, Volume I"

TABLE 2.2-1

CLIMATIC DATA FOR THE WAUKEGAN AREA

MONTH	WAUKEGAN 2 WNW MONTHLY AVERAGES 1931-1960[1]		TEMPERATURE (°F)									TOTAL PRECIPITATION (IN)				AVERAGE TOTAL PRECIP. 1931-1960[7]
			MEAN MAXIMUM			MEAN MINIMUM			MEAN			WAUKEGAN[3]		WAUKEGAN 2 WNW		
			COMBINED ANTIOCH/ WAUKEGAN	WAUKEGAN		COMBINED ANTIOCH/ WAUKEGAN	WAUKEGAN		COMBINED ANTIOCH/ WAUKEGAN	WAUKEGAN						
	TEMP. (°F)	PRECIP. (IN)	1931-1960[2]	1992[3]	1993[4]	1931-1960[2]	1992[3]	1993[4]	1931-1960[2]	1992[3]	1993[4]	1992[3]	1993[4]	1992[5]	1993[5]	
JAN	24.3	1.96	31	32.8	32.8	15	20.3	17.3	23	26.6	25.1	0.47	2.00	0.77	1.40	1.8
FEB	26.0	1.48	34	37.2	30.3	17	25.2	16.1	26	31.2	23.2	1.40	0.84	1.39	1.94	1.4
MAR	34.3	2.38	43	42.2	37.4	25	26.4	24.6	34	34.3	31.0	1.20	2.15	1.81	3.29	2.4
APR	46.3	3.21	57	50.9	50.2	37	33.9	33.9	47	42.1	42.1	2.73	7.11	2.51	5.95	3.2
MAY	56.7	3.71	68	65.6	67.1	46	42.9	46.7	57	50.3	56.9	0.34	2.08	0.44	2.35	3.7
JUN	67.2	3.88	78	72.4	73.2	56	50.0	54.8	67	61.2	64.0	1.14	9.86	1.27	8.47	3.7
JUL	72.5	3.18	83	76.0	81.4[6]	61	59.2	62.5[6]	72	67.6	72.0[6]	5.24	2.42	3.60	5.56	3.3
AUG	71.6	3.30	82	75.0	81.3	61	55.2	63.7	72	65.1	72.5	3.65	3.99	2.72	8.04	3.2
SEP	64.3	3.01	75	69.6	65.5	53	50.5	49.4	64	60.1	57.5	4.90	3.19	4.18	3.26	3.3
OCT	53.4	2.36	63	60.3	59.5	43	38.3	38.0	53	49.3	48.8	1.06	0.84	0.22	2.00	2.5
NOV	38.9	2.37	47	42.5	--	30	31.5	--	39	37.0	--	5.67	--	5.87	--	2.2
DEC	27.7	1.97	34	34.3	--	19	21.5	--	44	27.9	--	2.05	--	1.54	--	1.8
ANNUAL	48.6	32.81	58	54.9	54.5	39	37.9	40.7	49	46.4	49.3	29.85	34.48	26.32	42.26	32.5

[1]Data from Waukegan 2 WNW recording station (Lat: 42°22'N; Long: 87° 49'W; Elev: 650 ft. MSL) in: Climates of the States, Vol. 1, Eastern States plus Puerto Rico and the U.S. Virgin Islands, 1974. Water Information Center, Inc.
[2]Data from combined Records of Antioch and Waukegan Recording Stations (1931-1960) in U.S. Department of the Interior Soil Conservation Service, Soil Survey, Lake County, Illinois, 1970.
[3]Data from Annual Climatological Summary Table for Waukegan Station (Lat: 42°21'N; Long: 87°53'W; Elev: 700 ft. MSL), 1992, National Climatic Data Center, NOAA.
[4]Data based on Actual Daily Data for the Waukegan Station, 1993, National Climatic Data Center, NOAA.
[5]Data based on Actual Daily Data for the Waukegan 2 WNW Station, 1993; National Climatic Data Center, NOAA.
[6]Not complete data set.
-- Not available.

TABLE 2.2-2

LAKE LEVEL DATA FOR LAKE MICHIGAN

MONTH	LAKE LEVELS (FT/MSL)		
	AVERAGE (1979-1988)[1]	AVERAGE 1992[2]	AVERAGE 1993[2]
JAN	580.6	580.1	580.6
FEB	580.4	579.9	580.5
MAR	580.5	580.1	580.4
APR	580.8	580.2	580.6
MAY	581.0	580.5	581.0
JUN	581.2	580.5	581.6
JUL	581.3	580.5	581.7
AUG	581.2	580.6	581.6
SEP	581.0	580.5	581.5
OCT	580.9	580.4	581.3
NOV	580.7	580.3	--
DEC	580.7	580.5	--

[1]Data taken from the Average Lake Level Hydrograph for Lakes Michigan-Huron from 1979 to 1988; from Lake Michigan Nautical Chart, 1989, 8th Ed., National Ocean Service.

[2]Data taken from Monthly Bulletin of Lake Levels for the Great Lakes, U.S. Army Corps of Engineers, North Central Division.

TABLE 2.2-3

HYDROLOGIC BUDGET FOR LAKE MICHIGAN

ITEM	VALUE	PERIOD OF RECORD
Surface Water Inflows	28.1×10^6 acre feet/year	1910 through 1990
Direct Precipitation	37.4×10^6 acre feet/year	1900 through 1990
Evaporation	30.1×10^6 acre feet/year	1948 through 1990
Net Basin Supply	38.4×10^6 acre feet/year	1950 through 1990

Based on NOAA records.

TABLE 2.2-4

THREATENED AND ENDANGERED SPECIES
ILLINOIS BEACH STATE PARK

STATE OF ILLINOIS LISTING:

SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	STATUS
Plant:			
Calopogon tuberosous	Tuberous grass pink	1983	T
Carex garberi	Sedge	1987	E
Carex crawei	Crawe's sedge	1988	T
Eleocharis olivacea	Spikerush	1988	E
Platanthera clavellata	Wood orchid	1977	E
Utricularia cornuta	Horned bladderwort	1990	E
Utricularia minor	Small bladderwort	1970	E
Salix syrticola	Dune willow	1988	E
Ammophila breviligulata	Marram grass	1977	E
Populus balsamifera	Balsam poplar	1990	E
Chamaesyce polygonifolia	Seaside spurge	1977	E
Juncus alpinus	Richardson's rush	1975	E
Carex viridula	Little green sedge	1977	E
Orobanche fasciculata	Clustered broomrape	1988	E
Animal:			
Euphagus cyanode halus	Brewer's blackbird	1987	T
Bartramia longicauda	Upland sandpiper	1987	E
Ammodramus henslowii	Henslow's sparrow	1982	T
Podilymbus podiceps	Pied-billed grebe	1982	E
Nycticorax nycticorax	Black-crowned night heron	1983	E

FEDERAL LISTING:

SCIENTIFIC NAME	COMMON NAME	PRESENCE IN AREA	STATUS
Plant:			
Cirsium pitcheri	Pitcher's thistle	K	T
Animal:			
Sterna hirundo	Common tern	K	C
Charadrius melodus	Piping plover	P	E
Falco peregrinus	Peregrine falcon	P	E
Myotis soladis	Indiana bat	P	E
Lyaeides melissa samuelis	Karner blue butterfly	P	E

T = Threatened E = Endangered
K = Known presence P = Possible presence
C = Candidate

Source: Hey and Associates, 1993.

TABLE 4.0-1

Soil and Water Quality
Full Scan Analytical Parameter List

INORGANIC COMPOUNDS
- Arsenic, total
- Cyanide, total
- Aluminum
- Antimony
- Barium
- Beryllium
- Cadmium
- Calcium
- Chromium, total
- Cobalt
- Copper
- Iron
- Lead
- Magnesium
- Manganese
- Mercury
- Nickel
- Potassium
- Selenium
- Silver
- Sodium
- Thallium
- Vanadium
- Zinc

VOLATILE ORGANIC COMPOUNDS

BETX
- Benzene
- Ethyl Benzene
- Toluene
- Xylenes

VOLATILE ORGANIC COMPOUNDS (cont.)

Chlorinated Compounds
- Bromodichloromethane
- Carbon Tetrachloride
- Chloroethane
- Chloroform
- Chloromethane
- Chlorobenzene
- Chlorodibromomethane
- 1,1-Dichloroethane
- 1,2-Dichloroethane
- 1,1-Dichloroethylene
- 1,2-Dichloroethylene
- 1,2-Dichloropropane
- Cis-1,3-Dichloro-1-propene
- Trans-1,3-Dichloro-1-propene
- Methylene Chloride
- Styrene
- 1,1,2,2-Tetrachloroethane
- Tetrachloroethylene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Trichloroethylene
- Vinyl Chloride

Other Compounds
- Acetone
- Bromoform
- Bromomethane
- Carbondisulfide
- 2-Hexanone
- Methyl Ethyl Ketone
- Methyl Isobutyl Ketone

SEMIVOLATILE ORGANIC COMPOUNDS

Carcinogenic Compounds
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Benzo(a)pyrene
- Carbazole
- Chrysene
- Dibenzo(ah)anthracene
- Indeno(1,2,3,cd)pyrene

Project Specific Non-Carcinogenic Compounds
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(ghi)perylene
- Dibenzofuran
- Fluoranthene
- Fluorene
- 2-Methylnaphthalene
- Naphthalene
- Phenanthrene
- Pyrene

Phenolic Compounds
- 4-Chloro-3-methylphenol
- 2-Chlorophenol
- o-Cresol
- p-Cresol
- 2,4-Dichlorophenol
- 2,4-Dimethylphenol
- 2,4-Dinitrophenol
- 2-Methyl-4,6-dinitrophenol
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol

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TABLE 4.0-1 (cont.)

Soil and Water Quality
Full Scan Analytical Parameter List

SEMIVOLATILE ORGANIC COMPOUNDS (cont.)

Other Semi-Volatile Organic Compounds

- Bis(2-chloroethoxy)methane
- Bis(2-chloroethyl)ether
- Bis(2-chloroisopropyl)ether
- Bis(2-ethylhexyl)phthalate
- 4-Bromophenyl phenyl ether
- Butyl benzyl phthalate
- 4-Chloroaniline
- 2-Chloronaphthalene
- 4-Chlorophenyl phenyl ether
- Di-n-butyl phthalate
- Di-n-octyl phthalate
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- 3,3-Dichlorobenzidine
- Diethyl phthalate
- Dimethyl phthalate
- 2,4-Dinitrotoluene
- 2,6-Dinitrotoluene
- Hexachlorobenzene
- Hexachlorobutadiene
- Hexachlorocyclopentadiene
- Hexachloroethane
- Isophorone
- N-Nitrosodi-n-propylamine
- N-Nitrosodiphenylamine
- Nitrobenzene
- 2-Nitroaniline
- 3-Nitroaniline
- 4-Nitroaniline
- 1,2,4-Trichlorobenzene

PESTICIDES AND PCBs

Pesticides

- Aldrin
- a-BHC
- b-BHC
- d-BHC
- g-BHC (Lindane)
- Alpha Chlordane
- Gamma Chlordane
- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- Dieldrin
- Endosulfan I
- Endosulfan II
- Endosulfan Sulfate
- Endrin
- Endrin Aldehyde
- Endrin Ketone
- Heptachlor
- Heptachlor Epoxide
- Methyloxyclor
- Toxaphene

PCBs

- PCB-1016
- PCB-1221
- PCB-1232
- PCB-1242
- PCB-1248
- PCB-1254
- PCB-1260

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TABLE 4.0-2

Soil Quality
Phase I Analytical Parameter List

INORGANIC COMPOUNDS
- Arsenic, total
- Cyanide, total
- Aluminum
- Antimony
- Barium
- Beryllium
- Cadmium
- Calcium
- Chromium, total
- Cobalt
- Copper
- Iron
- Lead
- Magnesium
- Manganese
- Mercury
- Nickel
- Potassium
- Selenium
- Silver
- Sodium
- Thallium
- Vanadium
- Zinc

VOLATILE ORGANIC COMPOUNDS

BETX
- Benzene
- Ethyl Benzene
- Toluene
- Xylenes

VOLATILE ORGANIC COMPOUNDS (cont.)

Chlorinated Compounds
- Bromodichloromethane
- Carbon Tetrachloride
- Chloroethane
- Chloroform
- Chloromethane
- Chlorobenzene
- Chlorodibromomethane
- 1,1-Dichloroethane
- 1,2-Dichloroethane
- 1,1-Dichloroethylene
- 1,2-Dichloroethylene
- 1,2-Dichloropropane
- Cis-1,3-Dichloro-1-propene
- Trans-1,3-Dichloro-1-propene
- Methylene Chloride
- Styrene
- 1,1,2,2-Tetrachloroethane
- Tetrachloroethylene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Trichloroethylene
- Vinyl Chloride

Other Compounds
- Acetone
- Bromoform
- Bromomethane
- Carbondisulfide
- 2-Hexanone
- Methyl Ethyl Ketone
- Methyl Isobutyl Ketone

SEMIVOLATILE ORGANIC COMPOUNDS

Carcinogenic Compounds
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenzo(ah)anthracene
- Indeno(1,2,3,cd)pyrene

Project Specific Non-Carcinogenic Compounds
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(ghi)perylene
- Dibenzofuran
- Fluoranthene
- Fluorene
- 2-Methylnaphthalene
- Naphthalene
- Phenanthrene
- Pyrene

Phenolic Compounds
- 4-Chloro-3-methylphenol
- 2-Chlorophenol
- o-Cresol
- p-Cresol
- 2,4-Dichlorophenol
- 2,4-Dimethylphenol
- 2,4-Dinitrophenol
- 2-Methyl-4,6-dinitrophenol
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol

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TABLE 4.0-3

Soil Quality
Phase II Analytical Parameter List

INORGANIC COMPOUNDS
- Arsenic, total
- Cyanide, total
- Cadmium
- Lead
- Mercury
- Selenium

VOLATILE ORGANIC COMPOUNDS
BETX
- Benzene
- Ethyl Benzene
- Toluene
- Xylenes

SEMIVOLATILE ORGANIC COMPOUNDS
Carcinogenic Compounds
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Benzo(a)pyrene
- Carbazole
- Chrysene
- Dibenzo(ah)anthracene
- Indeno(1,2,3,cd)pyrene

SEMIVOLATILE ORGANIC COMPOUNDS (cont.)
Project Specific Non-Carcinogenic Compounds
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(ghi)perylene
- Dibenzofuran
- Fluoranthene
- Fluorene
- 2-Methylnaphthalene
- Naphthalene
- Phenanthrene
- Pyrene

Phenolic Compounds
- o-Cresol
- p-Cresol
- 2,4-Dimethylphenol
- Phenol

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TABLE 4.0-4

Water Quality
Phase II Analytical Parameter List

INORGANIC COMPOUNDS
- Arsenic, total
- Arsenic III
- Arsenic V
- Cyanide, total
- Amenable Cyanide
- Thiocyanate
- Cyanide, WAD
- Cadmium
- Lead
- Mercury
- Selenium

VOLATILE ORGANIC COMPOUNDS

BETX
- Benzene
- Ethyl Benzene
- Toluene
- Xylenes

Chlorinated Compounds
- Bromodichloromethane
- Carbon Tetrachloride
- Chloroethane
- Chloroform
- Chloromethane
- Chlorobenzene
- Chlorodibromomethane
- 1,1-Dichloroethane
- 1,2-Dichloroethane
- 1,1-Dichloroethylene
- 1,2-Dichloroethylene
- 1,2-Dichloropropane
- Cis-1,3-Dichloro-1-propene
- Trans-1,3-Dichloro-1-propene
- Methylene Chloride
- Styrene
- 1,1,2,2-Tetrachloroethane
- Tetrachloroethylene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Trichloroethylene
- Vinyl Chloride

Other Compounds
- Acetone
- Bromoform
- Bromomethane
- Carbondisulfide
- 2-Hexanone
- Methyl Ethyl Ketone
- Methyl Isobutyl Ketone

SEMIVOLATILE ORGANIC COMPOUNDS

Carcinogenic Compounds
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Benzo(a)pyrene
- Carbazole
- Chrysene
- Dibenzo(ah)anthracene
- Indeno(1,2,3,cd)pyrene

Project Specific Non-Carcinogenic Compounds
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(ghi)perylene
- Dibenzofuran
- Fluoranthene
- Fluorene
- 2-Methylnaphthalene
- Naphthalene
- Phenanthrene
- Pyrene

Phenolic Compounds
- o-Cresol
- p-Cresol
- 2,4-Dimethylphenol
- Phenol

GENERAL CHEMISTRY PARAMETERS
- Acidity as $CaCO_3$
- Total Alkalinity
- Alkalinity, Phenolphthalein
- Biochemical Oxygen Demand (5-day)
- Cation-Anion Balance, %
- Chloride
- Chemical Oxygen Demand
- Total Hardness
- Ammonia Nitrogen
- Nitrate
- Nitrite
- Oil and Grease
- Phosphorus, Total
- Specific Gravity
- Sulfate
- Total Dissolved Solids
- Total Organic Carbon
- Total Sulfide
- Total Suspended Solids
- Turbidity

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TABLE 4.0-5

Soil Quality
General Remediation Evaluation Analytical Parameter List

REMEDIAL TECHNOLOGY EVALUATION PARAMETERS
- Cation Exchange Capacity
- Corrosivity
- Reactivity
- Flash Point
- Gross Heating Value
- Oil and Grease
- Total Organic Carbon
- Sulfate
- Total Sulfide
- Iron

TCLP PARAMETERS
Volatile Organic Compounds
- Benzene
- 2-Butanone
- Carbon Tetrachloride
- Chlorobenzene
- Chloroform
- 1,2-Dichloroethane
- 1,1-Dichloroethene
- Tetrachloroethene
- Trichloroethene
- Vinyl Chloride

Semi-Volatile Organic Compounds
- m-Cresol
- o-Cresol
- p-Cresol
- 1,4-Dichlorobenzene
- 2,4-Dinitrotoluene
- Hexachlorobenzene
- Hexachlorobutadiene
- Hexachloroethane
- Nitrobenzene
- Pentachlorophenol
- Pyridine
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol

TCLP PARAMETERS (cont.)
Pesticides
- g-BHC (Lindane)
- Chlordane
- 2,4-D
- Endrin
- Heptachlor
- Heptachlor Epoxide
- Methyloxychlor
- Toxaphene
- 2,4,5-TP (Silvex)

Metals
- Arsenic
- Barium
- Cadmium
- Chromium
- Lead
- Mercury
- Selenium
- Silver

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TABLE 4.1-1

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
TEST TRENCH SOIL SAMPLES							
TT-01-01	03/06/92	0+25	2.5	0	T	N	--
TT-01-02	03/06/92	0+50	4.0	23	M	M	--
TT-01-03	03/06/92	1+15	2.0	1	M	N	--
TT-01-04	03/06/92	1+30	6.0	80	M	S	--
TT-01-05	03/09/92	2+00	3.0	1	N	M	--
TT-02-01	03/05/92	0+05	2.0	6.5	N	N	--
TT-02-02	03/05/92	0+35	2.0	0.5	N	N	--
TT-02-03	03/05/92	0+55	2.0	23	N	N	--
TT-02-04	03/05/92	1+15	2.5	90	M	L	--
TT-02-05	03/05/92	1+50	2.0	0.5	N	M	--
TT-02-06	03/05/92	1+25	2.5	--	--	--	--
TT-02-09	03/05/92	1+35	1.0	--	--	--	--
TT-02-10	03/05/92	1+45	1.0	--	--	--	--
TT-03-01	03/10/92	0+50	4.0	22	H	S	--
TT-03-02	03/10/92	1+30	4.0	5	T	L	--
TT-03-03	03/11/92	1+80	4.0	1	N	N	--
TT-03W-01	03/13/92	0+50	4.0	99	H	S	--
TT-03W-02	03/13/92	1+33	3.5	630	H	S	--
TT-03W-01A	03/20/92	2+05	2.0	0	N	--	--
TT-03W-02A	03/20/92	2+05	4.0	3	N	--	--
TT-04-01	03/05/92	0+05	4.0	0.5	N	N	--
TT-04-02	03/05/92	0+40	4.5	3.0	M	N	--
TT-04-03	03/05/92	0+40	6.0	--	--	--	--
TT-05-01	03/09/92	0+30	5.0	2	H	D	--
TT-05-02	03/09/92	0+40	4.5	21	H	D	--
TT-05E-01	03/10/92	1+10	5.0	0	N	N	--
TT-06-01	03/09/92	0+15	4.0	1	M	N	--
TT-06-02	03/09/92	0+40	4.5	9	H	S	--
TT-06-03	03/09/92	0+60	4.5	10	N	D	--
TT-06-04	03/09/92	0+30	2.5	0.5	N	N	--
TT-07-01	03/19/92	0+10	4.5	38	N	N	--
TT-07-02	03/19/92	0+28	2.5	0	N	N	--
TT-07-03	03/19/92	0+80	4.5	150	H	P	--
TT-08-01	03/21/92	0+15	3.0	45	M	L	--
TT-08-02	03/21/92	0+10	4.0	40	H	S	--

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
TT-08A-01	03/21/92	0+05	5.0	7	N	U	--
TT-08A-02	03/21/92	0+45	3.0	430	M	N	--
TT-09-01	03/11/92	0+25	5.0	2	N	N	--
TT-09-02	03/11/92	0+60	6.0	9	N	N	--
TT-10-01	03/21/92	0+13	7.0	3,440	H	M	--
TT-10-02	03/21/92	0+40	4.0	4,740	H	S	--
TT-11-01	03/18/92	0+40	2.5	800	H	S	--
TT-11-02	03/18/92	0+30	4.0	1,250	H	S	--
TT-12-01	03/18/92	0+40	4.0	1,700	H	S	--
TT-12-02	03/18/92	0+10	4.0	3,675	H	S	--
TT-12-03	03/18/92	0+25	1.0	0	N	N	--
TT-13-01	03/16/92	0+15	4.5	0	N	N	--
TT-13-02	03/16/92	0+30	4.5	0	N	N	--
TT-14-01	03/18/92	0+30	4.0	660	H	S	--
TT-14-02	03/18/92	0+40	4.0	800	H	S	--
TT-14-03	03/18/92	--	4.0	330	H	S	--
TT-14-04	03/18/92	--	4.0	70	H	--	--
TT-15-01	03/17/92	0+30	5.5	750	H	S	--
TT-15-01A	03/20/92	0+50	5.0	750	H	S,P	--
TT-16-01	03/12/92	0+44	4.5	0	M	L	--
TT-16-02	03/12/92	0+18	4.5	3.5	N	L	--
TT-17-01	03/12/92	0+15	4.5	38	N	N	--
TT-17-02	03/12/92	0+50	4.5	0	N	N	--
TT-18-01	03/17/92	0+27	4.0	200	M	S	--
TT-19-01	03/17/92	0+65	4.5	2,000	H	S	--
TT-19W-01	03/17/92	0+30	4.5	50	N	N	--
TT-19W-01A	03/20/92	1+47	2.0	130	H	S	--
TT-19W-02A	03/20/92	1+47	3.5	3,500	H	S	--
TT-19W-03A	03/20/92	1+49	3.0	500	H	S	--
TT-20-01	03/16/92	0+42	3.0	1	M	M	--
TT-21-01	03/16/92	0+10	4.5	0	N	N	--
TT-21-02	03/16/92	0+45	3.5	0	T	M	--
TT-22-01	03/12/92	0+60	3.5	0.5	N	N	--
TT-22N-01	03/12/92	0+60	3.5	7	N	N	--
TT-23-01	03/19/92	0+10	2.0	0	N	N	--
TT-23-02	03/19/92	0+10	5.0	800	H	S	--
TT-23-03	03/19/92	0+40	4.0	8,015	H	P	--

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
TT-00C-01	03/20/92	0+40	3.5	90	--	--	--
TT-00C-02	03/20/92	0+85	3.5	1	--	--	--
TT-24-01	10/07/93	0+12	4.5	1100	H	S	7.1
TT-24-02	10/07/93	0+25	0.5	60	H	S	6.8
TT-24-03	10/07/93	0+30	3.5	50	H	S	6.9
TT-25-01	10/06/93	0+30	1.0	0	T	L	9.1
TT-25-02	10/06/93	0+30	2.0	3	M	S	7.2
TT-25-03	10/06/93	0+30	3.0	57	N	L	3.8
TT-25-04	10/06/93	0+30	4.0	20	H	S	3.8
TT-25-05	10/06/93	0+45	5.0	10	H	S	5.0
TT-25-06	10/06/93	0+30	3.0	57	N	L	3.8
TT-26-01	10/08/93	0+30	2.5	1500	N	N	10.3
TT-26-02	10/08/93	0+38	4.5	300	M	S	7.6
TT-26-03	10/08/93	0+68	3.5	15	M	S	7.6
TT-28-01	10/06/93	0+20	5.0	10	H	S	7.4
TT-28-02	10/06/93	0+20	3.0	1	N	L	7.5
TT-28-03	10/06/93	0+20	1.0	0	N	L	7.8
TT-29-01	10/07/93	0+5	1.0	0	N	L	7.3
TT-29-02	10/07/93	0+16	4.0	175	H	S	6.8
TT-29-03	10/07/93	0+22	7.0	0	M	S	7.6
TT-30-01	10/07/93	0+20	1.5	2	N	L	8.0
TT-30-02	10/07/93	0+20	3.5	80	T	M	7.2
TT-30-03	10/07/93	0+22	5.0	85	H	S	7.1
BACKGROUND SOIL SAMPLES							
BS-01	03/05/92	--	2.0-4.0	0	N	N	--
BS-02	03/05/92	--	2.0-4.0	2	N	N	--
BS-03	03/05/92	--	2.0-4.0	2	N	N	--
BS-04	03/05/92	--	2.0-4.0	0	N	N	--
BS-05	03/25/92	--	2.0-4.0	1	N	N	--
BS-06	03/25/92	--	2.0-4.0	0	N	N	--
BS-07	03/25/92	--	2.0-4.0	75	N	N	--
BS-08	03/25/92	--	2.0-4.0	3	N	N	--
SURFICIAL SOIL SAMPLES							
SC-01	03/07/92	--	2.0-4.0	1.5	N	N	--
SC-02	03/07/92	--	2.0-4.0	0	N	N	--
SS-01	03/10/92		0-2.0	--	N	N	--
	03/10/92	----	2.0-4.0	4	T	N	--
SS-02	03/06/92	--	2.0-4.0	0.5	N	N	--

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SS-03	03/06/92	--	2.0-4.0	42	N	N	--
SS-04	03/06/92	--	2.0-4.0	8	N	N	--
SS-05	03/06/92	--	2.0-4.0	150	N	N	--
SS-06	03/11/92	--	0-2.0	--	--	N	--
	03/11/92	--	2.0-4.0	11	M	N	--
SS-07	03/10/92	--	2.0-4.0	0	T	L	--
SS-08	03/11/92	--	2.0-4.0	2	T	N	--
SS-09	03/11/92	--	2.0-4.0	0	N	N	--
SS-10	03/11/92	--	2.0-4.0	2	T	N	--
SS-11	03/11/92	--	2.0-4.0	0	N	N	--
SS-12	03/11/92	--	2.0-4.0	0	N	N	--
SS-13	03/12/92	--	2.0-4.0	6	N	N	--
SS-14	03/12/92	--	2.0-4.0	6	T	N	--
SS-15	03/07/92	--	2.0-4.0	0	N	N	--
SS-16	03/07/92	--	0-2.0	--	T	N	--
	03/07/92	--	2.0-4.0	0.5	N	N	--
SS-17	03/07/92	--	0-2.0	--	T	N	--
	03/07/92	--	2.0-4.0	1	N	N	--
GROUND SURFACE SOIL SAMPLES							
GS01	09/01/93	--	0-0.5	0	N	N	7.6
GS02	09/01/93	--	0-0.5	0	N	N	7.2
GS03	08/31/93	--	0-0.5	0	N	N	7.6
GS04	09/01/93	--	0-0.5	0	N	N	8.0
GS05	09/31/93	--	0-0.5	0	N	N	7.4
GS06	09/01/93	--	0-0.5	0	N	N	9.1
GS07	08/31/93	--	0-0.5	0.3	N	L	5.6
GS08	08/31/93	--	0-0.5	0	N	N	7.5
GS09	08/31/93	--	--	0	N	N	8.6
GS10	08/31/93	--	0-0.5	0	N	N	8.5
GS11	08/31/93	--	0-0.5	0	N	N	8.1
GS12	08/31/93	--	0-0.5	0.2	N	N	8.0
GS13	08/31/93	--	0-0.5	0	N	N	7.8
GS14	08/31/93	--	0-0.5	0	N	N	7.8
GS15	08/31/93	--	0-0.5	2.6	N	N	7.6
GS16	08/31/93	--	0-0.5	0	N	N	7.5
GS17	09/01/93	--	0-0.5	0	N	N	8.2

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
DESIGNATED SOIL STOCKPILE SOIL SAMPLES							
DS01	10/04/93	--	1.5	3	N	S	7.8
DS02	10/04/93	--	1.5	1	H	M	7.8
DS03	10/04/93	--	1.5	4	N	L	8.2
PILOT BORING SOIL SAMPLES							
SB-03[1]	03/16/92-	--	0-2.0	0[1]	N	N	--
	03/18/92	--	2.0-4.0	2.4[1]	N	N	--
		--	4.0-6.0	6.2[1]	N	N	--
		--	6.0-8.0	30[1]	N	N	--
		--	8.0-10.0	90[1]	N	N	--
		--	10.0-12.0	34[1]	N	N	--
		--	12.0-14.0	8[1]	N	N	--
		--	14.0-16.0	6[1]	N	N	--
		--	16.0-18.0	160[1]	N	L	--
		--	18.0-20.0	760[1]	N	M	--
		--	20.0-22.0	>1,000[1]	N	M	--
		--	22.0-24.0	>1,000[1]	N	M	--
		--	24.0-26.0	>1,000[1]	N	M	--
		--	26.0-28.0	>1,000[1]	N	L	--
		--	28.0-30.0	>1,000[1]	N	M	--
		--	30.0-32.0	28[1]	N	N	--
		--	32.0-34.0	62[1]	N	N	--
		--	34.0-36.0	5.7[1]	N	N	--
		--	39.0-41.0	0[1]	N	N	--
		--	44.0-46.0	>1,000[1]	N	N	--
		--	54.0-56.0	40[1]	N	N	--
		--	64.0-66.0	90[1]	N	N	--
		--	74.0-76.0	10[1]	N	N	--
		--	84.0-86.0	8[1]	N	N	--
		--	94.0-96.0	54[1]	N	N	--
		--	104.0-106.0	6[1]	N	N	--
MW-3D	03/18/92	--	26.0-28.0	160	N	L	--

[1]Headspace concentrations for SB-03 recorded under the nonmethane headspace column are total organic vapor headspace concentrations, including methane. At adjacent Pilot Boring MW-3D, the total headspace reading was 820, but the nonmethane headspace was only 160 ppm.

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-04	03/20/92	--	0-2.0	2	N	N	--
		--	2.5-4.5	2	N	N	--
		--	5.0-7.0	10	N	N	--
		--	7.5-9.5	0	N	N	--
		--	10.0-12.0	26	N	N	--
		--	12.5-14.5	75	N	N	--
		--	15.0-17.0	21	N	N	--
		--	17.5-19.5	24	N	N	--
		--	20.0-22.0	7	N	N	--
		--	22.5-24.5	250	N	N	--
		--	25.0-27.0	1,000	N	M	--
		--	27.5-29.5	500	N	M	--
		--	30.0-32.0	1,250	N	M	--
SB-05	03/23/92	--	0-5.0	0	N	N	--
		--	5.0-7.0	20	N	N	--
		--	7.5-9.5	5	N	N	--
		--	10.0-12.0	15	N	N	--
		--	12.5-14.5	9	N	N	--
		--	15.0-17.0	30	N	N	--
		--	17.5-19.5	12	N	N	--
		--	20.0-22.0	50	N	N	--
		--	22.5-24.5	80	N	N	--
		--	25.0-27.0	75	N	N	--
SB-06	03/24/92	--	2.5-4.5	0	N	N	--
		--	5.0-7.0	3	N	N	--
		--	7.5-9.5	4	N	N	--
		--	10.0-12.0	0	N	L	--
		--	12.5-14.5	50	N	L	--
		--	15.0-17.0	10	N	L	--
		--	17.5-19.5	75	N	L	--
		--	20.0-22.0	250	N	L	--
		--	22.5-24.5	150	N	M	--
		--	25.0-27.0	200	N	L	--

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB07	08/30/93	--	0-2.0	0	N	N	8.7
		--	2.0-4.0	0	N	N	8.2
		--	4.5-6.5	2	M	M	7.9
		--	7.0-9.0	5	N	N	8.0
		--	9.5-11.5	40	N	N	8.2
		--	12.0-14.0	20	N	M	8.7
		--	14.5-16.5	95	T	L	8.9
		--	17.0-19.0	70	N	L	8.3
		--	19.5-21.5	240	N	N	8.5
		--	22.0-24.0	125	T	L	8.4
		--	24.5-26.5	200	N	M	8.4
		--	27.0-29.0	250	N	S	8.3
		--	29.5-31.5	70	N	S	8.3
SB08	08/26/93	--	0-2.0	0	N	N	9.0
		--	2.0-4.0	0	N	N	8.5
		--	4.5-6.5	4	N	N	8.4
		--	7.0-9.0	1.5	N	N	8.4
		--	9.5-11.5	--	N	N	--
		--	12.0-14.0	6	N	N	8.3
		--	14.5-16.5	2	N	N	9.0
		--	17.0-19.0	58	N	N	8.9
		--	19.5-21.5	700	N	N	8.7
		--	22.0-24.0	1440	N	N	8.5
		--	24.5-26.5	1400	N	M	8.6
		--	27.0-29.0	1000	N	M	8.5
		--	29.5-31.5	100	N	M	8.7
SB-09	08/25/93	--	0-2.0	10	N	N	7.4
		--	2.0-4.0	1.5	N	N	8.1
		--	4.5-6.5	23	N	N	4.2
		--	7.0-9.0	26	N	N	6.1
		--	9.5-11.5	41	N	L	6.3
		--	12.0-14.0	33	N	L	6.5
		--	14.5-16.5	34	N	L	6.7
		--	17.0-19.0	50	N	L	6.5
		--	19.5-21.5	74	N	L	8.1
		--	22.0-24.0	45	N	L	8.3
		--	24.5-26.5	28	N	L	8.2
		--	27.0-29.0	33	N	M	8.2
		--	31.0-33.0	30	N	L	8.5

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-10	08/25/93	--	0-2.0	1.5	N	N	8.6
		--	2.0-4.0	0	N	N	8.2
		--	4.5-6.5	0	N	N	8.4
		--	7.0-9.0	0	N	N	8.2
		--	9.5-11.5	0	N	N	8.4
		--	12.0-14.0	25	N	N	8.6
		--	14.5-16.5	45	N	L	8.8
		--	17.0-19.0	32	N	L	8.3
		--	19.5-21.5	28	N	L	8.6
		--	22.0-24.0	30	N	L	8.6
		--	24.5-26.5	910	N	M	8.6
		--	27.0-29.0	390	T	M	8.5
		--	29.5-31.5	190	N	M	8.9
SB-11	09/01/93	--	0-2.0	1	N	N	7.4
		--	2.0-4.0	0	N	N	7.7
		--	4.5-6.5	10	N	N	7.7
		--	7.0-9.0	35	N	N	8.3
		--	9.5-11.5	30	N	N	8.2
		--	12.0-14.0	35	N	N	7.4
		--	14.5-16.5	30	N	N	8.2
		--	17.0-19.0	15	N	N	8.8
		--	19.5-21.5	9	N	N	8.9
		--	22.0-24.0	25	N	N	8.8
		--	24.5-26.5	8	N	N	8.0
		--	27.0-29.0	20	N	N	8.7
SB-12	09/02/93	--	0-2.0	0	N	N	8.2
		--	2.0-4.0	0	N	N	8.9
		--	4.5-6.5	0	N	N	8.4
		--	7.0-9.0	0	N	N	8.3
		--	9.5-11.5	0	N	N	8.4
		--	12.0-14.0	0.5	N	N	8.3
		--	14.5-16.5	3	N	L	8.9
		--	17.0-19.0	7	N	N	8.5
		--	19.5-21.5	0	N	N	7.7
		--	22.0-24.0	6	N	N	8.4
		--	24.5-26.5	0	N	N	8.3
		--	27.0-29.0	0	N	N	8.3
		--	29.5-31.5	13	N	N	8.1
		--	32.0-34.0	10	N	N	8.8

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-13	09/08/93	--	0-2.0	0	N	N	8.9
		--	2.0-4.0	0	N	N	8.3
		--	4.5-6.5	0	N	N	7.5
		--	7.0-9.0	0	N	N	7.5
		--	9.5-11.5	10	N	N	7.8
		--	12.0-14.0	3	N	N	8.1
		--	14.5-16.5	5	N	N	9.0
		--	17.0-19.0	40	N	N	9.0
		--	19.5-21.5	10	N	N	9.0
		--	22.0-24.0	20	N	N	8.8
		--	24.5-26.5	500	N	L	8.5
		--	27.0-29.0	275	N	S	8.3
		--	29.5-31.5	125	N	S	8.4
		--	32.0-34.0	225	N	S	8.2
SB-14	09/09/93	--	0-2.0	0	N	N	7.3
		--	2.0-4.0	20	N	L	8.0
		--	4.5-6.5	80	N	L	7.8
		--	7.0-9.0	5	N	L	7.8
		--	9.5-11.5	0	N	L	8.2
		--	12.0-14.0	40	N	L	8.7
		--	14.5-16.5	75	N	L	7.9
		--	17.0-19.0	140	N	L	8.4
		--	19.5-21.5	110	N	L	8.4
		--	22.0-24.0	10	N	L	8.4
		--	24.5-26.5	100	N	L	8.6
		--	27.0-29.0	100	N	L	8.2
		--	29.5-31.5	75	N	L	8.5
SB-15	08/31/93	--	0-2.0	0	N	N	8.0
		--	2.0-4.0	14	N	N	8.0
		--	4.5-6.5	30	N	N	8.4
		--	7.0-9.0	0	N	N	8.9
		--	9.5-11.5	10	N	N	8.4
		--	12.0-14.0	10	N	N	8.9
		--	14.5-16.5	200	N	N	8.7
		--	17.0-19.0	110	N	N	8.6
		--	19.5-21.5	150	N	N	8.4
		--	22.0-24.0	12	N	N	8.4
		--	24.5-26.5	65	N	N	8.7
		--	27.0-29.0	30	N	N	8.1

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-16	09/20/93	--	0-2.0	0	N	N	7.4
		--	2.0-4.0	0	T	N	8.2
		--	4.5-6.5	18	N	N	8.4
		--	7.0-9.0	100	T	L	8.5
		--	9.5-11.5	--	T	L	--
		--	12.0-14.0	40	T	L	7.0
		--	14.5-16.5	30	T	L	8.4
		--	17.0-19.0	5	N	L	8.5
		--	19.5-21.5	30	N	L	8.4
		--	22.0-24.0	80	N	L	8.2
		--	24.5-26.5	125	N	L	8.4
		--	27.0-29.0	1000	N	L	8.6
		--	29.5-31.5	350	N	N	7.8
SB-17	09/29/93	--	0-2.0	0	N	N	8.2
		--	2.0-4.0	--	--	--	--
		--	4.5-6.5	5	N	N	8.2
		--	7.0-9.0	35	N	N	7.7
		--	9.5-11.5	25	N	L	7.8
		--	12.0-14.0	20	T	L	7.9
		--	14.5-16.5	15	T	L	8.3
		--	17.0-19.0	10	N	L	9.0
		--	19.5-21.5	7	N	N	8.9
		--	22.0-24.0	20	N	L	9.0
		--	24.5-26.5	3000	T	L	7.8
		--	27.0-29.0	1500	T	L	7.7
		--	29.5-31.5	--	N	L	8.2
SB-18	09/30/93	--	0-2.0	1	N	N	6.9
		--	2.0-4.0	1	T	N	6.7
		--	4.5-6.5	50	T	L	6.5
		--	7.0-9.0	10	N	L	6.8
		--	9.5-11.5	25	T	L	6.9
		--	12.0-14.0	30	N	N	7.7
		--	14.5-16.5	600	N	N	8.5
		--	17.0-19.0	600	N	L	8.7
		--	19.5-21.5	500	N	N	8.0
		--	22.0-24.0	500	N	L	8.3
		--	24.5-26.5	250	N	L	8.4
		--	27.0-29.0	250	N	L	8.1
		--	29.5-31.5	--	N	L	--

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-19	09/30/93	--	0-2.0	0	N	N	7.2
		--	2.0-4.0	0	N	L	7.2
		--	4.5-6.5	4	N	L	7.3
		--	7.0-9.0	20	N	M	7.3
		--	9.5-11.5	65	N	M	7.0
		--	12.0-14.0	150	N	M	8.0
		--	14.5-16.5	15	N	M	7.0
		--	17.0-19.0	10	N	M	7.1
		--	19.5-21.5	8	N	M	7.1
		--	22.0-24.0	6	N	M	7.3
		--	24.5-26.5	30	T	M	6.9
		--	27.0-29.0	200	T	M	7.5
SB-20	10/04/93	--	0-2.0	2.5	T	N	7.0
		--	2.0-4.0	4	T	N	7.0
		--	4.5-6.5	120	N	M	6.9
		--	7.0-9.0	130	T	M	7.0
		--	9.5-11.5	40	T	L	7.1
		--	12.0-14.0	95	T	L	8.1
		--	14.5-16.5	200	N	L	8.4
		--	17.0-19.0	250	N	L	8.8
		--	19.5-21.5	2750	N	L	8.8
		--	22.0-24.0	1500	N	M	8.8
		--	24.5-26.5	400	N	S	8.8
		--	27.0-29.0	75	N	M	8.8
		--	29.5-31.5	5	N	N	--
SB-21	10/01/93	--	0-2.0	0	N	N	8.6
		--	2.0-4.0	0	N	N	8.7
		--	4.5-6.5	150	N	L	8.2
		--	7.0-9.0	300	N	L	8.2
		--	9.5-11.5	350	N	L	8.2
		--	12.0-14.0	350	N	L	8.4
		--	14.5-16.5	50	N	L	7.9
		--	17.0-19.0	40	N	L	7.8
		--	19.5-21.5	50	N	L	8.1
		--	22.0-24.0	40	N	L	8.4
		--	24.5-26.5	35	N	L	8.8
		--	27.0-29.0	75	N	L	8.7
		--	29.5-31.5	230	N	L	8.7

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-22	09/27/93	--	0-2.0	2	N	N	7.6
		--	2.0-4.0	3	N	N	7.8
		--	4.5-6.5	150	N	L	7.8
		--	7.0-9.0	300	T	L	8.2
		--	9.5-11.5	1500	T	L	8.1
		--	12.0-14.0	500	T	L	8.0
		--	14.5-16.5	1250	N	L	8.5
		--	17.0-19.0	2000	N	M	8.7
		--	19.5-21.5	--	--	--	--
		--	22.0-24.0	2250	N	M	9.0
		--	24.5-26.5	1000	N	S	9.0
		--	27.0-29.0	400	N	M	9.0
		--	29.5-31.5	600	N	M	--
SB-23	10/05/93	--	0-2.0	0	N	L	8.2
		--	2.0-4.0	0	T	L	7.7
		--	4.5-6.5	0	M	S	7.7
		--	7.0-9.0	0	T	L	7.8
		--	9.5-11.5	4.5	T	L	7.9
		--	12.0-14.0	30	N	L	7.5
		--	14.5-16.5	30	N	L	8.0
		--	17.0-19.0	5	N	L	8.0
		--	19.5-21.5	130	N	M	8.3
		--	22.0-24.0	45	N	S	8.5
		--	24.5-26.5	180	N	S	8.8
		--	27.0-29.0	310	N	S	8.8
		--	29.5-31.5	50	N	S	8.5

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-24	09/28/93	--	0-2.0	0	N	N	6.8
		--	2.0-4.0	3	N	L	7.1
		--	4.5-6.5	35	N	S	6.8
		--	7.0-9.0	30	N	S	7.0
		--	9.5-11.5	20	N	M	6.9
		--	12.0-14.0	20	N	S	8.2
		--	14.5-16.5	28	M	S	8.7
		--	17.0-19.0	25	N	S	8.7
		--	19.5-21.5	25	N	S	8.9
		--	22.0-24.0	30	N	S	9.2
		--	24.5-26.5	125	N	S	9.3
		--	27.0-29.0	150	N	S	9.3
		--	29.5-31.5	50	T	S	9.3
		--	32.0-34.0	--	N	N	--
SB-25	09/28/93	--	0-2.0	3	N	N	6.4
		--	2.0-4.0	2	N	N	6.4
		--	4.5-6.5	7	N	N	6.2
		--	7.0-9.0	7	N	N	6.3
		--	9.5-11.5	5	N	N	6.4
		--	12.0-14.0	8	N	N	6.5
		--	14.5-16.5	7	M	L	6.6
		--	17.0-19.0	8	T	L	8.3
		--	19.5-21.5	30	N	L	8.6
		--	22.0-24.0	190	N	M	8.6
		--	24.5-26.5	250	N	M	8.7
		--	27.0-29.0	250	N	L	8.7
		--	29.5-31.5	40	N	N	8.5

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-26	09/28/93	--	0-2.0	2	N	N	7.1
		--	2.0-4.0	2	N	N	7.0
		--	4.5-6.5	6	N	N	6.9
		--	7.0-9.0	--	N	N	6.9
		--	9.5-11.5	4	N	M	6.8
		--	12.0-14.0	4	N	M	7.4
		--	14.5-16.5	4.5	N	M	8.6
		--	17.0-19.0	5	N	M	8.6
		--	19.5-21.5	19	N	M	8.8
		--	22.0-24.0	30	N	S	8.9
		--	24.5-26.5	70	N	S	8.7
		--	27.0-29.0	40	N	S	8.8
		--	29.5-31.5	40	N	N	8.6
SB-27	08/24/93	--	0-2.0	0	N	N	9.0
			2.0-4.0	0	N	N	8.8
			4.5-6.5	24	H	M	8.5
			7.0-9.0	154	H	S	--
			9.5-11.5	104	H	M	--
			12.0-14.0	105	H	M	--
			14.5-16.5	66	T	L	9.2
			17.0-19.0	76	H	M	--
			19.5-21.5	400	H	M	--
			22.0-24.0	320	H	M	--
			24.5-26.5	132	H	M	--
			27.0-29.0	272	M	L	--
			29.5-31.5	50	N	L	8.9
SB-28	09/29/93	--	0-2.0	0	T	N	8.3
			2.0-4.0	2	T	N	7.9
			4.5-6.5	52	H	S	7.6
			7.0-9.0	20	H	M	7.4
			9.5-11.5	65	H	M	7.1
			12.0-14.0	15	T	M	7.0
			14.5-16.5	25	M	M	8.9
			17.0-19.0	20	T	M	9.0
			19.5-21.5	16	T	L	9.0
			22.0-24.0	25	N	L	9.0
			24.5-26.5	1150	T	M	8.9
			27.0-29.0	1400	M	M	9.0

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-29	09/30/93	--	0-2.0	0	N	N	7.9
		--	2.0-4.0	0	T	N	7.7
		--	4.5-6.5	0	N	N	7.5
		--	7.0-9.0	1.5	N	N	7.6
		--	9.5-11.5	4	N	N	7.6
		--	12.0-14.0	3	N	N	7.7
		--	14.5-16.5	0	N	L	7.3
		--	17.0-19.0	400	N	L	8.7
		--	19.5-21.5	550	N	L	8.9
		--	22.0-24.0	600	N	M	8.9
		--	24.5-26.5	200	N	L	8.5
SB-30	10/05/93	--	0-2.0	0	N	N	9.0
		--	2.0-4.0	0	N	N	8.7
		--	4.5-6.5	0	N	N	8.2
		--	7.0-9.0	0	N	N	8.6
		--	9.5-11.5	0	N	N	7.8
		--	12.0-14.0	0	N	N	7.9
		--	14.5-16.5	0	N	N	8.1
		--	17.0-19.0	0	N	N	8.0
		--	19.5-21.5	0	N	N	7.9
		--	22.0-24.0	0	T	N	7.8
		--	24.5-26.5	3	N	N	7.8
		--	27.0-29.0	5	N	N	8.0
		--	29.5-31.5	3	N	N	8.0
		--	32.0-34.0	50	T	L	8.2
		--	34.5-36.5	40	T	M	8.1
		--	37.0-39.0	70	T	S	8.6
		--	39.5-41.5	110	T	S	8.5
		--	42.0-44.0	35	T	S	8.6

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-31	10/05/93	--	0-2.0	0	N	N	8.3
		--	2.0-4.0	0	N	N	8.4
		--	4.5-6.5	0	N	N	8.4
		--	7.0-9.0	0	N	N	8.2
		--	9.5-11.5	10	N	N	7.6
		--	12.0-14.0	0	N	N	8.3
		--	14.5-16.5	0	N	N	8.2
		--	17.0-19.0	0	N	N	8.2
		--	19.5-21.5	0	N	N	7.4
		--	22.0-24.0	0	N	N	6.9
		--	24.5-26.5	0	N	N	7.0
		--	27.0-29.0	1	N	N	7.2
		--	29.5-31.5	4	N	N	7.1
		--	32.0-34.0	14	N	N	7.1
		--	34.5-36.5	28	N	N	7.1
		--	37.0-39.0	300	N	N	7.4
		--	39.5-41.5	300	N	L	7.6
		--	42.0-44.0	800	N	S	8.3
		--	44.5-46.5	350	T	M	8.2
		--	46.5-48.5	200	T	S	8.1
		--	49.5-51.5	20	N	N	8.2
SB-32	09/13/93	--	0-2.0	0	N	N	7.0
		--	2.0-4.0	0	T	N	7.0
		--	4.5-6.5	4	N	N	7.0
		--	7.0-9.0	0	N	N	6.5
		--	9.5-11.5	25	N	N	6.5
		--	12.0-14.0	15	N	N	6.5
		--	14.5-16.5	35	N	L	7.0
		--	17.0-19.0	15	T	M	6.5
		--	19.5-21.5	28	T	M	6.5
		--	22.0-24.0	27	T	S	7.0
		--	24.5-26.5	23	T	S	7.0
		--	27.0-29.0	30	N	M	7.0
		--	29.5-31.5	17	N	S	7.0
		--	32.0-34.0	40	N	M	7.5
		--	34.5-36.5	25	N	L	7.0
		--	37.0-39.0	80	T	M	8.7
		--	39.5-41.5	50	T	M	8.6

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-33	09/15/93	--	0-2.0	0	T	N	7.8
		--	2.0-4.0	0	N	L	8.5
		--	4.5-6.5	160	H	S	7.4
		--	7.0-9.0	120	H	S	7.5
		--	9.5-11.5	160	H	S	7.0
		--	12.0-14.0	150	H	S	6.7
		--	14.5-16.5	110	H	S	6.8
		--	17.0-19.0	50	M	S	7.6
		--	19.5-21.5	75	T	S	8.2
		--	22.0-24.0	115	M	M	8.5
		--	24.5-26.5	50	T	M	8.6
		--	27.0-29.0	44	T	M	8.5
		--	29.5-31.5	21	T	M	8.6
SB-34	10/06/93	--	0-2.0	0	T	M	8.0
		--	2.0-4.0	10.5	M	M	7.4
		--	4.5-6.5	593	H	M	7.6
		--	7.0-9.0	315	H	M	7.3
		--	9.5-11.5	315	H	M	7.6
		--	12.0-14.0	215	H	M	6.9
		--	14.5-16.5	38	H	M	7.2
		--	17.0-19.0	90	H	M	7.0
		--	19.5-21.5	118	H	M	7.4
		--	22.0-24.0	79	N	L	7.6
		--	24.5-26.5	35	N	L	7.5
		--	27.0-29.0	37	T	L	8.2
		--	29.5-31.5	18	N	L	8.4
		--	32.0-34.0	15	N	L	8.4

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-35	09/01/93	--	0-2.0	0	T	L	8.8
		--	2.0-4.0	0.2	T	N	9.2
		--	4.5-6.5	1	T	L	7.9
		--	7.0-9.0	10	M	N	8.3
		--	9.5-11.5	4	N	N	8.5
		--	12.0-14.0	3.5	T	N	8.4
		--	14.5-16.5	8	N	N	8.6
		--	17.0-19.0	10	N	L	9.2
		--	19.5-21.5	20	N	M	9.3
		--	22.0-24.0	16	N	M	9.2
		--	24.5-26.5	40	N	L	9.1
		--	27.0-29.0	50	N	M	9.0
		--	29.5-31.5	25	N	S	9.0
SB-36	09/21/93	--	0-2.0	2	N	N	8.8
		--	2.0-4.0	2.5	T	N	8.6
		--	4.5-6.5	0	T	L	7.8
		--	7.0-9.0	0.5	T	N	8.3
		--	9.5-11.5	2	N	N	7.8
		--	12.0-14.0	6	T	N	8.1
		--	14.5-16.5	10	T	N	8.1
		--	17.0-19.0	5	N	N	8.8
		--	19.5-21.5	15	N	N	8.9
		--	22.0-24.0	20	N	N	8.5
		--	24.5-26.5	50	T	M	9.2
		--	27.0-29.0	55	T	M	9.2
		--	29.5-31.5	30	N	S	9.0

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-37	09/21/93	--	0-2.0	0	N	N	8.3
		--	2.0-4.0	0	N	N	8.8
		--	4.5-6.5	0	N	N	8.2
		--	7.0-9.0	0	N	N	8.3
		--	9.5-11.5	1	N	N	8.8
		--	12.0-14.0	3	N	N	9.2
		--	14.5-16.5	5	N	N	8.9
		--	17.0-19.0	6	N	L	9.2
		--	19.5-21.5	7	N	N	9.4
		--	22.0-24.0	20	N	L	9.3
		--	24.5-26.5	8	N	L	9.3
		--	27.0-29.0	20	N	M	9.1
		--	29.0-31.0	65	N	M	9.0
		--	32.0-34.0	80	N	S	9.0
SB-38	09/23/93	--	0-2.0	2.5	T	N	8.2
		--	2.0-4.0	0	T	N	8.9
		--	4.5-6.5	0	N	N	8.6
		--	7.0-9.0	3	N	N	8.6
		--	9.5-11.5	3	N	N	8.6
		--	12.0-14.0	0	N	L	8.9
		--	14.5-16.5	0.5	N	L	9.1
		--	17.0-19.0	1.5	N	N	9.0
		--	19.5-21.5	2	N	N	9.1
		--	22.0-24.0	4	N	L	9.3
		--	24.5-26.5	7	N	L	9.1
		--	27.0-29.0	7	N	L	8.6
		--	29.5-31.5	15	N	L	7.7
		--	32.0-34.0	20	N	N	8.3

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-39	09/17/93	--	0-2.0	0	N	N	8.2
		--	2.0-4.0	0	N	N	9.1
		--	4.5-6.5	20	H	S	8.2
		--	7.0-9.0	400	M	M	8.0
		--	9.5-11.5	90	T	S	7.6
		--	12.0-14.0	100	T	M	8.0
		--	14.5-16.5	170	N	S	9.1
		--	17.0-19.0	150	T	S	9.0
		--	19.5-21.5	150	T	S	9.3
		--	22.0-24.0	144	T	S	8.9
		--	24.5-26.5	125	T	S	9.1
		--	27.0-29.0	125	T	S	9.2
		--	29.5-31.5	70	T	S	9.3
SB-40	10/07/93	--	0-2.0	10	N	M	7.4
		--	2.0-4.0	25	T	M	7.5
		--	4.5-6.5	25	T	M	8.5
		--	7.0-9.0	110	H	M	9.5
		--	9.5-11.5	525	H	M	8.2
		--	12.0-14.0	850	T	M	8.1
		--	14.5-16.5	725	T	M	8.4
		--	17.0-19.0	220	T	L	8.2
		--	19.5-21.5	135	T	L	8.6
		--	22.0-24.0	120	T	M	8.8
		--	24.5-26.5	140	N	S	9.0
SB-41	09/16/93	--	0-2.0	0	T	N	7.4
		--	2.0-4.0	0	T	N	7.4
		--	4.5-6.5	0	T	L	7.4
		--	7.0-9.0	16	M	S	8.5
		--	9.5-11.5	380	N	S	8.0
		--	12.0-14.0	150	T	S	8.3
		--	14.5-16.5	0	T	M	8.4
		--	17.0-19.0	140	T	S	9.2
		--	19.5-21.5	250	T	M	9.2
		--	22.0-24.0	140	N	M	9.1
		--	24.5-26.5	34	T	S	9.2
		--	27.0-29.0	50	H	S	8.7
		--	29.5-31.5	--	H	S	--

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-42	09/23/93	--	0-2.0	0	T	N	8.7
		--	2.0-4.0	0	T	N	10.3
		--	4.5-6.5	1.5	T	L	8.6
		--	7.0-9.0	0	N	L	9.5
		--	9.5-11.5	3	N	L	9.3
		--	12.0-14.0	50	T	L	8.3
		--	14.5-16.5	20	T	L	8.6
		--	17.0-19.0	7	T	L	9.1
		--	19.5-21.5	7	T	L	9.3
		--	22.0-24.0	4	T	L	9.8
		--	24.5-26.5	35	T	M	8.5
		--	27.0-29.0	100	N	M	8.5
		--	29.0-31.0	--	N	M	--
SB-43	09/15/93	--	0-2.0	0	N	N	8.2
		--	2.0-4.0	0	N	N	8.5
		--	4.5-6.5	1	N	N	8.9
		--	7.0-9.0	1	N	L	8.4
		--	9.5-11.5	3	N	M	8.6
		--	12.0-14.0	1	N	M	9.1
		--	14.5-16.5	2	N	L	9.2
		--	17.0-19.0	3	T	L	9.3
		--	19.5-21.5	90	N	L	9.0
		--	22.0-24.0	>1000	N	M	8.3
		--	24.5-26.5	130	N	M	8.3
		--	27.0-29.0	60	N	L	8.9
		--	29.5-31.5	50	N	N	9.2

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-44	09/20/93	--	0-2.0	0	T	N	7.3
		--	2.0-4.0	2	T	L	6.8
		--	4.5-6.5	2	T	L	6.8
		--	7.0-9.0	1	N	L	6.8
		--	9.5-11.5	25	T	L	7.0
		--	12.0-14.0	75	N	L	7.1
		--	14.5-16.5	150	N	L	8.3
		--	17.0-19.0	200	N	L	9.0
		--	19.5-21.5	400	N	L	9.0
		--	22.0-24.0	950	T	M	9.0
		--	24.5-26.5	300	T	M	9.0
		--	27.0-29.0	150	N	M	9.1
		--	29.5-31.5	5	N	N	9.5
		--	32.0-34.0	--	--	--	--
		--	34.5-36.5	0	N	N	9.7
SB-45	09/27/93	--	0-2.0	0	N	N	6.1
		--	2.0-4.0	--	--	L	--
		--	4.5-6.5	25	H	M	6.0
		--	7.0-9.0	25	T	M	7.7
		--	9.5-11.5	1000	N	L	7.4
		--	12.0-14.0	1100	N	L	7.9
		--	14.5-16.5	1250	N	M	8.8
		--	17.0-19.0	1150	M	--	8.7
		--	19.5-21.5	700	N	M	8.8
		--	22.0-24.0	450	N	M	8.9
		--	24.5-26.5	275	N	S	8.9
		--	27.0-29.0	350	H	M	8.9
		--	29.5-31.5	40	N	M	9.0

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-46	10/02/93	--	0-2.0	0.5	N	N	8.7
		--	2.0-4.0	--	--	--	--
		--	4.5-6.5	17	L	M	8.4
		--	7.0-9.0	--	--	--	--
		--	9.5-11.5	160	L	M	8.2
		--	12.0-14.0	490	N	L	8.3
		--	14.5-16.5	1000	T	L	8.2
		--	17.0-19.0	640	N	L	8.5
		--	19.5-21.5	960	N	L	8.6
		--	22.0-24.0	890	T	M	8.6
		--	24.5-26.5	500	T	M	8.9
		--	27.0-29.0	510	N	S	9.0
		--	29.5-31.5	--	N	S	8.9
SB-47	10/06/93	--	0-2.0	0	N	N	9.0
		--	2.0-4.0	0	T	L	8.9
		--	4.5-6.5	8	N	N	8.2
		--	7.0-9.0	15	N	N	8.0
		--	9.5-11.5	25	N	L	8.1
		--	12.0-14.0	150	N	L	8.4
		--	14.5-16.5	5500	T	M	8.4
		--	17.0-19.0	3500	T	M	8.4
		--	19.5-21.5	2500	N	S	8.7
		--	22.0-24.0	100	T	S	8.9
		--	24.5-26.5	500	N	S	9.1
		--	27.0-29.0	700	T	S	8.9
		--	29.5-31.5	600	N	V	9.2
		--	32.0-34.0	300	T	V	9.0

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-48	09/22/93	--	0-2.0	0	N	N	9.0
		--	2.0-4.0	0	N	N	9.4
		--	4.5-6.5	2	T	N	7.3
		--	7.0-9.0	0	N	N	7.4
		--	9.5-11.5	7	N	N	8.0
		--	12.0-14.0	10	N	N	8.8
		--	14.5-16.5	20	N	L	9.2
		--	17.0-19.0	25	N	L	9.4
		--	19.5-21.5	75	N	L	9.1
		--	22.0-24.0	600	N	S	8.8
		--	24.5-26.5	850	T	S	9.4
		--	27.0-29.0	625	T	S	9.3
		--	29.5-31.5	425	T	S	9.2
		--	32.0-34.0	30	N	N	9.1
		--	34.5-36.5	10	N	N	9.0
		--	37.0-39.0	40	N	N	9.3
SB-49	10/05/93	--	0-2.0	0	N	N	8.5
		--	2.0-4.0	0	N	N	8.1
		--	4.5-6.5	0	N	N	7.9
		--	7.0-9.0	0	N	N	7.8
		--	9.5-11.5	0.5	N	N	7.9
		--	12.0-14.0	3.5	N	N	7.6
		--	14.5-16.5	750	N	N	8.1
		--	17.0-19.0	580	N	N	8.1
		--	19.5-21.5	1500	N	N	8.1
		--	22.0-24.0	2090	N	M	8.9
		--	24.5-26.5	350	N	S	9.0
		--	27.0-29.0	850	N	S	8.9
		--	29.5-31.5	10	N	L	8.6

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-50	10/05/93	--	0-2.0	4	N	N	8.3
		--	2.0-4.0	--	H	S	8.4
		--	4.5-6.5	185	H	S	8.1
		--	7.0-9.0	--	T	S	7.6
		--	9.5-11.5	35	T	M	7.6
		--	12.0-14.0	20	N	L	7.8
		--	14.5-16.5	10	N	L	7.9
		--	17.0-19.0	20	N	L	8.3
		--	19.5-21.5	300	N	L	8.2
		--	22.0-24.0	1300	N	L	8.8
		--	24.5-26.5	500	N	L	9.0
		--	27.0-29.0	350	N	L	8.8
		--	29.5-31.5	--	N	N	--
SB-51	09/16/93	--	0-2.0	0	N	N	9.1
		--	2.0-4.0	0	N	N	8.6
		--	4.5-6.5	2	N	N	8.4
		--	7.0-9.0	0	N	N	8.9
		--	9.5-11.5	10	N	L	8.9
		--	12.0-14.0	20	N	L	8.9
		--	14.5-16.5	60	N	L	9.0
		--	17.0-19.0	90	N	L	8.6
		--	19.5-21.5	150	N	L	9.1
		--	22.0-24.0	150	N	L	8.4
		--	24.5-26.5	0	N	L	8.4
		--	27.0-29.0	3000	N	M	8.6
SB-52	09/15/93	--	0-2.0	0	N	N	7.8
		--	2.0-4.0	40	N	N	7.1
		--	4.5-6.5	2.5	N	N	7.6
		--	7.0-9.0	0	N	N	7.8
		--	9.5-11.5	1	N	N	7.8
		--	12.0-14.0	0	N	L	8.3
		--	14.5-16.5	4	N	L	8.3
		--	17.0-19.0	8	N	L	8.5
		--	19.5-21.5	2	N	L	8.5
		--	22.0-24.0	0	N	L	8.3
		--	24.5-26.5	2	N	L	8.4
		--	27.0-29.0	3	N	L	8.6
		--	29.5-31.5	0	N	M	8.5
		--	32.0-34.0	10	N	M	8.3

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-53	09/16/93	--	0-2.0	0	N	N	8.4
		--	2.0-4.0	0	N	N	7.6
		--	4.5-6.5	1	N	N	7.7
		--	7.0-9.0	0	N	N	7.5
		--	9.5-11.5	2	N	L	7.6
		--	12.0-14.0	0	N	L	8.2
		--	14.5-16.5	2	N	N	8.1
		--	17.0-19.0	0	N	L	8.4
		--	19.5-21.5	5	N	L	8.8
		--	22.0-24.0	7	N	L	8.6
		--	24.5-26.5	0	N	L	8.9
		--	27.0-29.0	7	N	L	9.2
SB-54		--	4.5-6.5	7	N	N	7.9
		--	7.0-9.0	55	L	T	7.1
SB-55	10/07/93	--	2.0-4.0	17	H	S	7.9
SB-56	10/07/93	--	24.5-26.5	85	T	S	8.6
		--	27.0-29.0	65	T	S	8.6
		--	29.0-30.5	25	N	N	8.5
SB-57	10/07/93	--	22.0-24.0	7	N	N	8.3
SB-59	11/01/93	--	0-2.0	--	N	N	--
		--	2.0-4.0	5	N	N	8.3
		--	4.5-6.5	110	N	L	8.5
		--	7.0-9.0	35	N	L	8.5
		--	9.5-11.5	40	N	M	8.5
		--	12.0-14.0	325	N	M	7.9
		--	14.5-16.5	250	N	S	8.2
		--	17.0-19.0	300	N	S	8.9
		--	19.5-21.5	1100	N	M	8.3
		--	22.0-24.0	1400	N	S	8.5
		--	24.5-26.5	1000	N	S	8.3
		--	27.0-29.0	100	N	S	8.9
		--	29.5-31.5	125	N	S	8.8

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
SB-60	11/02/93	--	0-2.0	0	N	N	8.1
		--	2.0-4.0	--	N	N	8.1
		--	4.5-6.5	175	N	L	7.8
		--	7.0-9.0	220	M	L	7.8
		--	9.5-11.5	40	T-H	L	7.6
		--	12.0-14.0	9	T-H	M	7.6
		--	14.5-16.5	125	N	M	7.6
		--	17.0-19.0	20	N-M	L	8.5
		--	19.5-21.5	20	N-M	L	8.8
		--	22.0-24.0	20	N	L	8.9
		--	24.5-26.5	50	N	M	8.8
		--	27.0-29.0	5	N	S	8.8
SHALLOW MONITORING WELL SOIL SAMPLES							
MW-07S	09/01/93	--	0-2.0	8	N	N	8.1
		--	2.0-4.0	7	N	N	7.7
		--	4.5-6.5	30	T	L	7.6
		--	7.0-9.0	10	N	L	6.8
		--	9.5-11.5	50	T	L	8.0
MW-08S	08/30/93	--	0-2.0	0	N	N	7.7
		--	2.0-4.0	0	N	N	7.7
		--	4.5-6.5	0.5	N	N	8.0
		--	7.0-9.0	1	N	N	7.8
		--	9.5-11.5	4	N	L	8.0
		--	12.0-14.0	6	N	L	8.1
MW-09S	08/27/93	--	0-2.0	5	N	N	6.9
		--	2.0-4.0	2	N	N	4.0
		--	4.5-6.5	17	N	N	3.2
		--	7.0-9.0	14	N	N	5.1
		--	9.5-11.5	15	N	L	5.8
		--	12.0-14.0	20	N	L	6.5
MW-10S	08/26/93	--	0-2.0	1	N	N	8.0
		--	2.0-4.0	2.5	N	N	8.0
		--	4.5-6.5	0.5	N	N	8.5
		--	7.0-9.0	2.5	N	N	8.5
		--	9.5-11.5	4.0	N	N	7.5
		--	12.0-14.0	7.0	N	N	8.0

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
MW-11S	09/02/93	--	0-2.0	0	N	N	7.4
		--	2.0-4.0	8	N	N	8.0
		--	4.5-6.5	5	N	N	8.0
		--	7.0-9.0	25	N	N	7.9
		--	9.5-11.5	25	N	N	7.3
		--	12.0-14.0	25	N	N	7.4
MW-12S	09/07/93	--	0-2.0	0	N	N	9.4
		--	2.0-4.0	4	N	N	8.1
		--	4.5-6.5	0.5	N	N	8.6
		--	7.0-9.0	0	N	N	8.7
		--	9.5-11.5	0.5	N	N	8.9
		--	12.0-14.0	0	N	N	8.7
MW-13S	09/13/93	--	0-2.0	0	N	N	11.0
		--	2.0-4.0	1	N	N	11.1
		--	4.5-6.5	1	N	N	11.1
		--	7.0-9.0	2	N	N	--
		--	9.5-11.5	5	N	N	--
		--	12.0-14.0	3	N	N	--
MW-14S	09/13/93	--	0-2.0	0	N	N	10.7
		--	2.0-4.0	60	N	N	10.8
		--	4.5-6.5	10	N	L	10.6
		--	7.0-9.0	13	N	L	10.8
		--	9.5-11.5	10	N	L	10.9
MW-15S	09/01/93	--	0-2.0	0	N	N	9.0
		--	2.0-4.0	3	N	N	7.9
		--	4.5-6.5	1	N	N	8.1
		--	7.0-9.0	2	N	L	8.1
		--	9.5-11.5	0	N	L	8.7
		--	12.0-14.0	4	N	L	8.6

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
PIEZOMETER SOIL SAMPLES							
P-101	03/09/92	--	4.0-5.0	--	N		N
		--	10.0-12.0	--	N		N
P-102	03/12/92	--	0-2.0	--	N		N
		--	4.0-5.0	--	N		N
		--	11.5-12.5	--	T		L
P-103	03/12/92-03/13/92	--	0-1.0	--	N		N
		--	4.0-5.0	--	N		N
		--	7.0-8.0	--	N		N
		--	12.0-13.0	--	N		N
P-104	03/12/92	--	0-2.5	--	T		N
		--	2.5-5.0	--	M		L
		--	7.0-8.0	--	T		L
		--	12.0-13.0	--	T		N
P-105	09/14/93	--	0-2.0	20	N	N	7.8
		--	2.0-4.0	30	N	N	7.8
		--	4.5-6.5	2	N	N	9.0
		--	7.0-9.0	5	N	N	8.9
		--	9.5-11.5	3	N	N	8.9
P-106	10/04/93	--	0-2.0	0	N	N	7.2
		--	2.0-4.0	0	N	N	6.9
		--	4.5-6.5	0	N	N	7.1
		--	7.0-9.0	1.3	N	N	8.4
		--	9.5-11.5	1.2	N	N	8.8
		--	12.0-14.0	57	N	N	8.3
		--	14.5-16.5	450	N	N	8.1
		--	17.0-19.0	35	N	L	8.3
		--	19.5-21.5	37	T	M	9.2
		--	22.0-24.0	50	T	M	9.0
		--	24.5-26.5	75	N	M	9.0
		--	27.0-29.0	25	T	S	8.8
		--	29.5-31.5	25	N	N	8.7
P107	09/03/93	--	0-4.0	0	N	N	8.7
			4.5-6.5	5	N	M	7.1
			7.0-9.0	25	N	M	7.9
			9.5-11.5	150	N	M	8.5
			12.0-14.0	400	N	S	8.7

TABLE 4.1-1 (Cont.)

FIELD SCREENING RESULTS

SAMPLE NO.	SAMPLE DATE	STATION	DEPTH (FT)	NONMETHANE HEADSPACE (PPM)	OIL SHEEN	ODOR	pH
P-108	10/06/93	--	0-2.0	0.3	N	N	9.5
		--	2.0-4.0	0.5	N	N	9.6
		--	4.5-6.5	0.8	N	N	9.0
		--	7.0-9.0	2	N	N	8.8
		--	9.5-11.5	1550	N	L	8.3
		--	12.0-14.0	230	T	L	7.8
		--	14.5-16.5	340	T	L	8.0
		--	17.0-19.0	40	T	M	8.7
		--	19.5-21.5	52	N	M	8.8
		--	22.0-24.0	58	N	M	8.7
		--	24.5-26.5	75	N	M	8.7
		--	27.0-29.0	38	N	M	8.4
		--	29.5-31.5	58	N	S	8.4
PUMPING WELL SOIL SAMPLES							
PW01	08/30/93	--	0-2.0	1	N	N	8.3
			2.0-4.0	0.6	N	N	8.9
			4.5-6.5	2.2	N	N	9.4
			7.0-9.0	4.5	N	L	11.0
			9.5-11.5	9	T	L	9.4
			12.0-14.0	0	N	L	7.9
			14.5-16.5	180	N	L	7.8
			17.0-19.0	106	N	L	7.9
			19.5-21.5	76	T	M	8.3
			22.0-24.0	80	T	M	8.9
			24.5-26.5	40	T	M	9.1
			27.0-29.0	130	T	S	8.4
			29.5-31.5	15	T	M	8.0

Oil Sheen Test Results
N = None
T = Trace
M = Moderate
H = Heavy
-- = Not Tested

Odor Test Results
N = None
L = Low Coal Tar Odor
M = Moderate Coal Tar Odor
S = Strong Coal Tar Odor
V = Very Strong Coal Tar Odor
D = Diesel Odor
P = Petroleum Odor
U = Sulfur
-- = Not Tested

TABLE 4.1-2

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
BACKGROUND SOIL SAMPLES													
BS-01	03/05/92	2.0-4.0	X		X		X					X	
BS-02	03/05/92	2.0-4.0	X		X		X					X	
BS-03	03/05/92	2.0-4.0	X		X		X					X	
BS-04	03/05/92	2.0-4.0	X		X		X					X	
BS-05	03/05/92	2.0-4.0	X		X		X					X	
BS-06	03/25/92	2.0-4.0	X(D)		X(D)		X(D)					X(D)	
BS-07	03/25/92	2.0-4.0	X		X		X					X	
BS-08	03/25/92	2.0-4.0	X		X		X					X	
SURFICIAL SOIL SAMPLES													
SC-01	03/07/92	2.0-4.0	X		X		X					X	
SC-02	03/07/92	2.0-4.0	X		X		X					X	
SS-01	03/10/10	2.0-4.0	X		X		X					X	
SS-02	03/06/92	2.0-4.0	X(D)		X(D)		X(D)					X(D)	
SS-03	03/06/92	2.0-4.0	X		X		X					X	
SS-04	03/06/92	2.0-4.0	X		X		X					X	
SS-05	03/06/92	2.0-4.0	X		X		X					X	
SS-06	03/11/92	2.0-4.0	X		X		X					X	
SS-07	03/10/92	2.0-4.0	X		X		X					X	

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

GHV = Gross Heat Value
F = Flashpoint
O/G = Oil and grease
TOC = Total organic carbon
CEC = Cation exchange capacity
Fe = Iron

(A) = Arsenic and cyanide only
(D) = Duplicate sample
* = Analyses on duplicate sample only

GS = Grain size distribution
P = Porosity
AL = Atterberg limits
VP = Vertical permeability
TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SS-08	03/11/92	2.0-4.0	X		X		X			X		X	
SS-09	03/11/92	2.0-4.0	X		X		X			X		X	
SS-10	03/11/92	2.0-4.0	X		X		X			X		X	
SS-11	03/11/92	2.0-4.0	X		X		X			X		X	
SS-12	03/11/92	2.0-4.0	X		X		X			X		X	
SS-13	03/12/92	2.0-4.0	X		X		X			X		X	
SS-14	03/12/92	2.0-4.0	X		X		X			X		X	
SS-15	03/12/92	2.0-4.0	X		X		X			X		X	
SS-16	03/07/92	2.0-4.0	X		X		X			X		X	
SS-17	03/07/92	2.0-4.0	X		X		X			X		X	
TEST TRENCH SOIL SAMPLES													
TT-01-02	03/06/92	4.0			X			X(D)	X(D)				
TT-02-04	03/05/92	2.5			X								
TT-02-06	03/05/92	2.5						X	X				
TT-02-09	03/05/92	1.0						X	X				
TT-03-01	03/10/92	4.0	X(A)		X			X					
TT-03-02	03/10/92	4.0			X			X	X				
TT-03-03	03/11/92	4.0			X			X					
TT-03W-01	03/13/92	4.0	X(A)		X			X	X				

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TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
TT-03W-02	03/13/92	3.5	X		X		X					X	
TT-04-03	03/05/92	6.0						X	X				
TT-05E-01	03/10/92	5.0			X			X					
TT-06-02	03/09/92	4.5	X		X		X					X	
TT-06-04	03/09/92	2.5	X		X		X					X	TCLP (D)
TT-07-01	03/19/92	4.5	X										
TT-07-03	03/19/92	4.5			X			X	X				
TT-08-02	03/21/92	4.0			X			X	X				
TT-08A-01	03/21/92	5.0	X(A)		X								
TT-09-02	03/11/92	6.0			X			X					
TT-10-01	03/21/92	7.0	X(A,D)		X			X(D)	X(D)				
TT-12-01	03/18/92	4.0			X			X	X				
TT-13-01	03/16/92	4.5			X			X					
TT-14-02	03/18/92	4.0	X		X		X					X	
TT-15-01	03/17/92	5.5			X(D)			X					
TT-16-02	03/12/92	4.5			X			X					
TT-17-01	03/12/92	4.5			X			X	X				
TT-19-01	03/17/92	4.5			X			X					
TT-21-01	03/16/92	4.5			X			X					

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

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(A) = Arsenic and cyanide only
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P = Porosity
AL = Atterberg limits
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TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
TT-22-01	03/12/92	3.5			X(D)								
TT-23-03	03/19/92	4.0			X								
TT-24-01	10/07/93	4.5											TCLP
TT-24-02	10/07/93	0.5											GHV, F, O/G, TCLP
TT-25-02	10/06/93	2.0		X(D)		X(D)				X(D)	X(D)		Corrosivity/ Reactivity (D), O/G (D)*
TT-25-03	10/03/93	3.0	X		X		X					X	
TT-25-04	10/06/93	4.0											TCLP, GHV, F, O/G
TT-25-06	10/06/93	3.0											Pond waste - Note 1
TT-26-01	10/08/93	2.5											TCLP
TT-26-03	10/08/93	3.5											GHV, F, O/G
TT-28-01	10/06/93	5.0											O/G (D)
SOIL BORING SOIL SAMPLES													
MW-3D	03/18/92	26.0-28.0			X			X	X				
SB0403	03/20/92	30.0-32.0			X			X	X				
SB0601	03/24/92	22.5-24.5			X			X	X				
SB0702	08/30/93	2-4		X		X				X	X		
SB0704	08/30/93	7-9		X		X				X	X		

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

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Fe = Iron

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P = Porosity
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TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SB0708	08/30/93	17-19		X		X				X	X		
SB0711	08/30/93	24.5-26.5		X		X				X	X		
SB0713	08/30/93	29.5-31.5		X		X				X	X		
SB0807	08/26/93	14.5-16.5		X		X				X	X		
SB0810	08/26/93	22-24		X		X				X	X		
SB0812	08/26/93	27-29		X		X				X	X		
SB0903	08/25/93	4.5-6.5		X		X				X	X		Corrosivity/ Reactivity
SB0909	08/25/93	19.5-21.5		X		X				X	X		
SB0912	08/25/93	27-29		X		X				X	X		
SB1003	08/25/93	4.5-6.5		X		X				X	X		
SB1007	08/25/93	14.5-16.5		X		X				X	X		
SB1011	08/25/93	24.5-26.5		X		X				X	X		
SB1310	09/08/93	22-24		X		X				X	X		
SB1311	09/08/93	24.5-26.5		X		X				X	X		
SB1313	09/08/93	29.5-31.5		X		X				X	X		
SB1404	09/09/93	7-9		X		X				X	X		
SB1408	09/09/93	17-19		X		X				X	X		
SB1413	09/09/93	29.5-31.5		X		X				X	X		

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

GHV = Gross Heat Value
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Fe = Iron

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* = Analyses on duplicate sample only

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P = Porosity
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VP = Vertical permeability
TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SB1508	08/31/93	17-19		X		X				X	X		
SB1602	09/29/93	2-4		X		X				X	X		
SB1604	09/29/93	7-9		X		X				X	X		
SB1608	09/29/93	17-19		X(D)		X(D)				X(D)	X(D)		
SB1612	09/29/93	27-29		X		X				X	X		
SB1702	09/29/93	2-4		X		X				X	X		
SB1704	09/29/93	7-9		X		X				X	X		
SB1708	09/29/93	17-19		X		X				X	X		
SB1713	09/29/93	29.5-31.5		X(D)		X(D)				X(D)	X(D)		
SB1802	09/30/93	2-4		X		X				X	X		
SB1804	08/30/93	7-9		X		X				X	X		
SB1808	08/30/93	17-19		X		X				X	X		
SB1812	08/30/93	27-29		X(D)		X(D)				X(D)	X(D)		
SB1902	08/30/93	2-4		X		X				X	X		
SB1904	08/30/93	7-9		X		X				X	X		
SB1908	08/30/93	17-19		X		X				X	X		
SB1912	08/30/93	27-29		X(D)		X(D)				X(D)	X(D)		
SB2002	10/04/93	2-4		X		X				X	X		
SB2004	10/04/93	7-9		X(D)		X(D)				X(D)	X(D)		

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

GHV = Gross Heat Value
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O/G = Oil and grease
TOC = Total organic carbon
CEC = Cation exchange capacity
Fe = Iron

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(D) = Duplicate sample
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TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SB2008	10/04/93	17-19		X		X				X	X		
SB2009	10/04/93	19.5-21.5		X		X				X	X		
SB2012	10/04/93	27-29		X		X				X	X		
SB2102	10/01/93	2-4		X		X				X	X		
SB2104	10/01/93	7-9		X		X				X	X		
SB2106	10/01/93	12-14											GS, P, TOC, CEC
SB2108	10/01/93	17-19		X		X				X	X		
SB2112	10/01/93	27-29											GS, P
SB2113	10/01/93	29.5-31.5		X		X				X	X		
SB2114	10/01/93	32-34											GS, AL, P, VP
SB2115	10/01/93	34.5-36.5											GS, AL, P
SB2116	10/01/93	36.5-38.5											TOC, CEC
SB2202	09/27/93	2-4		X		X				X	X		
SB2204	09/27/93	7-9		X		X				X	X		
SB2208	09/27/93	17-19		X		X				X	X		
SB2212	09/27/93	27-29		X		X				X	X		
SB2302	10/05/93	2-4		X		X				X	X		Corrosivity/ Reactivity
SB2304	10/05/93	7-9		X		X				X	X		

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

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TOC = Total organic carbon
CEC = Cation exchange capacity
Fe = Iron

(A) = Arsenic and cyanide only
(D) = Duplicate sample
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P = Porosity
AL = Atterberg limits
VP = Vertical permeability
TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SB2308	10/05/93	17-19		X		X				X	X		
SB2313	10/05/93	29.5-31.5		X		X				X	X		
SB2402	09/28/93	2-4		X		X				X	X		Corrosivity/ Reactivity
SB2404	09/28/93	7-9		X		X				X	X		
SB2408	09/28/93	17-19		X		X				X	X		
SB2413	09/28/93	29.5-31.5		X(D)		X(D)				X(D)	X(D)		
SB2502	09/28/93	2-4		X		X				X	X		
SB2504	09/28/93	7-9		X		X				X	X		
SB2508	09/28/93	17-19		X		X				X	X		
SB2512	09/28/93	27-29		X		X				X	X		
SB2602	09/28/93	2-4		X		X				X	X		
SB2604	09/28/93	7-9		X		X				X	X		
SB2608	09/28/93	17-19		X		X				X	X		
SB2612	09/28/93	27-29		X(D)		X(D)				X(D)	X(D)		
SB2702	08/24/93	2-4		X		X				X	X		
SB2704	08/24/93	7-9		X		X				X	X		
SB2708	08/24/93	17-19		X		X				X	X		
SB2712	08/24/93	27-29		X		X				X	X		

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

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TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SB2802	09/29/93	2-4		X		X				X	X		
SB2804	09/29/93	7-9		X		X				X	X		
SB2808	09/29/93	17-19		X		X				X	X		
SB2812	09/29/93	27-29		X		X				X	X		
SB2902	09/30/93	2-4	X		X		X					X	
SB2904	09/30/93	7-9		X		X				X	X		
SB2908	09/30/93	17-19		X		X				X	X		
SB2911	09/30/93	24.5-26.5		X		X				X	X		
SB3003	10/05/93	4.5-6.5	X		X		X					X	
SB3007	10/05/93	14.5-16.5	X(D)		X(D)		X(D)					X(D)	
SB3009	10/05/93	19.5-21.5	X		X		X					X	
SB3011	10/05/93	24.5-26.5		X		X				X	X		
SB3012	10/05/93	27-29											GS
SB3015	10/05/93	34.5-36.5		X		X				X	X		
SB3017	10/05/93	40-41.5	•										GS
SB3018	10/05/93	42-44		X		X				X	X		
SB3103	10/05/93	4.5-6.5	X		X		X					X	
SB3107	10/05/93	14.5-16.5	X		X		X					X	
SB3110	10/05/93	22-24	X		X		X					X	

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

GHV = Gross Heat Value
F = Flashpoint
O/G = Oil and grease
TOC = Total organic carbon
CEC = Cation exchange capacity
Fe = Iron

(A) = Arsenic and cyanide only
(D) = Duplicate sample
* = Analyses on duplicate sample only

GS = Grain size distribution
P = Porosity
AL = Atterberg limits
VP = Vertical permeability
TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SB3112	10/05/93	27-29		X		X				X	X		
SB3116	10/05/93	37-39		X		X				X	X		
SB3118	10/05/93	42-44		X		X				X	X		
SB3120	10/05/93	46.5-48.5		X(D)		X(D)				X(D)	X(D)		
SB3202	09/13/93	2-4		X(D)		X(D)				X(D)	X(D)		
SB3204	09/13/93	7-9		X		X				X	X		
SB3206	09/13/93	12-14											GS
SB3208	09/13/93	17-19		X		X				X	X		
SB3211	09/13/93	24.5-26.5											GS
SB3212	09/13/93	27-29		X		X				X	X		
SB3216	09/13/93	37-39		X		X				X	X		
SB3302	09/15/93	2-4		X		X				X	X		
SB3304	09/15/93	7-9		X		X				X	X		
SB3306	09/15/93	12-14											GS
SB3308	09/15/93	17-19		X		X				X	X		
SB3310	09/15/93	22-24											GS
SB3312	09/15/93	27-29		X		X				X	X		

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

GHV = Gross Heat Value
F = Flashpoint
O/G = Oil and grease
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Fe = Iron

(A) = Arsenic and cyanide only
(D) = Duplicate sample
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P = Porosity
AL = Atterberg limits
VP = Vertical permeability
TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SB3402	10/06/93	2-4		X		X				X	X		Corros./Reactivity Sulfur Bacteria, Sulfide, Sulfate, Fe
SB3404	10/06/93	7-9		X		X				X	X		Sulfur Bacteria
SB3408	10/06/93	17-19		X		X				X	X		Sulfur Bacteria, Sulfide, Sulfate, Fe
SB3412	10/06/93	27-29		X		X				X	X		Sulfur Bacteria, Sulfide, Sulfate, Fe
SB3502	09/21/93	2-4		X		X				X	X		Corros./Reactivity Sulfur Bacteria, Sulfide, Sulfate, Fe
SB3504	09/21/93	7-9		X		X				X	X		Sulfur Bacteria, Sulfide, Sulfate, Fe
SB3508	09/21/93	17-19		x		x				x	x		Sulfur Bacteria, Sulfide, Sulfate, Fe
SB3512	09/21/93	27-29		X(D)		X(D)				X(D)	X(D)		Sulfur Bacteria, Sulfide, Sulfate, Fe (D)
SB3602	09/21/93	2-4		X		X				X	X		
SB3604	09/21/93	7-9		X		X				X	X		

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

GHV = Gross Heat Value
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TOC = Total organic carbon
CEC = Cation exchange capacity
Fe = Iron

(A) = Arsenic and cyanide only
(D) = Duplicate sample
* = Analyses on duplicate sample only

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P = Porosity
AL = Atterberg limits
VP = Vertical permeability
TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SB3608	09/21/93	17-19		X		X				X	X		
SB3613	09/21/93	29.5-31.5		X		X				X	X		
SB3702	09/21/93	2-4		X		X				X	X		
SB3704	09/21/93	7-9		X		X				X	X		
SB3708	09/21/93	17-19		X(D)		X(D)				X(D)	X(D)		
SB3714	09/21/93	32-34		X		X				X	X		
SB3802	09/23/93	2-4		X		X				X			
SB3804	09/23/93	7-9		X(D)		X(D)				X(D)	X(D)		
SB3808	09/23/93	17-19		X		X				X	X		
SB3813	09/23/93	29.5-31.5		X		X				X	X		
SB3902	09/17/93	2-4		X		X				X	X		
SB3904	09/17/93	7-9		X		X				X	X		
SB3908	09/17/93	17-19		X		X				X	X		
SB3913	09/17/93	29.5-31.5		X		X				X	X		
SB4002	10/07/93	2-4		X		X				X	X		
SB4005	10/07/93	9.5-11.5		X		X				X	X		
SB4008	10/07/93	17-19		X		X				X	X		
SB4011	10/07/93	24.5-26.5		X		X				X	X		
SB4102	09/16/93	2-4		X		X				X	X		

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

GHV = Gross Heat Value
F = Flashpoint
O/G = Oil and grease
TOC = Total organic carbon
CEC = Cation exchange capacity
Fe = Iron

(A) = Arsenic and cyanide only
(D) = Duplicate sample
* = Analyses on duplicate sample only

GS = Grain size distribution
P = Porosity
AL = Atterberg limits
VP = Vertical permeability
TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SB4103	09/16/93	4.5-6.5											GS
SB4104	09/16/93	7-9		X(D)		X(D)				X(D)	X(D)		
SB4106	09/16/93	12-14											GS
SB4108	09/16/93	17-19		X		X				X	X		
SB4110	09/16/93	22-24											GS
SB4112	09/16/93	27-29		X		X				X	X		
SB4202	09/23/93	2-4		X		X				X	X	X	
SB4204	09/23/93	7-9		X		X				X	X		
SB4208	09/23/93	17-19		X		X				X	X		
SB4212	09/23/93	27-29		X		X				X	X		
SB4302	09/15/93	2-4		X		X				X	X		
SB4304	09/15/93	7-9		X		X				X	X		
SB4308	09/15/93	17-19		X(D)		X(D)				X(D)	X(D)		
SB4312	09/15/92	27-29		X		X				X	X		
SB4402	09/20/93	2-4		X		X				X	X	X	Sulfur Bacteria, Sulfide, Sulfate, Fe
SB4404	09/20/93	7-9		X		X				X	X		Sulfur Bacteria, Sulfide, Sulfate, Fe

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

GHV = Gross Heat Value
F = Flashpoint
O/G = Oil and grease
TOC = Total organic carbon
CEC = Cation exchange capacity
Fe = Iron

(A) = Arsenic and cyanide only
(D) = Duplicate sample
* = Analyses on duplicate sample only

GS = Grain size distribution
P = Porosity
AL = Atterberg limits
VP = Vertical permeability
TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SB4406	09/20/93	12-14											TOC, CEC, GS, P, VP, Sulfur Bacteria, Sulfide, Sulfate, Fe
SB4408	09/20/93	17-19		X		X				X	X		Sulfur Bacteria, Sulfide, Sulfate, Fe
SB4410	09/20/93	22-24				X							
SB4411	09/20/93	24.5-26.5											TOC, CEC GS, P, VP
SB4412	09/20/93	27-29		X		X				X	X		Sulfur Bacteria, Sulfide, Sulfate, Fe
SB4413	09/20/93	29.5-31.5											TOC, CEC
SB4415	09/20/93	36-37.2											GS, AL, P, VP
SB4502	09/27/93	2-4		X		X				X	X		
SB4504	09/27/93	7-9		X		X				X	X		
SB4508	09/27/93	17-19		X		X				X	X		
SB4513	09/27/93	29.5-31.5		X(D)		X(D)				X(D)	X(D)		
SB4605	10/07/93	9.5-11.5		X		X				X	X		
SB4608	10/07/93	17-19		X(D)		X(D)				X(D)	X(D)		
SB4609	10/07/93	19.5-21.5											GS
SB4612	10/07/93	27.5-29.5											GS

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

GHV = Gross Heat Value
F = Flashpoint
O/G = Oil and grease
TOC = Total organic carbon
CEC = Cation exchange capacity
Fe = Iron

(A) = Arsenic and cyanide only
(D) = Duplicate sample
* = Analyses on duplicate sample only

GS = Grain size distribution
P = Porosity
AL = Atterberg limits
VP = Vertical permeability
TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SB4613	10/07/93	29.5-31.5		X		X				X	X		
SB4702	10/06/93	2-4		X		X				X	X		
SB4704	10/06/93	7-9		X		X				X	X		
SB4708	10/06/93	17-19		X		X				X	X		
SB4712	10/06/93	27-29				X							
SB4714	10/06/93	32-34		X		X				X	X		
SB4802	09/22/93	2-4		X		X				X	X		
SB4804	09/22/93	7-9		X		X				X	X		
SB4806	09/22/93	12-14											TOC, CEC, GS, P, VP
SB4808	09/22/93	17-19		X		X				X	X		
SB4811	09/22/93	24.5-26.5				X							
SB4812	09/22/93	27-29											TOC, CEC, GS, P, VP
SB4813	09/22/93	29.5-31.5		X		X				X	X		
SB4815	09/22/93	34.5-35.4											GS, AL, P, VP
SB4816	09/22/93	37-39											TOC, CEC
SB4902	10/05/93	2-4		X		X				X	X		
SB4904	10/05/93	7-9		X		X				X	X		
SB4908	10/05/93	17-19		X		X				X	X		

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

GHV = Gross Heat Value
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O/G = Oil and grease
TOC = Total organic carbon
CEC = Cation exchange capacity
Fe = Iron

(A) = Arsenic and cyanide only
(D) = Duplicate sample
* = Analyses on duplicate sample only

GS = Grain size distribution
P = Porosity
AL = Atterberg limits
VP = Vertical permeability
TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SB4911	10/05/93	24.5-26.5		X		X				X	X		
SB5002	10/05/93	2-4		X		X				X	X		
SB5004	10/05/93	7-9		X(D)		X(D)				X(D)	X(D)		
SB5008	10/05/93	17-19		X		X				X	X		
SB5012	10/05/93	27-29		X		X				X	X		
SB5104	09/16/93	7-9		X		X				X	X		
SB5109	09/16/93	19.5-21.5		X		X				X	X		
SB5112	09/16/93	27-29		X		X				X	X		
SB5205	09/15/93	9.5-11.5		X		X				X	X		
SB5208	09/15/93	17-19		X		X				X	X		
SB5214	09/15/93	32-34		X		X				X	X		
SB5304	09/15/93	7-9		X		X				X	X		
SB5312	09/16/93	27-29		X		X				X	X		
SB5502	10/07/93	2-4		X		X				X	X		
SB5612	10/07/93	27-29		X		X				X	X		
SB5710	10/07/93	22-24		X		X				X	X		
SB5902	11/01/93	2-4		X		X				X	X		
SB5904	11/01/93	7-9		X		X				X	X		
SB5908	11/01/93	17-19		X		X				X	X		

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

GHV = Gross Heat Value
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O/G = Oil and grease
TOC = Total organic carbon
CEC = Cation exchange capacity
Fe = Iron

(A) = Arsenic and cyanide only
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P = Porosity
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VP = Vertical permeability
TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
SB5912	11/01/93	27-29		X		X				X	X		
SB6002	11/02/93	2-4		X		X				X	X		
SB6004	11/02/93	7-9		X		X				X	X		
SB6008	11/02/93	17-19		X		X				X	X		
SB6012	11/02/93	27-29		X		X				X	X		
P10706	09/03/93	11.5-13.5		X		X				X	X		
PW0107	08/30/93	14.5-16.5		X		X				X	X		
PW0112	08/31/93	27-29		X		X				X	X		
PW01	08/30/93	7-9											GS
PW01	08/30/93	9.5-14.0											GS
PW01	08/30/93	14.5-19.0											GS
PW01	08/30/93	19.5-24.0											GS
PW01	08/31/93	24.5-29.0											GS
GROUND SURFACE SOIL SAMPLES													
GS01	09/01/93	0-0.5		X(D)		X(D)				X(D)	X(D)		
GS02	09/01/93	0-0.5		X		X				X	X		
GS03	08/31/93	0-0.5		X		X				X	X		
GS04	09/01/93	0-0.5		X		X				X	X		
GS05	08/31/93	0-0.5		X		X				X	X	X	

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

GHV = Gross Heat Value
F = Flashpoint
O/G = Oil and grease
TOC = Total organic carbon
CEC = Cation exchange capacity
Fe = Iron

(A) = Arsenic and cyanide only
(D) = Duplicate sample
* = Analyses on duplicate sample only

GS = Grain size distribution
P = Porosity
AL = Atterberg limits
VP = Vertical permeability
TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-2 (Cont.)

SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SAMPLE NO	DATE COLLECTED	DEPTH (FT)	PARAMETERS ANLAYZED										
			INORGANICS		VOC		SEMIVOLATILES					PEST/ PCB	OTHER
							PHASE 1			PHASE 2			
			FULL SCAN	PHASE 2	FULL SCAN	BETX	FULL SCAN	PAH	PHENOLS	PAH	PHENOLS		
GS06	09/01/93	0-0.5		X		X				X	X		
GS07	08/31/93	0-0.5		X		X				X	X		
GS08	08/31/93	0-0.5		X		X				X	X		Corrosivity/ Reactivity
GS09	08/31/93	0-0.5		X		X				X	X		
GS10	08/31/93	0-0.5		X		X				X	X		
GS11	08/31/93	0-0.5		X(D)		X(D)				X(D)	X(D)		
GS12	08/31/93	0-0.5		X		X				X	X		
GS13	08/31/93	0-0.5		X		X				X	X		
GS14	08/31/93	0-0.5		X		X				X	X		
GS15	08/31/93	0-0.5		X		X				X	X		
GS16	08/31/93	0-0.5		X		X				X	X		
GS17	09/01/93	0-0.5		X		X				X	X		
DESIGNATED SOIL STOCKPILE SOIL SAMPLES													
DS01	10/04/93	1.5	X		X		X					X	
DS02	10/04/93	1.5	X		X		X					X	
DS03	10/04/93	1.5	X(D)		X(D)		X(D)					X(D)	

NOTE 1: Fourier transform infrared analysis, X-ray diffraction, emission spectroscopy analyses performed.

GHV = Gross Heat Value
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O/G = Oil and grease
TOC = Total organic carbon
CEC = Cation exchange capacity
Fe = Iron

(A) = Arsenic and cyanide only
(D) = Duplicate sample
* = Analyses on duplicate sample only

GS = Grain size distribution
P = Porosity
AL = Atterberg limits
VP = Vertical permeability
TCLP = Toxicity characteristic leaching procedure

TABLE 4.1-3

SOIL QUALITY DATA
BACKGROUND SOIL SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	BS01	BS02	BS03	BS04	BS05
	03/05/92	03/05/92	03/05/92	03/05/92	03/05/92
Arsenic, total	1.7 B	2.0 B	235	1.9 B	0.76 UJ
Cyanide, total	0.19 U	0.19 U	0.25 U	0.19 U	0.22 U
Aluminum	1520 J	1930 J	4560 J	1840 J	1180 J
Antimony	2.3 UJ	2.3 UJ	5.8 BJ	2.3 UJ	2.7 UJ
Barium	6.4 BJ	11.2 BJ	232 J	22.2 BJ	5.1 BJ
Beryllium	0.12 U	0.14 U	0.40 B	0.17 U	0.14 U
Cadmium	0.62 U	0.62 U	7.3	0.61 U	0.72 U
Calcium	28500	31900	36100	16200	21800
Chromium, total	5.3 U	5.9 U	231	18.1	5.1 U
Cobalt	2.4 B	2.3 B	7.3 B	1.8 B	2.4 B
Copper	5.2 B	7.1	160	4.3 B	3.9 B
Iron	3710	4330	39700	4110	3910
Lead	3.6 J	9.2 J	434 J	5.0 J	3.4 J
Magnesium	13800	16200	17300	7670	12700
Manganese	123	163	357	78.6	121
Mercury	0.08 U	0.08 U	1.7	0.08 U	0.09 U
Nickel	3.2 B	4.8 B	33.3	3.7 B	3.6 B
Potassium	311 B	403 B	680 B	278 B	296 B
Selenium	0.27 U	0.27 U	0.93 BJ	0.27 U	0.32 U
Silver	0.71 B	0.36 U	5.4	0.36 U	0.74 B
Sodium	285 U	312 U	447 U	339 U	314 U
Thallium	0.23 U	0.23 U	0.31 U	0.23 U	0.34 B
Vanadium	6.9 B	8.0 B	14.3	5.6 B	10.7 B
Zinc	19.2	27.6	764	20.4	17.6

B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.

U Not detected.

.009

01/24/94

TABLE 4.1-3 (cont.)

SOIL QUALITY DATA
BACKGROUND SOIL SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	BS06		BS07	BS08
	03/25/92 Sample	03/25/92 Duplicate	03/25/92	03/25/92
Arsenic, total	1.7 BJ	1.7 BJ	2.2 BJ	2.8 J
Cyanide, total	0.79 BJ	1.2 BJ	0.22 R	0.22 R
Aluminum	1670	3550	881	896
Antimony	2.9 B	2.3 U	3.4 B	2.6 U
Barium	8.8 BJ	12.2 BJ	5.5 BJ	6.6 BJ
Beryllium	0.20 U	0.29 B	0.23 U	0.16 U
Cadmium	0.62 U	0.62 U	0.70 U	0.71 U
Calcium	27800	27300	23100	24800
Chromium, total	5.3	8.5	14.6	5.7
Cobalt	2.9 B	5.8 B	1.6 B	2.2 B
Copper	8.3	24.3	7.5	6.5
Iron	5380	10100	2560	2820
Lead	3.5 J	3.1 J	3.6 J	4.8 J
Magnesium	14600	16000	11800	12900
Manganese	194	249	103	133
Mercury	0.07 U	0.08 U	0.08 U	0.08 U
Nickel	5.3 B	12.8	3.9 B	2.6 B
Potassium	151 U	365 B	169 U	172 U
Selenium	0.27 U	0.27 U	0.31 U	0.31 U
Silver	0.37 U	0.37 U	0.41 U	0.42 U
Sodium	204 U	326 U	229 U	288 U
Thallium	0.35 U	0.35 U	0.30 B	0.40 U
Vanadium	14.9	32.9	4.4 B	4.9 B
Zinc	21.2 J	40.8 J	28.8 J	30.8 J

B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
R Associated value is unusable.
U Not detected.

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TABLE 4.1-4

SOIL QUALITY DATA
BACKGROUND SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	BS01	BS02	BS03	BS04	BS05
	03/05/92	03/05/92	03/05/92	03/05/92	03/05/92
BETX COMPOUNDS					
Benzene	11 U	11 U	13 U	11 U	12 U
Ethyl Benzene	11 U	11 U	13 U	11 U	12 U
Toluene	11 U	11 U	2 J	11 U	12 U
Xylenes	11 U	4 J	7 J	11 U	12 U
Sum of BETX	ND	4 a	9 a	ND	ND
CHLORINATED COMPOUNDS					
Bromodichloromethane	11 U	11 U	13 U	11 U	12 U
Carbon Tetrachloride	11 U	11 U	13 U	11 U	12 U
Chloroethane	11 U	11 U	13 U	11 U	12 U
Chloroform	11 U	11 U	11 U	11 U	12 U
Chloromethane	11 U	11 U	13 U	11 U	12 U
Chlorobenzene	11 U	11 U	13 U	11 U	12 U
Chlorodibromomethane	11 U	11 U	13 U	11 U	12 U
1,1-Dichloroethane	11 U	11 U	13 U	11 U	12 U
1,2-Dichloroethane	11 U	11 U	13 U	11 U	12 U
1,1-Dichloroethylene	11 U	11 U	13 U	11 U	12 U
1,2-Dichloroethylene	11 U	11 U	13 U	11 U	12 U
1,2-Dichloropropane	11 U	11 U	13 U	11 U	12 U
Cis-1,3-Dichloro-1-propene	11 U	11 U	13 U	11 U	12 U
Trans-1,3-Dichloro-1-propene	11 U	11 U	13 U	11 U	12 U
Methylene Chloride	32 U	23 U	51 U	19 U	26 U
Styrene	11 U	11 U	13 U	11 U	12 U
1,1,2,2-Tetrachloroethane	11 U	11 U	13 U	11 U	12 U
Tetrachloroethylene	11 U	11 U	13 U	11 U	12 U
1,1,1-Trichloroethane	11 U	11 U	13 U	11 U	12 U
1,1,2-Trichloroethane	11 U	11 U	13 U	11 U	12 U
Trichloroethylene	11 U	11 U	2 J	11 U	12 U
Vinyl Chloride	11 U	11 U	13 U	11 U	12 U
OTHER COMPOUNDS					
Acetone	14 U	23 U	39 U	11 U	12 U
Bromoform	11 U	11 U	13 U	11 U	12 U
Bromomethane	11 U	11 U	13 U	11 U	12 U
Carbondisulfide	2 J	3 J	4 J	11 U	12 U
2-Hexanone	11 U	11 U	13 U	11 U	12 U
Methyl Ethyl Ketone	11 U	11 U	13 U	11 U	12 U
Methyl Isobutyl Ketone	11 U	11 U	13 U	11 U	12 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-4 (cont.)

SOIL QUALITY DATA
BACKGROUND SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	BS06		BS07	BS08
	03/25/92 Sample	03/25/92 Duplicate	03/25/92	03/25/92
BETX COMPOUNDS				
Benzene	2 J	11 U	12 U	12 U
Ethyl Benzene	11 U	11 U	12 U	12 U
Toluene	3 J	11 U	12 U	12 U
Xylenes	4 J	1 J	2 J	1 J
Sum of BETX	9 a	1 a	2 a	1 a
CHLORINATED COMPOUNDS				
Bromodichloromethane	11 U	11 U	12 U	12 U
Carbon Tetrachloride	11 U	11 U	12 U	12 U
Chloroethane	11 U	11 U	12 U	12 U
Chloroform	11 U	11 U	12 U	12 U
Chloromethane	11 U	11 U	12 U	12 U
Chlorobenzene	11 U	11 U	12 U	12 U
Chlorodibromomethane	11 U	11 U	12 U	12 U
1,1-Dichloroethane	11 U	11 U	12 U	12 U
1,2-Dichloroethane	11 U	11 U	12 U	12 U
1,1-Dichloroethylene	11 U	11 U	12 U	12 U
1,2-Dichloroethylene	11 U	11 U	12 U	12 U
1,2-Dichloropropane	11 U	11 U	12 U	12 U
Cis-1,3-Dichloro-1-propene	11 U	11 U	12 U	12 U
Trans-1,3-Dichloro-1-propene	11 U	11 U	12 U	12 U
Methylene Chloride	11 U	11 U	26 U	26 U
Styrene	11 U	11 U	12 U	12 U
1,1,2,2-Tetrachloroethane	11 U	11 U	12 U	12 U
Tetrachloroethylene	11 U	11 U	12 U	12 U
1,1,1-Trichloroethane	11 U	11 U	12 U	12 U
1,1,2-Trichloroethane	11 U	11 U	12 U	12 U
Trichloroethylene	11 U	11 U	12 U	12 U
Vinyl Chloride	11 U	11 U	12 U	12 U
OTHER COMPOUNDS				
Acetone	11 U	11 U	51 U	25 U
Bromoform	11 U	11 U	12 U	12 U
Bromomethane	11 U	11 U	12 U	12 U
Carbondisulfide	11 U	11 U	12 U	12 U
2-Hexanone	11 U	11 U	12 U	12 U
Methyl Ethyl Ketone	11 U	11 U	20	12
Methyl Isobutyl Ketone	11 U	11 U	12 U	12 U

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a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-5

SOIL QUALITY DATA
BACKGROUND SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	BS01	BS02	BS03	BS04	BS05
	03/05/92	03/05/92	03/05/92	03/05/92	03/05/92
CARCINOGENIC COMPOUNDS					
Benzo(a)anthracene	350 U	40 J	1600	350 U	63 J
Benzo(b)fluoranthene	350 U	42 J	2000	350 U	63 J
Benzo(k)fluoranthene	350 U	46 J	1100	350 U	90 J
Benzo(a)pyrene	350 U	350 U	1400	350 U	46 J
Carbazole	350 U	350 U	240 J	350 U	390 U
Chrysene	40 J	54 J	1700	350 U	63 J
Dibenzo(ah)anthracene	350 U	350 U	440 J	350 U	390 U
Indeno(1,2,3,cd)pyrene	350 U	350 U	1100	350 U	40 J
Sum of Carcinogens	40 a	182 a	9580 a	ND	365 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS					
Acenaphthene	350 U	350 U	160 J	350 U	390 U
Acenaphthylene	350 U	350 U	590	350 U	390 U
Anthracene	350 U	350 U	560	350 U	390 U
Benzo(ghi)perylene	350 U	350 U	810	350 U	390 U
Dibenzofuran	350 U	350 U	89 J	350 U	390 U
Fluoranthene	47 J	90 J	2400	350 U	180 J
Fluorene	350 U	350 U	260 J	350 U	390 U
2-Methylnaphthalene	350 U	350 U	87 J	350 U	390 U
Naphthalene, semivolatile	350 U	350 U	120 J	350 U	390 U
Phenanthrene	350 U	68 J	1300	350 U	170 J
Pyrene	35 J	77 J	2600	350 U	100 J
Sum of Non-Carcinogens	82 a	235 a	8976 a	ND	450 a
Sum of Total PAH Compounds	122 a	417 a	18556 a	ND	815 a
PHENOLIC COMPOUNDS					
4-Chloro-3-methylphenol	350 U	350 U	450 U	350 U	390 U
2-Chlorophenol	350 U	350 U	450 U	350 U	390 U
o-Cresol	350 U	350 U	450 U	350 U	390 U
p-Cresol	350 U	350 U	450 U	350 U	390 U
2,4-Dichlorophenol	350 U	350 U	450 U	350 U	390 U
2,4-Dimethylphenol	350 U	350 U	450 U	350 U	390 U
2,4-Dinitrophenol	840 U	850 U	1100 U	840 U	950 U
2-Methyl-4,6-dinitrophenol	840 U	850 U	1100 U	840 U	950 U
2-Nitrophenol	350 U	350 U	450 U	350 U	390 U
4-Nitrophenol	840 U	850 U	1100 U	840 U	950 U
Pentachlorophenol	840 U	850 U	1100 U	840 U	950 U
Phenol	350 U	350 U	450 U	350 U	390 U
2,4,5-Trichlorophenol	840 U	850 U	1100 U	840 U	950 U
2,4,6-Trichlorophenol	350 U	350 U	450 U	350 U	390 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-5 (cont.)

SOIL QUALITY DATA
BACKGROUND SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	BS01	BS02	BS03	BS04	BS05
	03/05/92	03/05/92	03/05/92	03/05/92	03/05/92
OTHER SEMIVOLATILE ORGANIC COMPOUNDS					
Bis(2-chloroethoxy)methane	350 U	350 U	450 U	350 U	390 U
Bis(2-chloroethyl)ether	350 U	350 U	450 U	350 U	390 U
Bis(2-chloroisopropyl)ether	350 U	350 U	450 U	350 U	390 U
Bis(2-ethylhexyl)phthalate	420 U	350 U	4500	350 U	390 U
4-Bromophenyl phenyl ether	350 U	350 U	450 U	350 U	390 U
Butyl benzyl phthalate	350 U	350 U	450 U	350 U	390 U
4-Chloroaniline	350 U	350 U	450 U	350 U	390 U
2-Chloronaphthalene	350 U	350 U	450 U	350 U	390 U
4-Chlorophenyl phenyl ether	350 U	350 U	450 U	350 U	390 U
Di-n-butyl phthalate	350 U	350 U	450 U	350 U	390 U
Di-n-octyl phthalate	350 U	350 U	450 U	350 U	390 U
1,2-Dichlorobenzene	350 U	350 U	450 U	350 U	390 U
1,3-Dichlorobenzene	350 U	350 U	450 U	350 U	390 U
1,4-Dichlorobenzene	350 U	350 U	450 U	350 U	390 U
3,3-Dichlorobenzidine	350 U	350 U	450 U	350 U	390 U
Diethyl phthalate	350 U	350 U	450 U	350 U	390 U
Dimethyl phthalate	350 U	350 U	450 U	350 U	390 U
2,4-Dinitrotoluene	350 U	350 U	450 U	350 U	390 U
2,6-Dinitrotoluene	350 U	350 U	450 U	350 U	390 U
Hexachlorobenzene	350 U	350 U	450 U	350 U	390 U
Hexachlorobutadiene	350 U	350 U	450 U	350 U	390 U
Hexachlorocyclopentadiene	350 U	350 U	450 U	350 U	390 U
Hexachloroethane	350 U	350 U	450 U	350 U	390 U
Isophorone	350 U	350 U	450 U	350 U	390 U
N-Nitrosodi-n-propylamine	350 U	350 U	450 U	350 U	390 U
N-Nitrosodiphenylamine	350 U	350 U	450 U	350 U	390 U
2-Nitroaniline	840 U	850 U	1100 U	840 U	950 U
3-Nitroaniline	840 U	850 U	1100 U	840 U	950 U
4-Nitroaniline	840 U	850 U	1100 U	840 U	950 U
Nitrobenzene	350 U	350 U	450 U	350 U	390 U
1,2,4-Trichlorobenzene	350 U	350 U	450 U	350 U	390 U

U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-5 (cont.)

SOIL QUALITY DATA
BACKGROUND SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	BS06		BS07	BS08
	03/25/92 Sample	03/25/92 Duplicate	03/25/92	03/25/92
CARCINOGENIC COMPOUNDS				
Benzo(a)anthracene	350 U	350 U	390 U	400 U
Benzo(b)fluoranthene	350 U	350 U	390 U	400 U
Benzo(k)fluoranthene	350 U	350 U	390 U	400 U
Benzo(a)pyrene	350 U	350 U	390 U	400 U
Carbazole	350 U	350 U	390 U	400 U
Chrysene	350 U	350 U	390 U	400 U
Dibenzo(ah)anthracene	350 U	350 U	390 U	400 U
Indeno(1,2,3,cd)pyrene	350 U	350 U	390 U	400 U
Sum of Carcinogens	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS				
Acenaphthene	350 U	350 U	390 U	400 U
Acenaphthylene	350 U	350 U	390 U	400 U
Anthracene	350 U	350 U	390 U	400 U
Benzo(ghi)perylene	89 J	350 U	390 U	400 U
Dibenzofuran	350 U	350 U	390 U	400 U
Fluoranthene	350 U	350 U	390 U	400 U
Fluorene	350 U	350 U	390 U	400 U
2-Methylnaphthalene	350 U	350 U	390 U	400 U
Naphthalene	350 U	350 U	390 U	400 U
Phenanthrene	350 U	350 U	390 U	400 U
Pyrene	350 U	350 U	390 U	400 U
Sum of Non-Carcinogens	89 a	ND	ND	ND
Sum of Total PAH Compounds	89 a	ND	ND	ND
PHENOLIC COMPOUNDS				
4-Chloro-3-methylphenol	350 U	350 U	390 U	400 U
2-Chlorophenol	350 U	350 U	390 U	400 U
o-Cresol	350 U	350 U	390 U	400 U
p-Cresol	350 U	350 U	390 U	400 U
2,4-Dichlorophenol	350 U	350 U	390 U	400 U
2,4-Dimethylphenol	350 U	350 U	390 U	400 U
2,4-Dinitrophenol	840 U	850 U	950 U	960 U
2-Methyl-4,6-dinitrophenol	840 U	850 U	950 U	960 U
2-Nitrophenol	350 U	350 U	390 U	400 U
4-Nitrophenol	840 U	850 U	950 U	960 U
Pentachlorophenol	840 U	850 U	950 U	960 U
Phenol	350 UJ	350 UJ	390 UJ	400 UJ
2,4,5-Trichlorophenol	840 U	850 U	950 U	960 U
2,4,6-Trichlorophenol	350 U	350 U	390 U	400 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-5 (cont.)

SOIL QUALITY DATA
BACKGROUND SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	BS06		BS07	BS08
	03/25/92 Sample	03/25/92 Duplicate	03/25/92	03/25/92
OTHER SEMIVOLATILE ORGANIC COMPOUNDS				
Bis(2-chloroethoxy)methane	350 U	350 U	390 U	400 U
Bis(2-chloroethyl)ether	350 U	350 U	390 U	400 U
Bis(2-chloroisopropyl)ether	350 U	350 U	390 U	400 U
Bis(2-ethylhexyl)phthalate	350 U	350 U	390 U	400 U
4-Bromophenyl phenyl ether	350 U	350 U	390 U	400 U
Butyl benzyl phthalate	350 U	350 U	390 U	400 U
4-Chloroaniline	350 U	350 U	390 U	400 U
2-Chloronaphthalene	350 U	350 U	390 U	400 U
4-Chlorophenyl phenyl ether	350 U	350 U	390 U	400 U
Di-n-butyl phthalate	350 U	350 U	390 U	400 U
Di-n-octyl phthalate	350 U	350 U	390 U	400 U
1,2-Dichlorobenzene	350 U	350 U	390 U	400 U
1,3-Dichlorobenzene	350 U	350 U	390 U	400 U
1,4-Dichlorobenzene	350 U	350 U	390 U	400 U
3,3-Dichlorobenzidine	350 U	350 U	390 U	400 U
Diethyl phthalate	350 U	350 U	390 U	400 U
Dimethyl phthalate	350 U	350 U	390 U	400 U
2,4-Dinitrotoluene	350 U	350 U	390 U	400 U
2,6-Dinitrotoluene	350 U	350 U	390 U	400 U
Hexachlorobenzene	350 U	350 U	390 U	400 U
Hexachlorobutadiene	350 U	350 U	390 U	400 U
Hexachlorocyclopentadiene	350 U	350 U	390 U	400 U
Hexachloroethane	350 U	350 U	390 U	400 U
Isophorone	350 U	350 U	390 U	400 U
N-Nitrosodi-n-propylamine	350 U	350 U	390 U	400 U
N-Nitrosodiphenylamine	350 U	350 U	390 U	400 U
2-Nitroaniline	840 U	850 U	950 U	960 U
3-Nitroaniline	840 U	850 U	950 U	960 U
4-Nitroaniline	840 U	850 U	950 U	960 U
Nitrobenzene	350 U	350 U	390 U	400 U
1,2,4-Trichlorobenzene	350 U	350 U	390 U	400 U

U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-6

SOIL QUALITY DATA
BACKGROUND SOIL SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/kg)

	BS01	BS02	BS03	BS04	BS05
	03/05/92	03/05/92	03/05/92	03/05/92	03/05/92
PESTICIDES					
Aldrin	1.8 U	1.8 U	120 U	7.2 U	2.0 U
a-BHC	1.8 U	1.8 U	120 U	7.2 U	2.0 U
b-BHC	1.8 U	1.8 U	120 U	7.2 U	2.0 U
d-BHC	1.8 U	1.8 U	120 U	7.2 U	2.0 U
g-BHC (Lindane)	1.8 U	1.8 U	120 U	7.2 U	2.0 U
Alpha Chlordane	1.8 U	1.4 J	120 U	7.2 U	2.0 U
Gamma Chlordane	1.8 U	1.2 J	120 U	7.2 U	2.0 U
4,4'-DDD	3.5 U	3.5 U	230 U	14 U	3.9 U
4,4' DDE	3.5 U	3.5 U	230 U	14 U	3.9 U
4,4'-DDT	3.5 U	3.5 U	230 U	14 U	3.9 U
Dieldrin	3.5 U	3.5 U	230 U	14 U	3.9 U
Endosulfan I	1.8 U	1.8 U	120 U	7.2 U	2.0 U
Endosulfan II	3.5 U	3.5 U	230 U	14 U	3.9 U
Endosulfan Sulfate	3.5 U	3.5 U	230 U	14 U	3.9 U
Endrin	3.5 U	3.5 U	230 U	14 U	3.9 U
Endrin Aldehyde	3.5 U	3.5 U	230 U	14 U	3.9 U
Endrin Ketone	3.5 U	3.5 U	230 U	14 U	3.9 U
Heptachlor	1.8 U	1.8 U	120 U	7.2 U	2.0 U
Heptachlor Epoxide	1.8 U	1.8 U	120 U	7.2 U	2.0 U
Methyloxyclor	18 U	18 U	1200 U	72 U	20 U
Toxaphene	180 U	180 U	12000 U	720 U	200 U
PCBs					
PCB-1016	35 U	35 U	2300 U	140 U	39 U
PCB-1221	71 U	71 U	4600 U	280 U	80 U
PCB-1232	35 U	35 U	2300 U	140 U	39 U
PCB-1242	35 U	35 U	2300 U	140 U	39 U
PCB-1248	35 U	35 U	23000 C	1500	39 U
PCB-1254	35 U	35 U	2300 U	140 U	39 U
PCB-1260	35 U	35 U	850 J	69 J	39 U

C The presence of this compound was confirmed by GCMS analysis.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
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TABLE 4.1-6 (cont.)

SOIL QUALITY DATA
BACKGROUND SOIL SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/kg)

	BS06		BS07	BS08
	03/25/92 Sample	03/25/92 Duplicate	03/25/92	03/25/92
PESTICIDES				
Aldrin	1.8 U	1.8 U	2.0 U	2.0 U
a-BHC	1.8 U	1.8 U	2.0 U	2.0 U
b-BHC	1.8 U	1.8 U	2.0 U	2.0 U
d-BHC	1.8 U	1.8 U	2.0 U	2.0 U
g-BHC (Lindane)	1.8 U	1.8 U	2.0 U	2.0 U
Alpha Chlordane	28	31	2.0 U	2.0 U
Gamma Chlordane	16	18	2.0 U	2.0 U
4,4'-DDD	3.5 U	3.5 U	3.9 U	4.0 U
4,4'-DDE	3.5 U	3.5 U	3.9 U	4.0 U
4,4'-DDT	3.5 U	3.5 U	3.9 U	4.0 U
Dieldrin	3.5 U	3.5 U	3.9 U	4.0 U
Endosulfan I	1.8 U	1.8 U	2.0 U	2.0 U
Endosulfan II	3.5 U	3.5 U	3.9 U	4.0 U
Endosulfan Sulfate	3.5 U	3.5 U	3.9 U	4.0 U
Endrin	3.5 U	3.5 U	3.9 U	4.0 U
Endrin Aldehyde	3.5 U	3.5 U	3.9 U	4.0 U
Endrin Ketone	3.5 U	3.5 U	3.9 U	4.0 U
Heptachlor	2.5	2.0	2.0 U	2.0 U
Heptachlor Epoxide	5.5 P	6.9 P	2.0 U	2.0 U
Methyloxyclor	18 U	18 U	20 U	20 U
Toxaphene	180 U	180 U	200 U	200 U
PCBs				
PCB-1016	35 U	35 U	39 U	40 U
PCB-1221	71 U	71 U	80 U	81 U
PCB-1232	35 U	35 U	39 U	40 U
PCB-1242	35 U	35 U	39 U	40 U
PCB-1248	35 U	35 U	1200	700
PCB-1254	35 U	35 U	39 U	40 U
PCB-1260	35 U	35 U	56	58

P Greater than 25 percent difference for detected concentrations between primary and confirmation columns. Result reported is the lower of the two values.

U Not detected.

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TABLE 4.1-7

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SC01	SC02	SS01	SS02		SS03	SS04	SS05
	03/07/92	03/07/92	03/10/92	03/06/92 Sample	03/06/92 Duplicate	03/06/92	03/06/92	03/06/92
Arsenic, total	0.60 UJ	61.6 J	7.2	1.1 U	0.91 U	5.6	2.6	3.7
Cyanide, total	--	--	--	--	--	--	--	--
Aluminum	1260 J	3540 J	6690	1550	892	3520	1530	1830
Antimony	2.7 UJ	3.1 UJ	2.5 R	2.7 UJ	2.7 UJ	2.9 UJ	2.6 UJ	2.6 UJ
Barium	8.7 BJ	58.1 J	38.5 BJ	8.3 BJ	5.5 BJ	52.7 BJ	15.0 BJ	19.4 BJ
Beryllium	0.08 U	1.6	0.40 B	0.23 U	0.11 U	0.95 B	0.39 U	0.26 U
Cadmium	0.73 U	0.83 U	0.68 UJ	0.73 U	0.72 U	0.79 U	0.70 U	0.70 U
Calcium	32000	35400	11200	18600	21300	23300	13000	26700
Chromium, total	6.2 U	9.2	13.9	4.3	4.0 U	7.6	4.6	5.4
Cobalt	1.8 B	4.4 B	6.4 B	1.7 B	1.8 B	4.7 B	3.4 B	3.2 B
Copper	5.9 B	21.9	18.1	5.4 B	4.6 B	17.2	13.0	16.7
Iron	3010	5040	18400	2590	2350	10000	6440	5350
Lead	3.0	8.1	11.7 J	2.5 J	3.0 J	13.6 J	8.0 J	9.7 J
Magnesium	15400	15400	6970	8990	10900	10200	7240	13300
Manganese	147	74.9	484 J	85.5	88.8	152	115	146
Mercury	0.07 U	0.09 U	0.08 U	0.08 U	0.08 U	0.09 U	0.09 U	0.09 U
Nickel	3.0 B	11.9	15.1	4.1 U	3.6 U	13.3	9.9	8.0 B
Potassium	288 B	244 B	866 B	263 UJ	210 UJ	411 UJ	252 UJ	313 UJ
Selenium	0.32 U	0.36 U	0.57 BJ	0.32 U	0.32 U	0.54 B	0.31 U	0.31 U
Silver	0.43 U	0.49 U	0.48 B	0.52 U	0.42 U	0.47 U	0.41 U	0.46 U
Sodium	390 U	464 U	1240	377 UJ	321 UJ	484 UJ	321 UJ	396 UJ
Thallium	0.41 U	0.47 U	0.38 U	0.41 U	0.41 U	0.45 U	0.39 U	0.40 U
Vanadium	5.0 B	13.7 B	20.7	5.7 B	4.4 B	13.3 B	8.6 B	8.5 B
Zinc	19.8	17.7	85.4	20.3	17.7	138	45.0	47.8

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
R Associated value is unusable.
U Not detected.

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TABLE 4.1-7 (cont.)

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SS06	SS07	SS08	SS09	SS10	SS11	SS12	SS13
	03/11/92	03/10/92	03/11/92	03/11/92	03/11/92	03/11/92	03/11/92	03/12/92
Arsenic, total	5.5	4.2	91.5	8.7	6.3	1.4 B	1.3 B	1.5 B
Cyanide, total	--	--	--	--	--	--	--	--
Aluminum	4050	6120	3490	12500	3720	1100	913	919
Antimony	2.7 R	2.6 R	3.5 R	2.7 R	2.8 BJ	2.5 R	2.7 R	3.2 BJ
Barium	39.1 B	23.3 BJ	56.7 B	105	36.3 B	5.8 B	4.6 B	4.9 B
Beryllium	0.37 U	0.39 B	0.66 B	0.61 B	0.33 B	0.04 U	0.07 U	0.10 U
Cadmium	0.82 BJ	1.9 J	1.2 BJ	0.72 UJ	0.69 UJ	0.67 UJ	0.72 UJ	0.75 BJ
Calcium	17000	13700	3430	10900	28100	25500	25000	24700
Chromium, total	9.0	12.2	6.1	18.6	7.7	5.0	3.2	3.6
Cobalt	5.3 B	6.9 B	2.6 B	10.9 B	4.0 B	1.1 B	3.7 B	1.3 B
Copper	11.6	19.7	18.9	24.1	12.5	10.5	7.7	4.3 U
Iron	9580	13300	4930	21200	9210	2970	2780	2790
Lead	9.7 J	10.8 J	18.6 J	12.2 J	17.8	3.8 J	3.8 J	3.1 J
Magnesium	9670	8640	1400 B	7880	15700	13200	12800	12800
Manganese	214 J	399 J	52.0 J	973 J	190 J	111 J	167 J	107 J
Mercury	0.09 U	0.07 U	0.11 U	0.08 U	0.08 U	0.08 U	0.09 U	0.08 U
Nickel	8.0 B	17.0	6.5 U	21.0	8.3 B	5.1 U	4.9 U	4.2 U
Potassium	397 B	684 B	261 B	1180 B	374 B	162 U	173 U	165 U
Selenium	0.65 UJ	0.54 BJ	12.5 J	0.55 UJ	0.84 UJ	0.44 UJ	0.34 UJ	0.48 UJ
Silver	0.43 U	0.41 U	0.56 U	0.45 U	0.40 U	0.39 U	0.42 U	0.40 U
Sodium	271 U	239 B	382 U	274 U	241 U	295 U	233 U	284 U
Thallium	2.1 U	0.40 U	2.7 U	2.0 U	1.9 U	1.9 U	2.0 U	1.9 U
Vanadium	14.3	17.7	5.1 B	29.9	11.5 B	6.3 B	4.5 B	4.7 B
Zinc	58.0	62.4	29.8	65.4	50.1	33.0	32.3	17.7

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
R Associated value is unusable.
U Not detected.

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TABLE 4.1-7 (cont.)

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SS14	SS15	SS16	SS17
	03/12/92	03/07/92	03/07/92	03/07/92
Arsenic, total	4.4	3.6 UJ	10.8 J	1.1 UJ
Cyanide, total	--	--	--	--
Aluminum	737	1730 J	3900 J	1250 J
Antimony	3.0 R	3.9 UJ	2.7 UJ	2.4 UJ
Barium	22.5 B	7.7 BJ	59.4 J	7.4 BJ
Beryllium	0.10 U	0.18 U	0.82 B	0.15 U
Cadmium	0.82 UJ	1.0 U	1.1 B	0.65 U
Calcium	923 B	34300	35200	22900
Chromium, total	3.0	25.5	10.2	4.4 U
Cobalt	1.6 B	3.0 B	5.3 B	2.0 B
Copper	18.3	13.1	22.3	5.9
Iron	2260	4340	4880	4210
Lead	5.1 J	3.8	10.5	4.7
Magnesium	284 B	17900	13500	12200
Manganese	26.5 J	157	49.8	102
Mercury	0.090	0.11 U	0.18	0.07 U
Nickel	4.3 U	4.7 B	12.2	4.9 B
Potassium	197 U	370 B	430 B	210 B
Selenium	2.2 J	0.46 U	0.57 B	0.29 U
Silver	0.48 U	0.62 U	0.61 B	0.50 B
Sodium	337 U	450 U	466 U	340 U
Thallium	2.3 U	0.59 U	0.42 U	0.37 U
Vanadium	2.0 B	9.8 B	10.5 B	7.1 B
Zinc	28.7	29.4	21.9	163

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
R Associated value is unusable.
U Not detected.

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TABLE 4.1-8

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SC01	SC02	SS01	SS02		SS03	SS04	SS05
	03/07/92	03/07/92	03/10/92	03/06/92 Sample	03/06/92 Duplicate	03/06/92	03/06/92	03/06/92
BETX COMPOUNDS								
Benzene	12 U	15 U	12 U	12 U	12 U	1 J	13 UJ	12 U
Ethyl Benzene	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Toluene	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Xylenes	12 U	2 J	12 U	4 J	5 J	12 U	5 J	12 U
Sum of BETX	ND	2 a	ND	4 a	5 a	1 a	5 a	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Carbon Tetrachloride	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Chloroethane	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Chloroform	3 J	5 J	4 J	12 U	12 U	12 U	13 U	12 U
Chloromethane	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Chlorobenzene	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Chlorodibromomethane	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
1,1-Dichloroethane	1 J	15 U	12 U	12 U	12 U	12 U	13 U	12 U
1,2-Dichloroethane	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
1,1-Dichloroethylene	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
1,2-Dichloroethylene	4 J	15 U	12 U	12 U	12 U	12 U	13 U	12 U
1,2-Dichloropropane	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Cis-1,3-Dichloro-1-propene	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Trans-1,3-Dichloro-1-propene	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Methylene Chloride	12 U	76 U	12 U	33 U	49 U	72 J	120 J	20 U
Styrene	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
1,1,2,2-Tetrachloroethane	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Tetrachloroethylene	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
1,1,1-Trichloroethane	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
1,1,2-Trichloroethane	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Trichloroethylene	12 U	2 J	12 U	12 U	12 U	12 U	13 U	12 U
Vinyl Chloride	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
OTHER COMPOUNDS								
Acetone	12 U	28 U	12 U	36 U	37 U	16 U	29 J	12 U
Bromoform	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Bromomethane	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Carbondisulfide	12 U	5 J	12 U	3 J	4 J	6 J	7 J	12 U
2-Hexanone	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Methyl Ethyl Ketone	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U
Methyl Isobutyl Ketone	12 U	15 U	12 U	12 U	12 U	12 U	13 U	12 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-8 (cont.)

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SS06	SS07	SS08	SS09	SS10	SS11	SS12	SS13
	03/11/92	03/10/92	03/11/92	03/11/92	03/11/92	03/11/92	03/11/92	03/12/92
BETX COMPOUNDS								
Benzene	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Ethyl Benzene	13 U	3 J	17 U	12 U	12 U	11 U	12 U	11 U
Toluene	13 U	1 J	17 U	12 U	12 U	11 U	12 U	11 U
Xylenes	13 U	10 J	17 U	12 U	12 U	11 U	12 U	11 U
Sum of BETX	ND	14 a	ND	ND	ND	ND	ND	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Carbon Tetrachloride	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Chloroethane	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Chloroform	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Chloromethane	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Chlorobenzene	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Chlorodibromomethane	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
1,1-Dichloroethane	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
1,2-Dichloroethane	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
1,1-Dichloroethylene	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
1,2-Dichloroethylene	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
1,2-Dichloropropane	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Cis-1,3-Dichloro-1-propene	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Trans-1,3-Dichloro-1-propene	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Methylene Chloride	20 U	18 U	71 U	22 U	12 U	11 U	17 U	11 U
Styrene	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
1,1,2,2-Tetrachloroethane	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Tetrachloroethylene	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
1,1,1-Trichloroethane	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
1,1,2-Trichloroethane	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Trichloroethylene	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Vinyl Chloride	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
OTHER COMPOUNDS								
Acetone	17 U	31 U	21 U	12 U	12 U	16 U	20 U	25 U
Bromoform	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Bromomethane	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Carbondisulfide	13 U	12 U	4 J	12 U	12 U	11 U	12 U	11 U
2-Hexanone	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U
Methyl Ethyl Ketone	13 U	12 J	13 J	12 U	12 U	9 J	12 U	10 J
Methyl Isobutyl Ketone	13 U	12 U	17 U	12 U	12 U	11 U	12 U	11 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-8 (cont.)

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SS14	SS15	SS16	SS17
	03/12/92	03/07/92	03/07/92	03/07/92
BETX COMPOUNDS				
Benzene	35	12 U	12 U	11 U
Ethyl Benzene	5 J	12 U	12 U	11 U
Toluene	7 J	12 U	12 U	11 U
Xylenes	47	2 J	12 U	1 J
Sum of BETX	94 a	2 a	ND	1 a
CHLORINATED COMPOUNDS				
Bromodichloromethane	14 U	12 U	12 U	11 U
Carbon Tetrachloride	14 U	12 U	12 U	11 U
Chloroethane	14 U	12 U	12 U	11 U
Chloroform	14 U	12 U	4 J	11 U
Chloromethane	14 U	12 U	12 U	11 U
Chlorobenzene	14 U	12 U	12 U	11 U
Chlorodibromomethane	14 U	12 U	12 U	11 U
1,1-Dichloroethane	14 U	12 U	12 U	11 U
1,2-Dichloroethane	14 U	12 U	12 U	11 U
1,1-Dichloroethylene	14 U	12 U	12 U	11 U
1,2-Dichloroethylene	14 U	12 U	12 U	11 U
1,2-Dichloropropane	14 U	12 U	12 U	11 U
Cis-1,3-Dichloro-1-propene	14 U	12 U	12 U	11 U
Trans-1,3-Dichloro-1-propene	14 U	12 U	12 U	11 U
Methylene Chloride	26 U	36 U	17 U	38 U
Styrene	5 J	12 U	12 U	11 U
1,1,2,2-Tetrachloroethane	14 U	12 U	12 U	11 U
Tetrachloroethylene	14 U	12 U	12 U	11 U
1,1,1-Trichloroethane	6 J	12 U	12 U	11 U
1,1,2-Trichloroethane	14 U	12 U	12 U	11 U
Trichloroethylene	14 U	12 U	1 J	11 U
Vinyl Chloride	14 U	12 U	12 U	11 U
OTHER COMPOUNDS				
Acetone	28 U	21 U	12 U	16 U
Bromoform	14 U	12 U	12 U	11 U
Bromomethane	14 U	12 U	12 U	11 U
Carbondisulfide	3 J	12 U	2 J	3 J
2-Hexanone	14 U	12 U	12 U	11 U
Methyl Ethyl Ketone	13 J	12 U	12 U	11 U
Methyl Isobutyl Ketone	14 U	12 U	12 U	11 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-9

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SC01	SC02	SS01	SS02		SS03	SS04	SS05
	03/07/92	03/07/92	03/10/92	03/06/92 Sample	03/06/92 Duplicate	03/06/92	03/06/92	03/06/92
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	410 U	930	380 U	96 J	69 J	200 J	190 J	2100
Benzo(b)fluoranthene	410 U	650	380 U	100 J	74 J	150 J	180 J	1200
Benzo(k)fluoranthene	410 U	670	380 U	150 J	90 J	150 J	170 J	1300
Benzo(a)pyrene	410 U	590	380 U	82 J	49 J	130 J	130 J	1000
Carbazole	410 U	270 J	380 U	110 J	390 U	71 J	46 J	380 J
Chrysene	410 U	1200	40 J	180 J	99 J	300 J	340 J	2300
Dibenzo(ah)anthracene	410 U	110 J	380 U	390 U	390 U	430 U	44 J	340 J
Indeno(1,2,3,cd)pyrene	410 U	330 J	380 U	83 J	56 J	72 J	110 J	700
Sum of Carcinogens	ND	4750 a	40 a	801 a	437 a	1073 a	1210 a	9320 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	410 U	47 J	380 U	390 U	390 U	430 U	390 U	220 J
Acenaphthylene	410 U	210 J	380 U	390 U	390 U	430 U	390 U	210 J
Anthracene	410 U	420 J	380 U	220 J	390 U	120 J	79 J	1700
Benzo(ghi)perylene	410 U	220 J	380 U	62 J	41 J	87 J	98 J	510
Dibenzofuran	410 U	240 J	380 U	390 U	390 U	260 J	96 J	260 J
Fluoranthene	43 J	1900	49 J	320 J	150 J	550	330 J	4700
Fluorene	410 U	550	380 U	390 U	390 U	430 U	42 J	330 J
2-Methylnaphthalene	410 U	150 J	380 U	390 U	390 U	430	150 J	230 J
Naphthalene	410 U	400 J	380 U	390 U	390 U	300 J	140 J	2000
Phenanthrene	410 U	1900	39 J	170 J	59 J	1800	770	2300
Pyrene	410 U	1300	41 J	240 J	120 J	410 J	300 J	3400
Sum of Non-Carcinogens	43 a	7337 a	129 a	1012 a	370 a	3957 a	2005 a	15860 a
Sum of Total PAH Compounds	43 a	12087 a	169 a	1813 a	807 a	5030 a	3215 a	25180 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
2-Chlorophenol	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
o-Cresol	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
p-Cresol	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
2,4-Dichlorophenol	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
2,4-Dimethylphenol	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
2,4-Dinitrophenol	990 U	1100 U	920 U	950 U	940 U	1000 U	950 U	960 U
2-Methyl-4,6-dinitrophenol	990 U	1100 U	920 U	950 U	940 U	1000 U	950 U	960 U
2-Nitrophenol	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
4-Nitrophenol	990 U	1100 U	920 U	950 U	940 U	1000 U	950 U	960 U
Pentachlorophenol	990 U	1100 U	920 U	950 U	940 U	1000 U	950 U	960 U
Phenol	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
2,4,5-Trichlorophenol	990 U	1100 U	920 U	950 U	940 U	1000 U	950 U	960 U
2,4,6-Trichlorophenol	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-9 (cont.)

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SC01	SC02	SS01	SS02		SS03	SS04	SS05
	03/07/92	03/07/92	03/10/92	03/06/92 Sample	03/06/92 Duplicate	03/06/92	03/06/92	03/06/92
OTHER SEMIVOLATILE ORGANIC COMPOUNDS								
Bis(2-chloroethoxy)methane	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
Bis(2-chloroethyl)ether	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
Bis(2-chloroisopropyl)ether	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
Bis(2-ethylhexyl)phthalate	51 J	440 U	380 U	390 U	390 U	110 J	390 U	400 U
4-Bromophenyl phenyl ether	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
Butyl benzyl phthalate	410 U	440 U	380 U	390 U	210 J	430 U	390 U	400 U
4-Chloroaniline	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
2-Chloronaphthalene	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
4-Chlorophenyl phenyl ether	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
Di-n-butyl phthalate	410 U	440 U	51 J	390 U	390 U	430 U	390 U	400 U
Di-n-octyl phthalate	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
1,2-Dichlorobenzene	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
1,3-Dichlorobenzene	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
1,4-Dichlorobenzene	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
3,3-Dichlorobenzidine	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
Diethyl phthalate	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
Dimethyl phthalate	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
2,4-Dinitrotoluene	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
2,6-Dinitrotoluene	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
Hexachlorobenzene	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
Hexachlorobutadiene	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
Hexachlorocyclopentadiene	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
Hexachloroethane	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
Isophorone	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
N-Nitrosodi-n-propylamine	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
N-Nitrosodiphenylamine	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
2-Nitroaniline	990 U	1100 U	920 U	950 U	940 U	1000 U	950 U	960 U
3-Nitroaniline	990 U	1100 U	920 U	950 U	940 U	1000 U	950 U	960 U
4-Nitroaniline	990 U	1100 U	920 U	950 U	940 U	1000 U	950 U	960 U
Nitrobenzene	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U
1,2,4-Trichlorobenzene	410 U	440 U	380 U	390 U	390 U	430 U	390 U	400 U

J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-9 (cont.)

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SS06	SS07	SS08	SS09	SS10	SS11	SS12	SS13
	03/11/92	03/10/92	03/11/92	03/11/92	03/11/92	03/11/92	03/11/92	03/12/92
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	58 J	390 U	4600	410 U	240 J	120 J	400 U	60 J
Benzo(b)fluoranthene	65 J	40 J	3500	410 U	260 J	150 J	400 U	68 J
Benzo(k)fluoranthene	68 J	45 J	2800	410 U	280 J	200 J	400 U	67 J
Benzo(a)pyrene	55 J	390 U	2900	410 U	190 J	120 J	400 U	51 J
Carbazole	400 U	390 U	2300	410 U	390 U	370 U	400 U	380 U
Chrysene	120 J	51 J	4800	410 U	300 J	220 J	400 U	94 J
Dibenzo(ah)anthracene	400 U	390 U	760 J	410 U	60 J	370 U	400 U	380 U
Indeno(1,2,3,cd)pyrene	400 U	390 U	2000	410 U	160 J	96 J	400 U	42 J
Sum of Carcinogens	366 a	136 a	23660 a	ND	1490 a	906 a	ND	382 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	400 U	150 J	210 J	410 U	390 U	370 U	400 U	380 U
Acenaphthylene	400 U	850	1900	410 U	390 U	43 J	400 U	380 U
Anthracene	400 U	390 U	3600	410 U	390 U	370 U	400 U	380 U
Benzo(ghi)perylene	400 U	390 U	1400 J	410 U	170 J	63 J	400 U	380 U
Dibenzofuran	400 U	52 J	1700 J	410 U	390 U	370 U	400 U	380 U
Fluoranthene	130 J	110 J	8600	410 U	380 J	370 J	400 U	160 J
Fluorene	400 U	390 U	3100	410 U	390 U	370 U	400 U	380 U
2-Methylnaphthalene	400 U	100 J	1300 J	410 U	390 U	370 U	400 U	380 U
Naphthalene	220 J	9400	5600	410 U	390 U	370 U	400 U	380 U
Phenanthrene	150 J	110 J	10000	410 U	150 J	80 J	400 U	100 J
Pyrene	100 J	48 J	6000	410 U	310 J	300 J	400 U	130 J
Sum of Non-Carcinogens	600 a	10820 a	43410 a	ND	1010 a	856 a	ND	390 a
Sum of Total PAH Compounds	966 a	10956 a	67070 a	ND	2500 a	1762 a	ND	772 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
2-Chlorophenol	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
o-Cresol	400 U	390 U	3000	410 U	390 U	370 U	400 U	380 U
p-Cresol	400 U	390 U	9300	410 U	390 U	370 U	400 U	380 U
2,4-Dichlorophenol	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
2,4-Dimethylphenol	400 U	390 U	910 J	410 U	390 U	370 U	400 U	380 U
2,4-Dinitrophenol	960 U	940 U	4600 U	990 U	940 U	900 U	960 U	930 U
2-Methyl-4,6-dinitrophenol	960 U	940 U	4600 U	990 U	940 U	900 U	960 U	930 U
2-Nitrophenol	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
4-Nitrophenol	960 U	940 U	4600 U	990 U	940 U	900 U	960 U	930 U
Pentachlorophenol	960 U	940 U	4600 U	990 U	940 U	900 U	960 U	930 U
Phenol	400 U	390 U	14000	410 U	390 U	370 U	400 U	380 U
2,4,5-Trichlorophenol	960 U	940 U	4600 U	990 U	940 U	900 U	960 U	930 U
2,4,6-Trichlorophenol	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-9 (cont.)

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SS06	SS07	SS08	SS09	SS10	SS11	SS12	SS13
	03/11/92	03/10/92	03/11/92	03/11/92	03/11/92	03/11/92	03/11/92	03/12/92
OTHER SEMIVOLATILE ORGANIC COMPOUNDS								
Bis(2-chloroethoxy)methane	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
Bis(2-chloroethyl)ether	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
Bis(2-chloroisopropyl)ether	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
Bis(2-ethylhexyl)phthalate	400 U	390 U	1900 U	410 U	280 J	350 J	85 J	300 J
4-Bromophenyl phenyl ether	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
Butyl benzyl phthalate	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
4-Chloroaniline	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
2-Chloronaphthalene	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
4-Chlorophenyl phenyl ether	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
Di-n-butyl phthalate	400 U	50 J	1900 U	410 U	390 U	370 U	400 U	380 U
Di-n-octyl phthalate	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
1,2-Dichlorobenzene	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
1,3-Dichlorobenzene	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
1,4-Dichlorobenzene	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
3,3-Dichlorobenzidine	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
Diethyl phthalate	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
Dimethyl phthalate	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
2,4-Dinitrotoluene	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
2,6-Dinitrotoluene	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
Hexachlorobenzene	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
Hexachlorobutadiene	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
Hexachlorocyclopentadiene	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
Hexachloroethane	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
Isophorone	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
N-Nitrosodi-n-propylamine	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
N-Nitrosodiphenylamine	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
2-Nitroaniline	960 U	940 U	4600 U	990 U	940 U	900 U	960 U	930 U
3-Nitroaniline	960 U	940 U	4600 U	990 U	940 U	900 U	960 U	930 U
4-Nitroaniline	960 U	940 U	4600 U	990 U	940 U	900 U	960 U	930 U
Nitrobenzene	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U
1,2,4-Trichlorobenzene	400 U	390 U	1900 U	410 U	390 U	370 U	400 U	380 U

J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.

U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-9 (cont.)

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SS14	SS15	SS16	SS17
	03/12/92	03/07/92	03/07/92	03/07/92
CARCINOGENIC COMPOUNDS				
Benzo(a)anthracene	30000	400	45 J	3300
Benzo(b)fluoranthene	21000	650	64 J	3000
Benzo(k)fluoranthene	22000	630	53 J	1400
Benzo(a)pyrene	21000	490	400 U	1900
Carbazole	18000	45 J	400 U	1800
Chrysene	26000	570	110 J	3800
Dibenzo(ah)anthracene	4300 J	120 J	400 U	550
Indeno(1,2,3,cd)pyrene	12000	410	400 U	1400
Sum of Carcinogens	154300 a	3315 a	272 a	17150 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS				
Acenaphthene	3000 J	370 U	400 U	610
Acenaphthylene	24000	170 J	400 U	760
Anthracene	31000	160 J	400 U	3800
Benzo(ghi)perylene	7500 J	270 J	46 J	920
Dibenzofuran	20000	370 U	400 U	840
Fluoranthene	64000	850	140 J	8000
Fluorene	37000	370 U	400 U	1500
2-Methylnaphthalene	15000	370 U	93 J	380
Naphthalene	43000	370 U	130 J	290 J
Phenanthrene	220000	160 J	160 J	1400
Pyrene	50000	640	120 J	7000
Sum of Non-Carcinogens	514500 a	2250 a	689 a	25500 a
Sum of Total PAH Compounds	668800 a	5565 a	961 a	42650 a
PHENOLIC COMPOUNDS				
4-Chloro-3-methylphenol	9200 U	370 U	400 U	370 U
2-Chlorophenol	9200 U	370 U	400 U	370 U
o-Cresol	9200 U	370 U	400 U	370 U
p-Cresol	1200 J	370 U	400 U	370 U
2,4-Dichlorophenol	9200 U	370 U	400 U	370 U
2,4-Dimethylphenol	9200 U	370 U	400 U	370 U
2,4-Dinitrophenol	22000 U	890 U	980 U	910 U
2-Methyl-4,6-dinitrophenol	22000 U	890 U	980 U	910 U
2-Nitrophenol	9200 U	370 U	400 U	370 U
4-Nitrophenol	22000 U	890 U	980 U	910 U
Pentachlorophenol	22000 U	890 U	980 U	910 U
Phenol	1200 J	63 J	400 U	62 J
2,4,5-Trichlorophenol	22000 U	890 U	980 U	910 U
2,4,6-Trichlorophenol	9200 U	370 U	400 U	370 U

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a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-9 (cont.)

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SS14	SS15	SS16	SS17
	03/12/92	03/07/92	03/07/92	03/07/92
OTHER SEMIVOLATILE ORGANIC COMPOUNDS				
Bis(2-chloroethoxy)methane	9200 U	370 U	400 U	370 U
Bis(2-chloroethyl)ether	9200 U	370 U	400 U	370 U
Bis(2-chloroisopropyl)ether	9200 U	370 U	400 U	370 U
Bis(2-ethylhexyl)phthalate	9200 U	48 J	62 J	370 U
4-Bromophenyl phenyl ether	9200 U	370 U	400 U	370 U
Butyl benzyl phthalate	9200 U	370 U	400 U	370 U
4-Chloroaniline	9200 U	370 U	400 U	370 U
2-Chloronaphthalene	9200 U	370 U	400 U	370 U
4-Chlorophenyl phenyl ether	9200 U	370 U	400 U	370 U
Di-n-butyl phthalate	9200 U	370 U	400 U	370 U
Di-n-octyl phthalate	9200 U	370 U	400 U	370 U
1,2-Dichlorobenzene	9200 U	370 U	400 U	370 U
1,3-Dichlorobenzene	9200 U	370 U	400 U	370 U
1,4-Dichlorobenzene	9200 U	370 U	400 U	370 U
3,3-Dichlorobenzidine	9200 U	370 U	400 U	370 U
Diethyl phthalate	9200 U	370 U	400 U	370 U
Dimethyl phthalate	9200 U	370 U	400 U	370 U
2,4-Dinitrotoluene	9200 U	370 U	400 U	370 U
2,6-Dinitrotoluene	9200 U	370 U	400 U	370 U
Hexachlorobenzene	9200 U	370 U	400 U	370 U
Hexachlorobutadiene	9200 U	370 U	400 U	370 U
Hexachlorocyclopentadiene	9200 U	370 U	400 U	370 U
Hexachloroethane	9200 U	370 U	400 U	370 U
Isophorone	9200 U	370 U	400 U	370 U
N-Nitrosodi-n-propylamine	9200 U	370 U	400 U	370 U
N-Nitrosodiphenylamine	9200 U	370 U	400 U	370 U
2-Nitroaniline	22000 U	890 U	980 U	910 U
3-Nitroaniline	22000 U	890 U	980 U	910 U
4-Nitroaniline	22000 U	890 U	980 U	910 U
Nitrobenzene	9200 U	370 U	400 U	370 U
1,2,4-Trichlorobenzene	9200 U	370 U	400 U	370 U

J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-10

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/kg)

	SC01	SC02	SS01	SS02		SS03	SS04	SS05
	03/07/92	03/07/92	03/10/92	03/06/92 Sample	03/06/92 Duplicate	03/06/92	03/06/92	03/06/92
PESTICIDES								
Aldrin	2.1 U	12 U	2.0 U	2.0 U	2.0 U	2.2 U	4.0 U	2.0 U
a-BHC	2.1 U	12 U	2.0 U	2.0 U	2.0 U	2.2 U	4.0 U	2.0 U
b-BHC	2.1 U	12 U	2.0 U	2.0 U	2.0 U	2.2 U	4.0 U	2.0 U
d-BHC	2.1 U	12 U	2.0 U	2.0 U	2.0 U	2.2 U	4.0 U	2.0 U
g-BHC (Lindane)	2.1 U	12 U	2.0 U	2.0 U	2.0 U	2.2 U	4.0 U	2.0 U
Alpha Chlordane	2.1 U	12 U	2.0 U	2.0 U	2.0 U	2.2 U	4.0 U	2.0 U
Gamma Chlordane	2.1 U	12 U	2.0 U	2.0 U	2.0 U	2.2 U	4.0 U	2.0 U
4,4'-DDD	4.1 U	22 U	3.8 U	3.9 U	3.9 U	4.3 U	7.9 U	4.0 U
4,4'-DDE	4.1 U	22 U	3.8 U	3.9 U	3.9 U	4.3 U	7.9 U	4.0 U
4,4'-DDT	4.1 U	22 U	3.8 U	3.9 U	3.9 U	4.3 U	7.9 U	4.0 U
Dieldrin	4.1 U	22 U	3.8 U	3.9 U	3.9 U	4.3 U	7.9 U	4.0 U
Endosulfan I	2.1 U	12 U	2.0 U	2.0 U	2.0 U	2.2 U	4.0 U	2.0 U
Endosulfan II	4.1 U	22 U	3.8 U	3.9 U	3.9 U	4.3 U	7.9 U	4.0 U
Endosulfan Sulfate	4.1 U	22 U	3.8 U	3.9 U	3.9 U	4.3 U	7.9 U	4.0 U
Endrin	4.1 U	22 U	3.8 U	3.9 U	3.9 U	4.3 U	7.9 U	4.0 U
Endrin Aldehyde	4.1 U	22 U	3.8 U	3.9 U	3.9 U	4.3 U	7.9 U	4.0 U
Endrin Ketone	4.1 U	22 U	3.8 U	3.9 U	3.9 U	4.3 U	7.9 U	4.0 U
Heptachlor	2.1 U	12 U	2.0 U	2.0 U	2.0 U	2.2 U	4.0 U	2.0 U
Heptachlor Epoxide	2.1 U	12 U	2.0 U	2.0 U	2.0 U	2.2 U	4.0 U	2.0 U
Methyloxyclor	21 U	120 U	20 U	20 U	20 U	22 U	40 U	20 U
Toxaphene	210 U	1200 U	200 U	200 U	200 U	220 U	400 U	200 U
PCBs								
PCB-1016	41 U	220 U	38 U	39 U	39 U	43 U	79 U	40 U
PCB-1221	83 U	440 U	78 U	80 U	79 U	87 U	160 U	81 U
PCB-1232	41 U	220 U	38 U	39 U	39 U	43 U	79 U	40 U
PCB-1242	41 U	220 U	38 U	39 U	39 U	43 U	79 U	40 U
PCB-1248	41 U	220 U	160 P	39 U	39 U	490	79 U	790 P
PCB-1254	41 U	220 U	38 U	39 U	39 U	43 U	79 U	40 U
PCB-1260	41 U	220 U	38 U	39 U	39 U	43 U	79 U	40 U

P Greater than 25 percent difference for detected concentrations between primary and confirmation GC columns. Result reported is the lower of the two values.

U Not detected.

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TABLE 4.1-10 (cont.)

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/kg)

	SS06	SS07	SS08	SS09	SS10	SS11	SS12	SS13
	03/11/92	03/10/92	03/11/92	03/11/92	03/11/92	03/11/92	03/11/92	03/12/92
PESTICIDES								
Aldrin	2.0 U	10 U	12 U	2.1 U	6.0 U	1.9 U	2.0 U	2.0 U
a-BHC	2.0 U	10 U	12 U	2.1 U	6.0 U	1.9 U	2.0 U	2.0 U
b-BHC	2.0 U	10 U	12 U	2.1 U	6.0 U	1.9 U	2.0 U	2.0 U
d-BHC	2.0 U	10 U	12 U	2.1 U	6.0 U	1.9 U	2.0 U	2.0 U
g-BHC (Lindane)	2.0 U	10 U	12 U	2.1 U	6.0 U	1.9 U	2.0 U	2.0 U
Alpha Chlordane	2.0 U	10 U	12 U	2.1 U	6.0 U	1.9 U	2.0 U	2.0 U
Gamma Chlordane	2.0 U	10 U	12 U	2.1 U	6.0 U	1.9 U	2.0 U	2.0 U
4,4'-DDD	4.0 U	20 U	24 U	4.1 U	12 U	3.7 U	4.0 U	3.8 U
4,4'-DDE	4.0 U	20 U	24 U	4.1 U	12 U	3.7 U	4.0 U	3.8 U
4,4'-DDT	4.0 U	20 U	24 U	4.1 U	12 U	3.7 U	4.0 U	3.8 U
Dieldrin	4.0 U	20 U	24 U	4.1 U	12 U	3.7 U	4.0 U	3.8 U
Endosulfan I	2.0 U	10 U	12 U	2.1 U	6.0 U	1.9 U	2.0 U	2.0 U
Endosulfan II	4.0 U	20 U	24 U	4.1 U	12 U	3.7 U	4.0 U	3.8 U
Endosulfan Sulfate	4.0 U	20 U	24 U	4.1 U	12 U	3.7 U	4.0 U	3.8 U
Endrin	4.0 U	20 U	24 U	4.1 U	12 U	3.7 U	4.0 U	3.8 U
Endrin Aldehyde	4.0 U	20 U	24 U	4.1 U	12 U	3.7 U	4.0 U	3.8 U
Endrin Ketone	4.0 U	20 U	24 U	4.1 U	12 U	3.7 U	4.0 U	3.8 U
Heptachlor	2.0 U	10 U	12 U	2.1 U	6.0 U	1.9 U	2.0 U	2.0 U
Heptachlor Epoxide	2.0 U	10 U	12 U	2.1 U	6.0 U	1.9 U	2.0 U	2.0 U
Methyloxyclor	20 UJ	100 U	120 UJ	21 UJ	60 UJ	19 UJ	20 UJ	20 UJ
Toxaphene	1000 U	1000 U	6000 U	210 U	600 U	190 U	200 U	200 U
PCBs								
PCB-1016	200 U	200 U	1200 U	41 U	120 U	37 U	40 U	38 U
PCB-1221	400 U	400 U	2400 U	83 U	240 U	75 U	81 U	78 U
PCB-1232	200 U	200 U	1200 U	41 U	120 U	37 U	40 U	38 U
PCB-1242	200 U	200 U	1200 U	41 U	120 U	37 U	40 U	38 U
PCB-1248	200 U	200 U	1200 U	41 U	120 U	37 U	40 U	38 U
PCB-1254	200 U	200 U	1200 U	41 U	120 U	37 U	40 U	38 U
PCB-1260	200 U	200 U	1200 U	41 U	120 U	37 U	40 U	38 U

J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
.008
01/24/94

TABLE 4.1-10 (cont.)

SOIL QUALITY DATA
SURFICIAL SOIL SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/kg)

	SS14	SS15	SS16	SS17
	03/12/92	03/07/92	03/07/92	03/07/92
PESTICIDES				
Aldrin	24 U	3.8 U	4.2 U	39 U
a-BHC	24 U	3.8 U	4.2 U	39 U
b-BHC	24 U	3.8 U	4.2 U	39 U
d-BHC	24 U	3.8 U	4.2 U	39 U
g-BHC (Lindane)	24 U	3.8 U	4.2 U	39 U
Alpha Chlordane	24 U	3.8 U	4.2 U	39 U
Gamma Chlordane	24 U	3.8 U	4.2 U	39 U
4,4'-DDD	46 U	7.4 U	8.0 U	75 U
4,4'-DDE	46 U	7.4 U	8.0 U	75 U
4,4'-DDT	46 U	7.4 U	8.0 U	75 U
Dieldrin	46 U	7.4 U	8.0 U	75 U
Endosulfan I	24 U	3.8 U	4.2 U	39 U
Endosulfan II	46 U	7.4 U	8.0 U	75 U
Endosulfan Sulfate	46 U	7.4 U	8.0 U	75 U
Endrin	46 U	7.4 U	8.0 U	75 U
Endrin Aldehyde	46 U	7.4 U	8.0 U	75 U
Endrin Ketone	46 U	7.4 U	8.0 U	75 U
Heptachlor	24 U	3.8 U	4.2 U	39 U
Heptachlor Epoxide	24 U	3.8 U	4.2 U	39 U
Methyloxyclor	240 UJ	38 U	42 U	390 U
Toxaphene	12000 U	380 U	420 U	3900 U
PCBs				
PCB-1016	2300 U	74 U	80 U	750 U
PCB-1221	4600 U	140 U	160 U	1500 U
PCB-1232	2300 U	74 U	80 U	750 U
PCB-1242	2300 U	74 U	80 U	750 U
PCB-1248	2300 U	74 U	200 P	750 U
PCB-1254	2300 U	74 U	80 U	750 U
PCB-1260	2300 U	74 U	80 U	750 U

J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
P Greater than 25 percent difference for detected concentrations between primary and secondary columns. Result reported is the lower of the two values.
U Not detected.

.008
01/24/94

TABLE 4.1-11

SOIL QUALITY DATA
GROUND SURFACE SOIL SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	GS01		GS02	GS03	GS04	GS05	GS06	GS07
	09/01/93 Sample	09/01/93 Duplicate	09/01/93	08/31/93	09/01/93	08/31/93	09/01/93	08/31/93
Arsenic, total	4.5 J	5.2 J	8.2 J	34.8 J	2.6 J	3.1 J	1.2 BJ	164 J
Cyanide, total	0.12 U	0.41 U	0.24 U	1.5 U	0.15 U	1.0 U	0.51 U	388
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.69 U	0.93 B	0.90 B	0.65 U	3.5	1.8	0.61 U	1.2 B
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	22.7	19.1	32.3	79.4	12.5	25.6	13.2	99.0
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.09 U	0.10	0.08 U	10.3	0.02 U	0.02 U	0.02 U	5.7
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.49 UJ	0.55 BJ	0.57 UJ	0.54 BJ	0.43 UJ	0.75 BJ	0.44 UJ	4.9 J
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
3,.001
03/27/94

TABLE 4.1-11 (cont.)

SOIL QUALITY DATA
GROUND SURFACE SOIL SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	GS08	GS09	GS10	GS11		GS12	GS13	GS14
	08/31/93	08/31/93	08/31/93	08/31/93 Sample	08/31/93 Duplicate	08/31/93	08/31/93	08/31/93
Arsenic, total	87.8 J	3.9 J	2.4 J	54.3 J	27.9 J	18.6 J	4.1 J	4.2 J
Cyanide, total	1.8 U	0.10 U	0.99 U	0.64 U	1.9 U	0.90 U	0.51 U	0.10 U
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	1.4	0.62 U	0.61 U	0.65 U	0.64 U	0.65 U	0.62 U	0.60 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	76.8	4.5	5.7	128	39.1	11.3	10.9	4.2
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.97	0.02 U	0.02 U	0.28	0.30	0.02 U	0.02 U	0.02 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	2.6 J	0.45 UJ	0.44 UJ	0.65 BJ	0.46 UJ	0.47 UJ	0.44 UJ	0.43 UJ
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
3,.001
03/27/94

TABLE 4.1-11 (cont.)

SOIL QUALITY DATA
GROUND SURFACE SOIL SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	GS15	GS16	GS17
	08/31/93	08/31/93	09/01/93
Arsenic, total	20.2 J	5.2 J	6.2 J
Cyanide, total	4.5	0.20 U	0.53 U
Aluminum	--	--	--
Antimony	--	--	--
Barium	--	--	--
Beryllium	--	--	--
Cadmium	0.66 U	0.69 U	0.65 U
Calcium	--	--	--
Chromium, total	--	--	--
Cobalt	--	--	--
Copper	--	--	--
Iron	--	--	--
Lead	49.9	19.2	17.6
Magnesium	--	--	--
Manganese	--	--	--
Mercury	0.73	0.02 U	0.04 U
Nickel	--	--	--
Potassium	--	--	--
Selenium	1.3 J	1.3 J	0.47 UJ
Silver	--	--	--
Sodium	--	--	--
Thallium	--	--	--
Vanadium	--	--	--
Zinc	--	--	--

-- Not analyzed.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
3,.001
03/27/94

TABLE 4.1-12

SOIL QUALITY DATA
GROUND SURFACE SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	GS01		GS02	GS03	GS04	GS05	GS06	GS07
	09/01/93 Sample	09/01/93 Duplicate	09/01/93	08/31/93	09/01/93	08/31/93	09/01/93	08/31/93
BETX COMPOUNDS								
Benzene	1.1 U	1.2 U	1.4 U	1.1 U	1.0 U	1.2 U	1.0 U	1.3 U
Ethyl Benzene	1.1 U	1.2 U	1.4 U	1.1 U	1.0 U	1.2 U	1.0 U	1.3 U
Toluene	0.5 J	1.2 U	0.3 J	1.1 UJ	1.0 U	1.2 UJ	1.0 U	1.3 UJ
m & p Xylene	2.3 U	2.5 UJ	2.8 U	2.2 U	2.1 U	2.5 U	2.1 UJ	2.6 U
o-Xylene	1.1 U	1.2 U	1.4 U	1.1 U	1.0 U	1.2 U	1.0 U	1.3 U
Sum of BETX	0.5 a	ND	0.3 a	ND	ND	ND	ND	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-12 (cont.)

SOIL QUALITY DATA
GROUND SURFACE SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	GS08	GS09	GS10	GS11		GS12	GS13	GS14
	08/31/93	08/31/93	08/31/93	08/31/93 Sample	08/31/93 Duplicate	08/31/93	08/31/93	08/31/93
BETX COMPOUNDS								
Benzene	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U
Ethyl Benzene	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U
Toluene	1.3 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.1 U	1.1 U	1.0 U
m & p Xylene	2.6 U	2.2 U	2.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.1 U
o-Xylene	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U
Sum of BETX	ND	ND	ND	ND	ND	ND	ND	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-12 (cont.)

SOIL QUALITY DATA
GROUND SURFACE SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	GS15	GS16	GS17
	08/31/93	08/31/93	09/01/93
BETX COMPOUNDS			
Benzene	0.2 J	0.3 J	1.1 U
Ethyl Benzene	0.2 J	1.2 U	1.1 U
Toluene	0.3 J	0.4 J	1.1 U
m & p Xylene	0.3 J	0.4 J	2.2 UJ
o-Xylene	1.1 U	0.3 J	1.1 U
Sum of BETX	1.0 a	1.4 a	ND
CHLORINATED COMPOUNDS			
Bromodichloromethane	--	--	--
Carbon Tetrachloride	--	--	--
Chloroethane	--	--	--
Chloroform	--	--	--
Chloromethane	--	--	--
Chlorobenzene	--	--	--
Chlorodibromomethane	--	--	--
1,1-Dichloroethane	--	--	--
1,2-Dichloroethane	--	--	--
1,1-Dichloroethylene	--	--	--
1,2-Dichloroethylene	--	--	--
1,2-Dichloropropane	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--
Methylene Chloride	--	--	--
Styrene	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--
Tetrachloroethylene	--	--	--
1,1,1-Trichloroethane	--	--	--
1,1,2-Trichloroethane	--	--	--
Trichloroethylene	--	--	--
Vinyl Chloride	--	--	--
OTHER COMPOUNDS			
Acetone	--	--	--
Bromoform	--	--	--
Bromomethane	--	--	--
Carbondisulfide	--	--	--
2-Hexanone	--	--	--
Methyl Ethyl Ketone	--	--	--
Methyl Isobutyl Ketone	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-13

SOIL QUALITY DATA
GROUND SURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	GS01		GS02	GS03	GS04	GS05	GS06	GS07
	09/01/93 Sample	09/01/93 Duplicate	09/01/93	08/31/93	09/01/93	08/31/93	09/01/93	08/31/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	74 J	54 J	160 J	3000	43 U	340 J	43 U	5400 J
Benzo(b)fluoranthene	80 J	65 J	250 J	2800	30 U	450	31 U	13000
Benzo(k)fluoranthene	95 J	80 J	220 J	2400	58 U	390 J	59 U	11000 J
Benzo(a)pyrene	75 J	57 J	180 J	2300	44 U	340 J	44 U	8600 J
Carbazole	48 U	52 U	59 U	240 J	44 U	53 U	44 U	2200 J
Chrysene	94 J	75 J	210 J	2900	35 U	430	36 U	9300 J
Dibenzo(ah)anthracene	52 U	56 U	64 U	670 J	47 U	75 J	47 UJ	2900 J
Indeno(1,2,3,cd)pyrene	47 U	52 U	78 J	1000	43 U	140 J	43 U	5700 J
Sum of Carcinogens	418 a	331 a	1098 a	15310 a	ND	2165 a	ND	58100 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	42 U	45 U	52 U	82 U	38 U	46 U	38 U	48 U
Acenaphthylene	46 U	50 U	57 U	730 J	42 U	51 U	42 U	16000
Anthracene	39 U	42 U	48 U	460 J	35 U	52 J	35 U	2500 J
Benzo(ghi)perylene	46 U	50 U	69 J	840	42 U	120 J	42 U	5300 J
Dibenzofuran	45 U	49 U	56 U	260 J	41 U	49 U	41 U	4700 J
Fluoranthene	170 J	130 J	450 J	3400	47 U	500	48 U	13000
Fluorene	48 U	52 U	59 U	210 J	43 U	52 U	44 U	2200 J
2-Methylnaphthalene	54 U	59 U	67 U	290 J	49 U	59 U	50 U	2300 J
Naphthalene	51 U	55 U	63 U	640 J	46 U	100 J	46 U	37000
Phenanthrene	93 J	69 J	240 J	1900	39 U	290 J	40 U	28000
Pyrene	130 J	96 J	320 J	2900	42 U	480	43 U	10000 J
Sum of Non-Carcinogens	393 a	295 a	1079 a	11630 a	ND	1542 a	ND	121000 a
Sum of Total PAH Compounds	811 a	626 a	2177 a	26940 a	ND	3707 a	ND	179100 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	38 U	41 U	47 U	74 U	34 U	41 U	35 U	43 U
p-Cresol	41 U	44 U	50 U	79 U	37 U	45 U	37 U	46 U
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	250 U	270 U	310 U	490 U	230 U	280 U	230 U	290 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	49 U	53 U	61 U	96 U	44 U	54 U	45 U	56 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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TABLE 4.1-13 (cont.)

SOIL QUALITY DATA
GROUND SURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	GS08	GS09	GS10	GS11	
	08/31/93	08/31/93	08/31/93	08/31/93 Sample	08/31/93 Duplicate
CARCINOGENIC COMPOUNDS					
Benzo(a)anthracene	79000	750	52 J	8000	11000
Benzo(b)fluoranthene	62000	910	64 J	8600	8700
Benzo(k)fluoranthene	57000	780	66 J	7300	7500
Benzo(a)pyrene	46000	780	45 U	6900	7200
Carbazole	7900 J	110 J	45 U	560 J	2600 J
Chrysene	100000	1100	78 J	9400	12000
Dibenzo(ah)anthracene	19000 J	230 J	48 U	2900 J	3000 J
Indeno(1 2,3,cd)pyrene	26000 J	440	44 U	4600	4300
Sum of Carcinogens	396900 a	5100 a	260 a	48260 a	56300 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS					
Acenaphthene	4800 U	230 J	39 U	410 U	430 J
Acenaphthylene	8600 J	200 J	43 U	1700 J	3400 J
Anthracene	32000 J	370	36 U	1500 J	4200
Benzo(ghi)perylene	25000 J	370	43 U	4100	3800
Dibenzofuran	5100 U	260 J	42 U	760 J	2800 J
Fluoranthene	91000	1700	89 J	9100	15000
Fluorene	7500 J	200 J	45 U	590 J	6000
2-Methylnaphthalene	6200 U	150 J	51 U	910 J	2700 J
Naphthalene	5800 U	340 J	47 U	2500 J	3400 J
Phenanthrene	32000 J	750	41 J	4400	21000
Pyrene	81000	1200	84 J	7500	11000
Sum of Non-Carcinogens	277100 a	5770 a	214 a	33060 a	73730 a
Sum of Total PAH Compounds	674000 a	10870 a	474 a	81320 a	130030 a
PHENOLIC COMPOUNDS					
4-Chloro-3-methylphenol	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--
o-Cresol	4300 U	36 U	35 U	370 U	370 U
p-Cresol	4600 U	39 U	38 U	400 U	520 J
2,4-Dichlorophenol	--	--	--	--	--
2,4-Dimethylphenol	29000 U	240 U	240 U	2500 U	2500 U
2,4-Dinitrophenol	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--
Phenol	5600 U	47 U	46 U	480 U	480 U
2,4,5-Trichlorophenol	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--

-- Not analyzed.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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TABLE 4.1-13 (cont.)

SOIL QUALITY DATA
GROUND SURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	GS12	GS13	GS14	GS15	GS16	GS17
	08/31/93	08/31/93	08/31/93	08/31/93	08/31/93	09/01/93
CARCINOGENIC COMPOUNDS						
Benzo(a)anthracene	820	530	230 J	470000	1500	1600
Benzo(b)fluoranthene	720	530	230 J	390000	1600	1700
Benzo(k)fluoranthene	700	360 J	180 J	300000	1600	1000
Benzo(a)pyrene	690	380	170 J	320000	1200	1200
Carbazole	100 J	530	44 U	20000 J	220 J	160 J
Chrysene	900	680	270 J	470000	1900	1400
Dibenzo(ah)anthracene	180 J	73 J	47 U	88000 J	140 J	190 J
Indeno(1,2,3,cd)pyrene	320 J	120 J	79 J	130000	230 J	320 J
Sum of Carcinogens	4430 a	3203 a	1159 a	2188000 a	8390 a	7570 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS						
Acenaphthene	180 J	47 J	150 J	420 U	160 J	68 J
Acenaphthylene	150 J	96 J	42 U	96000 J	110 J	510
Anthracene	250 J	1200	120 J	91000 J	270 J	520
Benzo(ghi)perylene	260 J	96 J	74 J	89000 J	220 J	240 J
Dibenzofuran	120 J	210 J	100 J	450 U	420 J	140 J
Fluoranthene	1400	960	640	440000	2900	1800
Fluorene	150 J	300 J	55 J	31000 J	230 J	280 J
2-Methylnaphthalene	80 J	320 J	50 U	540 U	600 J	110 J
Naphthalene	310 J	1000	230 J	27000 J	460 J	230 J
Phenanthrene	770	1100	480	200000	4100	1200
Pyrene	1100	770	450	430000	2200	1400
Sum of Non-Carcinogens	4770 a	6099 a	2299 a	1404000 a	11670 a	6498 a
Sum of Total PAH Compounds	9200 a	9302 a	3458 a	3592000 a	20060 a	14068 a
PHENOLIC COMPOUNDS						
4-Chloro-3-methylphenol	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--
o-Cresol	34 U	60 J	35 U	380 U	78 U	37 U
p-Cresol	36 U	200 J	37 U	410 U	84 U	40 U
2,4-Dichlorophenol	--	--	--	--	--	--
2,4-Dimethylphenol	230 U	240 U	230 U	2500 U	520 U	250 U
2,4-Dinitrophenol	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--
Phenol	44 U	110 J	45 U	490 U	100 U	48 U
2,4,5-Trichlorophenol	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--

-- Not analyzed.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
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01/24/94

TABLE 4.1-14

SOIL QUALITY DATA
GROUND SURFACE SOIL SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/kg)

	GS05
	08/31/93
PESTICIDES	
Aldrin	200 U
a-BHC	200 U
b-BHC	200 U
d-BHC	200 U
g-BHC (Lindane)	200 U
Alpha Chlordane	200 U
Gamma Chlordane	200 U
4,4'-DDD	400 U
4,4'-DDE	400 U
4,4'-DDT	400 U
Dieldrin	400 U
Endosulfan I	200 U
Endosulfan II	400 U
Endosulfan Sulfate	400 U
Endrin	400 U
Endrin Aldehyde	400 U
Endrin Ketone	400 U
Heptachlor	200 U
Heptachlor Epoxide	200 U
Methyloxyclor	2000 U
Toxaphene	20000 U
PCBs	
PCB-1016	4000 U
PCB-1221	8100 U
PCB-1232	4000 U
PCB-1242	4000 U
PCB-1248	20000
PCB-1254	7900 P
PCB-1260	3200 J

J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
P Greater than 25 percent difference for detected concentrations between primary and confirmation GC columns. Result reported is the lower of the two values.
U Not detected.
3,.001
01/24/94

TABLE 4.1-15

SOIL QUALITY DATA
TEST TRENCH SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	TT0301	TT03W01	TT03W02	TT0602	TT0604	TT0701
	4'	4'	3.5'	4.5'	2.5'	4.5'
	---	---	---	---	---	---
	03/10/92	03/13/92	03/13/92	03/09/92	03/09/92	03/19/92
Arsenic, total	360	236	20.6	0.92 B	6.5	1820
Cyanide, total	8.0 J	956	--	--	--	13.7 J
Aluminum	--	--	1270	945	3230	637
Antimony	--	--	2.5 R	3.9 BJ	2.9 BJ	73.5 J
Barium	--	--	8.9 B	3.2 B	23.4 B	2.0 B
Beryllium	--	--	0.15 U	0.13 B	1.8	0.08 B
Cadmium	--	--	0.68 UJ	0.67 U	0.68 U	1.6 J
Calcium	--	--	29600	18700	25000	14400
Chromium, total	--	--	6.1	3.5 U	4.2 U	13.7
Cobalt	--	--	2.2 B	1.6 J	14.8 J	0.95 B
Copper	--	--	8.7	5.8	68.3	24.5
Iron	--	--	4420	2700	4370	1960
Lead	--	--	40.7 J	1.8 J	11.5 J	19.0 J
Magnesium	--	--	15300	9420	14700	1650
Manganese	--	--	138 J	88.3	61.1	27.6 J
Mercury	--	--	0.080	0.08 U	0.09 U	5.6
Nickel	--	--	3.7 U	4.2 B	15.7	3.5 B
Potassium	--	--	166 U	162 U	165 U	173 U
Selenium	--	--	3.8 J	0.30 B	1.9	1.5 UJ
Silver	--	--	0.40 U	0.39 U	0.40 U	0.42 U
Sodium	--	--	3200	274 UJ	286 UJ	246 U
Thallium	--	--	0.25 UJ	0.25 U	0.25 U	0.40 U
Vanadium	--	--	6.7 B	5.5 B	6.0 B	3.6 B
Zinc	--	--	41.0	80.5	33.9	21.0

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
R Unusable.
U Not detected.

3,.011
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TABLE 4.1-15 (cont.)

SOIL QUALITY DATA
TEST TRENCH SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	TT08A01	TT1001		TT1402	TT2502		TT2503
	5'	7'		4'	2'		3'
	03/21/92	03/21/92 Sample	03/21/92 Duplicate	03/18/92	10/06/93 Sample	10/06/93 Duplicate	10/08/93
Arsenic, total	304	191	318	38.0	115 J	50.0 J	1720 J
Cyanide, total	52.4 J	1.3 BJ	2.5 BJ	28.5 J	27.3 J	26.0 J	1390 J
Aluminum	--	--	--	7860	--	--	35.6 B
Antimony	--	--	--	2.7 R	--	--	101 J
Barium	--	--	--	57.4	--	--	7.9 B
Beryllium	--	--	--	0.38 U	--	--	0.06 U
Cadmium	--	--	--	4.4 J	0.76 U	0.71 U	2.3
Calcium	--	--	--	23700	--	--	599 B
Chromium, total	--	--	--	15.6	--	--	1.4 B
Cobalt	--	--	--	7.9 B	--	--	0.75 U
Copper	--	--	--	20.8	--	--	6.7 B
Iron	--	--	--	16300	--	--	844
Lead	--	--	--	15.3 J	127 J	454 J	14.2
Magnesium	--	--	--	14700	--	--	123 B
Manganese	--	--	--	384 J	--	--	2.4 B
Mercury	--	--	--	0.24	7.1	8.0	5.0
Nickel	--	--	--	16.2	--	--	3.4 U
Potassium	--	--	--	777 B	--	--	346 B
Selenium	--	--	--	4.2 J	2.0 J	1.9 J	5.8 J
Silver	--	--	--	0.43 U	--	--	0.64 U
Sodium	--	--	--	319 U	--	--	396 B
Thallium	--	--	--	0.46 B	--	--	0.55 U
Vanadium	--	--	--	20.1	--	--	0.99 B
Zinc	--	--	--	75.6	--	--	7.0 B

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
R Unusable.
U Not detected.

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TABLE 4.1-16

SOIL QUALITY DATA
TEST TRENCH SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	TT0102	TT0204	TT0301	TT0302	TT0303	TT03W01	TT03W02	TT05E01
	4'	2.5'	4'	4'	4'	4'	3.5'	5'
	03/06/92	03/05/92	03/10/92	03/10/92	03/11/92	03/13/92	03/13/92	03/10/92
BETX COMPOUNDS								
Benzene	1500 UJ	13 U	430	540 J	13 U	18000 J	62000 J	12 U
Ethyl Benzene	310 J	13 U	330	390 J	13 U	2700 J	15000	12 U
Toluene	330 J	13 U	970	960 J	13 U	8800 J	120000 J	12 U
Xylenes	9500 J	13 U	6200	6600	2 J	79000	280000	3 J
Sum of BETX	10140 a	ND	7930	8490 a	2 a	108500 a	477000 a	3 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Carbon Tetrachloride	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Chloroethane	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Chloroform	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Chloromethane	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Chlorobenzene	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Chlorodibromomethane	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
1,1-Dichloroethane	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
1,2-Dichloroethane	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
1,1-Dichloroethylene	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
1,2-Dichloroethylene	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
1,2-Dichloropropane	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Cis-1,3-Dichloro-1-propene	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Trans-1,3-Dichloro-1-propene	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Methylene Chloride	1500 U	85 J	350	2000 U	25 U	2900 U	4500 J	49 U
Styrene	1500 U	13 U	89 U	2000 U	13 U	2900 U	62000	12 U
1,1,2,2-Tetrachloroethane	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Tetrachloroethylene	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
1,1,1-Trichloroethane	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
1,1,2-Trichloroethane	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Trichloroethylene	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Vinyl Chloride	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
OTHER COMPOUNDS								
Acetone	1500 U	56 U	120	2000 U	55 U	2900 U	9400 U	18 U
Bromoform	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Bromomethane	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Carbondisulfide	1500 U	9 J	44 J	2000 U	13 U	640 J	9400 U	2 J
2-Hexanone	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U
Methyl Ethyl Ketone	1500 U	13 U	89 U	2000 U	33	2900 U	9400 U	8 J
Methyl Isobutyl Ketone	1500 U	13 U	89 U	2000 U	13 U	2900 U	9400 U	12 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-16 (cont.)

SOIL QUALITY DATA
TEST TRENCH SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	TT0602	TT0604	TT0703	TT0802	TT08A01	TT0902	TT1001	TT1201
	4.5'	2.5'	4.5'	4'	5'	6'	7'	4'
	03/09/92	03/09/92	03/19/92	03/21/92	03/21/92	03/11/92	03/21/92	03/18/92
BETX COMPOUNDS								
Benzene	60 U	11 U	1400 U	18 J	3 J	12 U	31000	600
Ethyl Benzene	35 J	11 U	360 J	72	13 U	12 U	4900	8800
Toluene	60 U	11 U	1300 J	120	3 J	1 J	58000	280
Xylenes	140	11 U	12000	1700	17	2 J	90000	89000
Sum of BETX	175 a	ND	13660 a	1910 a	23 a	3 a	183900	98680
CHLORINATED COMPOUNDS								
Bromodichloromethane	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Carbon Tetrachloride	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Chloroethane	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Chloroform	60 U	11 U	1400 U	11 J	13 U	12 U	2900 U	60 U
Chloromethane	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Chlorobenzene	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Chlorodibromomethane	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
1,1-Dichloroethane	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
1,2-Dichloroethane	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
1,1-Dichloroethylene	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
1,2-Dichloroethylene	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
1,2-Dichloropropane	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Cis-1,3-Dichloro-1-propene	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Trans-1,3-Dichloro-1-propene	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Methylene Chloride	80 U	96 U	1400 U	66 U	24 U	16 U	2900 U	93
Styrene	60 U	11 U	990 J	63 U	13 U	12 U	3700	60 U
1,1,2,2-Tetrachloroethane	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Tetrachloroethylene	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
1,1,1-Trichloroethane	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
1,1,2-Trichloroethane	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Trichloroethylene	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Vinyl Chloride	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
OTHER COMPOUNDS								
Acetone	150	23 U	1400 U	63 U	28 U	49 U	2900 U	150
Bromoform	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Bromomethane	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Carbondisulfide	60 U	5 J	1400 U	10 J	3 J	12 U	2900 U	13 J
2-Hexanone	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U
Methyl Ethyl Ketone	45 J	11 U	1400 U	63 U	13	37	2900 U	64
Methyl Isobutyl Ketone	60 U	11 U	1400 U	63 U	13 U	12 U	2900 U	60 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-16 (cont.)

SOIL QUALITY DATA
TEST TRENCH SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	TT1301	TT1402	TT1501		TT1602	TT1701	TT1901	TT2101
	4.5'	4'	5.5'		4.5'	4.5'	4.5'	4.5'
	03/16/92	03/18/92	03/17/92 Sample	03/17/92 Duplicate	03/12/92	03/12/92	03/17/92	03/16/92
BETX COMPOUNDS								
Benzene	11 U	1000 J	12 U	1 J	11 U	11 U	750	12 U
Ethyl Benzene	2 J	3100	12 U	12 U	11 U	11 U	610 J	12 U
Toluene	1 J	35 J	12 U	2 J	11 U	11 U	64 J	12 U
Xylenes	9 J	8000	12 U	6 J	11 U	11 U	1400 J	12 U
Sum of BETX	12 a	12135 a	ND	9 a	ND	ND	2824 a	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Carbon Tetrachloride	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Chloroethane	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Chloroform	11 U	63 U	12 U	12 U	11 U	11 U	13 J	12 U
Chloromethane	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Chlorobenzene	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Chlorodibromomethane	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
1,1-Dichloroethane	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
1,2-Dichloroethane	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
1,1-Dichloroethylene	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
1,2-Dichloroethylene	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
1,2-Dichloropropane	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Cis-1,3-Dichloro-1-propene	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Trans-1,3-Dichloro-1-propene	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Methylene Chloride	16 U	63 U	16 U	22 U	22 U	24 U	71 U	12 U
Styrene	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
1,1,2,2-Tetrachloroethane	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Tetrachloroethylene	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
1,1,1-Trichloroethane	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
1,1,2-Trichloroethane	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Trichloroethylene	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Vinyl Chloride	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
OTHER COMPOUNDS								
Acetone	19 U	63 U	23 U	87 U	24 U	34 U	130	12 U
Bromoform	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Bromomethane	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Carbondisulfide	2 J	63 U	12 U	1 J	2 J	2 J	9 J	12 U
2-Hexanone	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U
Methyl Ethyl Ketone	9 J	63 U	12 U	40	15	16	61 J	12 U
Methyl Isobutyl Ketone	11 U	63 U	12 U	12 U	11 U	11 U	64 U	12 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-16 (cont.)

SOIL QUALITY DATA
TEST TRENCH SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	TT2201 3.5'		TT2303 4'	TT2502 2'		TT2503 3'
	03/12/92 Sample	03/12/92 Duplicate	03/19/92	10/06/93 Sample	10/06/93 Duplicate	10/08/93
BETX COMPOUNDS						
Benzene	14 U	14 U	22000	1.4	3.0	15 J
Ethyl Benzene	14 U	14 U	64000	1.2 U	1.2 U	4 J
Toluene	14 U	14 U	140000	0.5 J	1.0 J	27
Xylenes	14 U	14 U	370000	--	--	120
m & p Xylene	--	--	--	0.3 J	0.6 J	--
o-Xylene	--	--	--	1.2 U	0.3 J	--
Sum of BETX	ND	ND	596000	2.2 a	4.9 a	166 a
CHLORINATED COMPOUNDS						
Bromodichloromethane	14 U	14 U	2900 U	--	--	20 U
Carbon Tetrachloride	14 U	14 U	2900 U	--	--	20 U
Chloroethane	14 U	14 U	2900 U	--	--	20 U
Chloroform	14 U	14 U	2900 U	--	--	20 U
Chloromethane	14 U	14 U	2900 U	--	--	20 UJ
Chlorobenzene	14 U	14 U	2900 U	--	--	20 U
Chlorodibromomethane	14 U	14 U	2900 U	--	--	20 U
1,1-Dichloroethane	14 U	14 U	2900 U	--	--	20 U
1,2-Dichloroethane	14 U	14 U	2900 U	--	--	20 U
1,1-Dichloroethylene	14 U	14 U	2900 U	--	--	20 U
1,2-Dichloroethylene	14 U	14 U	2900 U	--	--	20 U
1,2-Dichloropropane	14 U	14 U	2900 U	--	--	20 U
Cis-1,3-Dichloro-1-propene	14 U	14 U	2900 U	--	--	20 U
Trans-1,3-Dichloro-1-propene	14 U	14 U	2900 U	--	--	20 U
Methylene Chloride	42	83	2900 U	--	--	20
Styrene	14 U	14 U	2900 U	--	--	20 U
1,1,2,2-Tetrachloroethane	14 U	14 U	2900 U	--	--	20 U
Tetrachloroethylene	14 U	14 U	2900 U	--	--	20 U
1,1,1-Trichloroethane	14 U	6 J	2900 U	--	--	20 U
1,1,2-Trichloroethane	14 U	14 U	2900 U	--	--	20 U
Trichloroethylene	14 U	14 U	2900 U	--	--	20 U
Vinyl Chloride	14 U	14 U	2900 U	--	--	20 U
OTHER COMPOUNDS						
Acetone	42 U	98	2900 U	--	--	20 U
Bromoform	14 U	14 U	2900 U	--	--	20 U
Bromomethane	14 U	14 U	2900 U	--	--	20 U
Carbondisulfide	6 J	10 J	480 J	--	--	12 J
2-Hexanone	14 U	14 U	2900 U	--	--	20 U
Methyl Ethyl Ketone	21	42	2900 U	--	--	20 U
Methyl Isobutyl Ketone	14 U	14 U	2900 U	--	--	20 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-17

SOIL QUALITY DATA
TEST TRENCH SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	TT0102		TT0206	TT0209	TT0301	TT0302	TT0303	TT03W01
	4'		2.5'	1'	4'	4'	4'	4'
	03/06/92	03/06/92	03/05/92	03/05/92	03/10/92	03/10/92	03/11/92	03/13/92
	Sample	Duplicate						
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	26000 J	12000 J	9000	1400	100000 U	56000	390 U	490000 U
Benzo(b)fluoranthene	18000 J	9900 J	13000	1500	100000 U	38000	390 U	490000 U
Benzo(k)fluoranthene	19000 J	11000 J	5100	830	100000 U	33000	390 U	490000 U
Benzo(a)pyrene	18000 J	10000 J	8200	1200	100000 U	35000	390 U	490000 U
Carbazole	15000 J	8300 J	2000	360 U	12000 J	12000 J	44 J	67000 J
Chrysene	29000 J	15000 J	10000	1300	100000 U	56000	390 U	490000 U
Dibenzo(ah)anthracene	80000 U	31000 U	4800	340 J	100000 U	26000 U	390 U	490000 U
Indeno(1,2,3,cd)pyrene	9500 J	5600 J	6900	740	100000 U	22000 J	390 U	490000 U
Sum of Carcinogens	134500 a	71800 a	59000 a	7310 a	12000 a	252000 a	44 a	67000 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	11000 J	4700 J	290 J	360 U	100000 U	26000 U	390 U	490000 U
Acenaphthylene	47000 J	25000 J	1900	240 J	26000 J	18000 J	43 J	63000 J
Anthracene	32000 J	16000 J	2900	150 J	14000 J	33000	390 U	490000 U
Benzo(ghi)perylene	80000 U	4000 J	4200	450	100000 U	15000 J	390 U	490000 U
Dibenzofuran	58000 J	27000 J	1200 J	360 U	19000 J	32000	390 U	76000 J
Fluoranthene	57000 J	32000	10000	1600	23000 J	120000	390 U	490000 U
Fluorene	96000	42000	1700	360 U	32000 J	26000 U	390 U	120000 J
2-Methylnaphthalene	300000	120000	1300 J	360 U	100000 J	33000	390 U	340000 J
Naphthalene	1900000	660000	5100	360 U	710000	170000	390 U	3500000
Phenanthrene	120000	60000	9500	270 J	54000 J	140000	390 U	160000 J
Pyrene	39000 J	22000 J	8800	1400	15000 J	93000	390 U	490000 U
Sum of Non-Carcinogens	2660000 a	1012700 a	46890 a	4110 a	993000 a	654000 a	43 a	4259000 a
Sum of Total PAH Compounds	2794500 a	1084500 a	105890 a	11420 a	1005000 a	906000 a	87 a	4326000 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	80000 U	31000 U	1300 U	360 U	--	26000 U	--	490000 U
2-Chlorophenol	80000 U	31000 U	1300 U	360 U	--	26000 U	--	490000 U
o-Cresol	80000 U	31000 U	160 J	360 U	--	9300 J	--	490000 U
p-Cresol	80000 U	31000 U	370 J	360 U	--	24000 J	--	490000 U
2,4-Dichlorophenol	80000 U	31000 U	1300 U	360 U	--	26000 U	--	490000 U
2,4-Dimethylphenol	80000 U	31000 U	180 J	360 U	--	5500 J	--	490000 U
2,4-Dinitrophenol	190000 U	75000 U	3200 U	880 U	--	62000 U	--	1200000 U
2-Methyl-4,6-dinitrophenol	190000 U	75000 U	3200 U	880 U	--	62000 U	--	1200000 U
2-Nitrophenol	80000 U	31000 U	1300 U	360 U	--	26000 U	--	490000 U
4-Nitrophenol	190000 U	75000 U	310 J	880 U	--	62000 U	--	1200000 U
Pentachlorophenol	190000 U	75000 U	3200 U	880 U	--	62000 U	--	1200000 U
Phenol	80000 U	31000 U	290 J	360 U	--	26000	--	490000 U
2,4,5-Trichlorophenol	190000 U	75000 U	3200 U	880 U	--	62000 U	--	1200000 U
2,4,6-Trichlorophenol	80000 U	31000 U	1300 U	360 U	--	26000 U	--	490000 U

-- Not analyzed.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-17 (cont.)

SOIL QUALITY DATA
TEST TRENCH SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	TT03W02 3.5' 03/13/92	TT0403 6' 03/05/92	TT05E01 5' 03/10/92	TT0602 4.5' 03/09/92	TT0604 2.5' 03/09/92	TT0703 4.5' 03/19/92	TT0802 4' 03/21/92	TT0902 6' 03/11/92
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	150000	750	1200	14000 J	650	210000 U	6600 J	390 U
Benzo(b)fluoranthene	73000 J	830	1900	38000 U	750	210000 U	60000 U	42 J
Benzo(k)fluoranthene	90000 J	660	1000	3900 J	440	210000 U	60000 U	390 U
Benzo(a)pyrene	90000 J	560	1100	38000 U	500	210000 U	60000 U	390 U
Carbazole	99000	88 J	81 J	38000 U	140 J	210000 U	6100 J	390 U
Chrysene	120000	1200	2200	11000 J	1100	22000 J	7100 J	47 J
Dibenzo(ah)anthracene	12000 J	250 J	260 J	38000 U	190 J	210000 U	60000 U	390 U
Indeno(1,2,3,cd)pyrene	35000 J	380 J	750	38000 U	320 J	210000 U	60000 U	390 U
Sum of Carcinogens	669000 a	4718 a	8491 a	28900 a	4090 a	22000 a	19800 a	89 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	40000 J	410 U	400 U	180000	56 J	210000 U	60000 U	390 U
Acenaphthylene	300000	160 J	310 J	38000 U	180 J	68000 J	16000 J	390 U
Anthracene	200000	270 J	310 J	38000	300 J	24000 J	7000 J	390 U
Benzo(ghi)perylene	24000 J	310 J	450	38000 U	240 J	210000 U	60000 U	390 U
Dibenzofuran	170000	74 J	400 U	150000	160 J	210000 U	14000 J	390 U
Fluoranthene	300000	1100	3200	99000	1200	36000 J	14000 J	120 J
Fluorene	280000	100 J	43 J	170000	300 J	58000 J	23000 J	390 U
2-Methylnaphthalene	330000	220 J	400 U	38000 U	160 J	200000 J	61000	390 U
Naphthalene	2000000	410 U	400 U	38000 U	330 J	1600000	410000	390 U
Phenanthrene	460000	1000	550	280000	1000	83000 J	29000 J	42 J
Pyrene	240000	920	2800	61000	940	24000 J	9900 J	87 J
Sum of Non-Carcinogens	4344000 a	4154 a	7663 a	978000 a	4866 a	2093000 a	583900 a	249 a
Sum of Total PAH Compounds	5013000 a	8872 a	16154 a	1006900 a	8956 a	2115000 a	603700 a	338 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	97000 U	410 U	--	38000 U	370 U	210000 U	60000 U	--
2-Chlorophenol	97000 U	410 U	--	38000 U	370 U	210000 U	60000 U	--
o-Cresol	29000 J	120 J	--	38000 U	370 U	210000 U	60000 U	--
p-Cresol	71000 J	280 J	--	38000 U	370 U	210000 U	60000 U	--
2,4-Dichlorophenol	97000 U	410 U	--	38000 U	370 U	210000 U	60000 U	--
2,4-Dimethylphenol	32000 J	100 J	--	38000 U	370 U	210000 U	60000 U	--
2,4-Dinitrophenol	240000 U	1000 U	--	92000 U	890 U	510000 U	150000 U	--
2-Methyl-4,6-dinitrophenol	240000 U	1000 U	--	92000 U	890 U	510000 U	150000 U	--
2-Nitrophenol	97000 U	410 U	--	38000 U	370 U	210000 U	60000 U	--
4-Nitrophenol	240000 U	1000 U	--	92000 U	890 U	510000 U	150000 U	--
Pentachlorophenol	240000 U	1000 U	--	92000 U	890 U	510000 U	150000 U	--
Phenol	41000 J	410 U	--	38000 U	370 U	210000 U	60000 U	--
2,4,5-Trichlorophenol	240000 U	1000 U	--	92000 U	890 U	510000 U	150000 U	--
2,4,6-Trichlorophenol	97000 U	410 U	--	38000 U	370 U	210000 U	60000 U	--

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U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-17 (cont.)

SOIL QUALITY DATA
TEST TRENCH SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	TT03W02 3.5' 03/13/92	TT0403 6' 03/05/92	TT05E01 5' 03/10/92	TT0602 4.5' 03/09/92	TT0604 2.5' 03/09/92	TT0703 4.5' 09/19/92	TT0802 4' 03/21/92	TT0902 6' 03/11/92
OTHER SEMIVOLATILE ORGANIC COMPOUNDS								
Bis(2-chloroethoxy)methane	97000 U	--	--	38000 U	370 U	--	--	--
Bis(2-chloroethyl)ether	97000 U	--	--	38000 U	370 U	--	--	--
Bis(2-chloroisopropyl)ether	97000 U	--	--	38000 U	370 U	--	--	--
Bis(2-ethylhexyl)phthalate	97000 U	--	--	38000 U	43 J	--	--	--
4-Bromophenyl phenyl ether	97000 U	--	--	38000 U	370 U	--	--	--
Butyl benzyl phthalate	97000 U	--	--	38000 U	370 U	--	--	--
4-Chloroaniline	97000 U	--	--	38000 U	370 U	--	--	--
2-Chloronaphthalene	97000 U	--	--	38000 U	370 U	--	--	--
4-Chlorophenyl phenyl ether	97000 U	--	--	38000 U	370 U	--	--	--
Di-n-butyl phthalate	97000 U	--	--	38000 U	370 U	--	--	--
Di-n-octyl phthalate	97000 U	--	--	38000 U	370 U	--	--	--
1,2-Dichlorobenzene	97000 U	--	--	38000 U	370 U	--	--	--
1,3-Dichlorobenzene	97000 U	--	--	38000 U	370 U	--	--	--
1,4-Dichlorobenzene	97000 U	--	--	38000 U	370 U	--	--	--
3,3-Dichlorobenzidine	97000 U	--	--	38000 U	370 U	--	--	--
Diethyl phthalate	97000 U	--	--	38000 U	370 U	--	--	--
Dimethyl phthalate	97000 U	--	--	38000 U	370 U	--	--	--
2,4-Dinitrotoluene	97000 U	--	--	38000 U	370 U	--	--	--
2,6-Dinitrotoluene	97000 U	--	--	38000 U	370 U	--	--	--
Hexachlorobenzene	97000 U	--	--	38000 U	370 U	--	--	--
Hexachlorobutadiene	97000 U	--	--	38000 U	370 U	--	--	--
Hexachlorocyclopentadiene	97000 U	--	--	38000 U	370 U	--	--	--
Hexachloroethane	97000 U	--	--	38000 U	370 U	--	--	--
Isophorone	97000 U	--	--	38000 U	370 U	--	--	--
N-Nitrosodi-n-propylamine	97000 U	--	--	38000 U	370 U	--	--	--
N-Nitrosodiphenylamine	97000 U	--	--	38000 U	370 U	--	--	--
2-Nitroaniline	240000 U	--	--	92000 U	890 U	--	--	--
3-Nitroaniline	240000 U	--	--	92000 U	890 U	--	--	--
4-Nitroaniline	240000 U	--	--	92000 U	890 U	--	--	--
Nitrobenzene	97000 U	--	--	38000 U	370 U	--	--	--
1,2,4-Trichlorobenzene	97000 U	--	--	38000 U	370 U	--	--	--

-- Not analyzed.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-17 (cont.)

SOIL QUALITY DATA
TEST TRENCH SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	TT1001 7'		TT1201 4'	TT1301 4.5'	TT1402 4'	TT1501 5.5'	TT1602 4.5'
	03/21/92 Sample	03/21/92 Duplicate	03/18/92	03/16/92	03/18/92	03/17/92	03/12/92
CARCINOGENIC COMPOUNDS							
Benzo(a)anthracene	120000 U	140000 U	130000 U	350 U	1200 J	370 U	160 J
Benzo(b)fluoranthene	120000 U	140000 U	130000 U	350 U	830 J	40 J	140 J
Benzo(k)fluoranthene	120000 U	140000 U	130000 U	350 U	940 J	370 U	100 J
Benzo(a)pyrene	120000 U	140000 U	130000 U	350 U	870 J	370 U	110 J
Carbazole	120000 U	140000 U	130000 U	350 U	850 J	370 U	370 U
Chrysene	120000 U	140000 U	130000 U	350 U	1200 J	370 U	190 J
Dibenzo(ah)anthracene	120000 U	140000 U	130000 U	350 U	1600 U	370 U	370 U
Indeno(1,2,3,cd)pyrene	120000 U	140000 U	130000 U	350 U	510 J	370 U	79 J
Sum of Carcinogens	ND	ND	ND	ND	6400 a	40 a	779 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS							
Acenaphthene	120000 U	140000 U	53000 J	350 U	3500	140 J	370 U
Acenaphthylene	65000 J	31000 J	130000 U	350 U	560 J	500	51 J
Anthracene	120000 U	140000 U	13000 J	350 U	1700	38 J	88 J
Benzo(ghi)perylene	120000 U	140000 U	130000 U	350 U	1600 U	370 U	47 J
Dibenzofuran	17000 J	16000 J	28000 J	350 U	2900	270 J	370 U
Fluoranthene	120000 U	140000 U	22000 J	350 U	4400	125 J	580
Fluorene	27000 J	25000 J	52000 J	350 U	3700	430	370 U
2-Methylnaphthalene	120000 J	110000 J	120000 J	350 U	5300	60 J	370 U
Naphthalene	610000	720000	640000	350 U	34000	1100	44 J
Phenanthrene	23000 J	16000 J	50000 J	350 U	5400	420	42 J
Pyrene	120000 U	140000 U	14000 J	350 U	3200	120 J	460
Sum of Non-Carcinogens	862000 a	918000 a	992000 a	ND	64660 a	3203 a	1312 a
Sum of Total PAH Compounds	862000 a	918000 a	992000 a	ND	71060 a	3243 a	2091 a
PHENOLIC COMPOUNDS							
4-Chloro-3-methylphenol	120000 U	140000 U	130000 U	--	1600 U	--	--
2-Chlorophenol	120000 U	140000 U	130000 U	--	1600 U	--	--
o-Cresol	120000 U	140000 U	130000 U	--	1600 U	--	--
p-Cresol	120000 U	140000 U	130000 U	--	1600 U	--	--
2,4-Dichlorophenol	120000 U	140000 U	130000 U	--	1600 U	--	--
2,4-Dimethylphenol	120000 U	140000 U	130000 U	--	1600 U	--	--
2,4-Dinitrophenol	300000 U	340000 U	300000 U	--	4000 U	--	--
2-Methyl-4,6-dinitrophenol	300000 U	340000 U	300000 U	--	4000 U	--	--
2-Nitrophenol	120000 U	140000 U	130000 U	--	1600 U	--	--
4-Nitrophenol	300000 U	340000 U	300000 U	--	4000 U	--	--
Pentachlorophenol	300000 U	340000 U	300000 U	--	4000 U	--	--
Phenol	120000 U	140000 U	130000 U	--	1600 U	--	--
2,4,5-Trichlorophenol	300000 U	340000 U	300000 U	--	4000 U	--	--
2,4,6-Trichlorophenol	120000 U	140000 U	130000 U	--	1600 U	--	--

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-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-17 (cont.)

SOIL QUALITY DATA
TEST TRENCH SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	TT1001 7'		TT1201 4'	TT1301 4.5'	TT1402 4'	TT1501 5.5'	TT1602 4.5'
	03/21/92 Sample	03/21/92 Duplicate	03/18/92	03/16/92	03/18/92	03/17/92	03/12/92
OTHER SEMIVOLATILE ORGANIC COMPOUNDS							
Bis(2-chloroethoxy)methane	--	--	--	--	1600 U	--	--
Bis(2-chloroethyl)ether	--	--	--	--	1600 U	--	--
Bis(2-chloroisopropyl)ether	--	--	--	--	1600 U	--	--
Bis(2-ethylhexyl)phthalate	--	--	--	--	1600 U	--	--
4-Bromophenyl phenyl ether	--	--	--	--	1600 U	--	--
Butyl benzyl phthalate	--	--	--	--	1600 U	--	--
4-Chloroaniline	--	--	--	--	1600 U	--	--
2-Chloronaphthalene	--	--	--	--	1600 U	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	1600 U	--	--
Di-n-butyl phthalate	--	--	--	--	1600 U	--	--
Di-n-octyl phthalate	--	--	--	--	1600 U	--	--
1,2-Dichlorobenzene	--	--	--	--	1600 U	--	--
1,3-Dichlorobenzene	--	--	--	--	1600 U	--	--
1,4-Dichlorobenzene	--	--	--	--	1600 U	--	--
3,3-Dichlorobenzidine	--	--	--	--	1600 U	--	--
Diethyl phthalate	--	--	--	--	1600 U	--	--
Dimethyl phthalate	--	--	--	--	1600 U	--	--
2,4-Dinitrotoluene	--	--	--	--	1600 U	--	--
2,6-Dinitrotoluene	--	--	--	--	1600 U	--	--
Hexachlorobenzene	--	--	--	--	1600 U	--	--
Hexachlorobutadiene	--	--	--	--	1600 U	--	--
Hexachlorocyclopentadiene	--	--	--	--	1600 U	--	--
Hexachloroethane	--	--	--	--	1600 U	--	--
Isophorone	--	--	--	--	1600 U	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	1600 U	--	--
N-Nitrosodiphenylamine	--	--	--	--	1600 U	--	--
2-Nitroaniline	--	--	--	--	4000 U	--	--
3-Nitroaniline	--	--	--	--	4000 U	--	--
4-Nitroaniline	--	--	--	--	4000 U	--	--
Nitrobenzene	--	--	--	--	1600 U	--	--
1,2,4-Trichlorobenzene	--	--	--	--	1600 U	--	--

-- Not analyzed.

U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-17 (cont.)

SOIL QUALITY DATA
TEST TRENCH SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	1	1	1			
	TT1701	TT1901	TT2101	TT2502		TT2503
	4.5'	4.5'	4.5'	2'		3'
	03/12/92	03/17/92	03/16/92	10/06/93 Sample	10/06/93 Duplicate	10/08/93
CARCINOGENIC COMPOUNDS						
Benzo(a)anthracene	400 U	24000	1200	4500	7300 J	1200 J
Benzo(b)fluoranthene	400 U	17000	970	11000	16000	590 U
Benzo(k)fluoranthene	400 U	12000	530	8200	8700 J	1100 U
Benzo(a)pyrene	400 U	13000	660	5900	8200 J	850 U
Carbazole	400 U	10000	450	630 J	1300 U	840 U
Chrysene	400 U	26000	1700	6100	9200 J	1000 J
Dibenzo(ah)anthracene	400 U	8400 U	420 U	1700 J	3200 J	910 U
Indeno(1,2,3,cd)pyrene	400 U	7700 J	440	2400 J	4800 J	830 U
Sum of Carcinogens	ND	109700 a	5950 a	40430 a	57400 a	2200 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS						
Acenaphthene	400 U	27000	420 U	520 J	1100 U	730 U
Acenaphthylene	400 U	3900 J	180 J	5000	6700 J	810 U
Anthracene	400 U	32000	1000	1400 J	2900 J	680 U
Benzo(ghi)perylene	400 U	3700 J	230 J	1700 J	3700 J	810 U
Dibenzofuran	400 U	16000	100 J	3800 J	4400 J	1100 J
Fluoranthene	42 J	81000	1900	5300	9600 J	2300 J
Fluorene	400 U	46000	330 J	3400 J	8300 J	1300 J
2-Methylnaphthalene	400 U	11000	55 J	8800 J	7600 J	6500 J
Naphthalene	400 U	68000	420 U	22000	47000	44000
Phenanthrene	400 U	130000	1300	6400	18000	3300 J
Pyrene	400 U	55000	1300	4400	8400 J	2000 J
Sum of Non-Carcinogens	42 a	473600 a	6395 a	62720 a	116600 a	60500 a
Sum of Total PAH Compounds	42 a	583300 a	12345 a	103150 a	174000 a	62700 a
PHENOLIC COMPOUNDS						
4-Chloro-3-methylphenol	400 U	--	--	--	--	840 U
2-Chlorophenol	400 U	--	--	--	--	930 U
o-Cresol	400 U	--	--	650 J	1000 U	660 U
p-Cresol	400 U	--	--	1800 J	2200 J	710 U
2,4-Dichlorophenol	400 U	--	--	--	--	640 U
2,4-Dimethylphenol	400 U	--	--	2700 U	6700 U	4400 U
2,4-Dinitrophenol	980 U	--	--	--	--	1700 U
2-Methyl-4,6-dinitrophenol	980 U	--	--	--	--	2900 U
2-Nitrophenol	400 U	--	--	--	--	1000 U
4-Nitrophenol	980 U	--	--	--	--	4800 U
Pentachlorophenol	980 U	--	--	--	--	1100 U
Phenol	400 U	--	--	1700 J	2000 J	860 U
2,4,5-Trichlorophenol	980 U	--	--	--	--	1100 U
2,4,6-Trichlorophenol	400 U	--	--	--	--	770 U

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
1 U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-17 (cont.)

SOIL QUALITY DATA
TEST TRENCH SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	1 TT1701 4.5' 03/12/92	1 TT1901 4.5' 03/17/92	1 TT2101 4.5' 03/16/92	TT2502 2' 10/06/93 Sample	TT2502 2' 10/06/93 Duplicate	TT2503 3' 10/08/93
OTHER SEMIVOLATILE ORGANIC COMPOUNDS						
Bis(2-chloroethoxy)methane	--	--	--	--	--	920 U
Bis(2-chloroethyl)ether	--	--	--	--	--	1100 U
Bis(2-chloroisopropyl)ether	--	--	--	--	--	910 U
Bis(2-ethylhexyl)phthalate	--	--	--	--	--	2200 U
4-Bromophenyl phenyl ether	--	--	--	--	--	610 U
Butyl benzyl phthalate	--	--	--	--	--	840 U
4-Chloroaniline	--	--	--	--	--	1200 U
2-Chloronaphthalene	--	--	--	--	--	810 U
4-Chlorophenyl phenyl ether	--	--	--	--	--	760 U
Di-n-butyl phthalate	--	--	--	--	--	1700 U
Di-n-octyl phthalate	--	--	--	--	--	1100 U
1,2-Dichlorobenzene	--	--	--	--	--	1000 U
1,3-Dichlorobenzene	--	--	--	--	--	1000 U
1,4-Dichlorobenzene	--	--	--	--	--	1000 U
3,3-Dichlorobenzidine	--	--	--	--	--	3200 U
Diethyl phthalate	--	--	--	--	--	920 U
Dimethyl phthalate	--	--	--	--	--	870 U
2,4-Dinitrotoluene	--	--	--	--	--	1000 U
2,6-Dinitrotoluene	--	--	--	--	--	910 U
Hexachlorobenzene	--	--	--	--	--	640 U
Hexachlorobutadiene	--	--	--	--	--	940 U
Hexachlorocyclopentadiene	--	--	--	--	--	820 U
Hexachloroethane	--	--	--	--	--	940 U
Isophorone	--	--	--	--	--	970 U
N-Nitrosodi-n-propylamine	--	--	--	--	--	830 U
N-Nitrosodiphenylamine	--	--	--	--	--	740 U
2-Nitroaniline	--	--	--	--	--	750 U
3-Nitroaniline	--	--	--	--	--	1900 U
4-Nitroaniline	--	--	--	--	--	2500 U
Nitrobenzene	--	--	--	--	--	940 U
1,2,4-Trichlorobenzene	--	--	--	--	--	1000 U

-- Not analyzed.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
1 U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-18

SOIL QUALITY DATA
TEST TRENCH SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/kg)

	TT03W02	TT0602	TT0604	TT1402	TT2503
	3.5'	4.5'	2.5'	4'	3'
	03/13/92	03/09/92	03/09/92	03/18/92	10/08/93
PESTICIDES					
Aldrin	200 U	39 U	19 U	8.4 U	340 U
a-BHC	200 U	39 U	19 U	8.4 U	340 U
b-BHC	200 U	39 U	19 U	8.4 U	340 U
d-BHC	200 U	39 U	19 U	8.4 U	340 U
g-BHC (Lindane)	200 U	39 U	19 U	8.4 U	340 U
Alpha Chlordane	200 U	39 U	19 U	8.4 U	340 U
Gamma Chlordane	200 U	39 U	19 U	8.4 U	340 U
4,4'-DDD	390 U	75 U	38 U	16 U	660 U
4,4'-DDE	390 U	75 U	38 U	16 U	660 U
4,4'-DDT	390 U	75 U	38 U	16 U	660 U
Dieldrin	390 U	75 U	38 U	16 U	660 U
Endosulfan I	200 U	39 U	19 U	8.4 U	340 U
Endosulfan II	390 U	75 U	38 U	16 U	660 U
Endosulfan Sulfate	390 U	75 U	38 U	16 U	660 U
Endrin	390 U	75 U	38 U	16 U	660 U
Endrin Aldehyde	390 U	75 U	38 U	16 U	660 U
Endrin Ketone	390 U	75 U	38 U	16 U	660 U
Heptachlor	200 U	39 U	19 U	8.4 U	340 U
Heptachlor Epoxide	200 U	39 U	19 U	8.4 U	340 U
Methyloxyclor	2000 UJ	390 U	38 U	84 U	3400 U
Toxaphene	100000 U	3900 U	1900 U	4200 U	34000 U
PCBs					
PCB-1016	20000 U	750 U	380 U	800 U	6600 U
PCB-1221	40000 U	1600 U	750 U	1600 U	13000 U
PCB-1232	20000 U	750 U	380 U	800 U	6600 U
PCB-1242	20000 U	750 U	380 U	800 U	6600 U
PCB-1248	20000 U	750 U	380 U	800 U	6600 U
PCB-1254	20000 U	750 U	380 U	800 U	6600 U
PCB-1260	20000 U	750 U	380 U	800 U	6600 U

J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
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01/24/94

TABLE 4.1-19

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	P10706 11.5-13.5' 09/03/93	PW0107 14.5-16.5' 08/30/93	PW0112 27-29' 08/31/93	SB0702 2-4' 08/30/93	SB0704 7-9' 08/30/93	SB0708 17-19' 08/30/93	SB0711 24.5-26.5' 08/30/93	SB0713 29.5-31.5' 08/30/93
Arsenic, total	10.1 J	161	250	54.9 J	37.4 J	9.2 J	7.8 J	14.9 J
Cyanide, total	0.36 B	0.18 B	0.97 B	0.37 B	0.45 B	0.41 B	0.65 B	0.74 B
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.67 U	0.69 U	0.73 U	1.0 B	0.78 U	0.76 B	0.88 B	0.74 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	2.6	3.0 J	3.0 J	17.7 J	9.3 J	3.3 J	4.5 J	5.4 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.02 U	0.02 U	0.03 U	0.46	0.14	0.09 U	0.09 U	0.07 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.48 BJ	7.1	2.0	0.65 BJ	1.1 BJ	0.89 BJ	0.80 BJ	0.71 BJ
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
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03/27/94

TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB0807 14.5-16.5' 08/26/93	SB0810 22-24' 08/26/93	SB0812 27-29' 08/26/93	SB0903 4.5-6.5' 08/25/93	SB0909 19.5-21.5' 08/25/93	SB0912 27-29' 08/25/93	SB1003 4.5-6.5' 08/25/93	SB1007 14.5-16.5' 08/25/93
Arsenic, total	1.9 BJ	1.8 BJ	39.3 J	761 J	50.4 J	58.7 J	1.5 BJ	5.2 J
Cyanide, total	0.12 U	1.1 B	0.87 B	2.6	3.4	2.7	0.12 U	0.13 U
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.68 U	0.72 U	0.74 U	0.69 U	1.1 B	0.71 U	0.71 U	0.74 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	4.6	3.1	4.9	20.1	4.3	3.4	4.3	3.3
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.07 U	0.06 U	0.10 U	1.6	0.09 U	0.08 U	0.06 U	0.09 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.49 U	0.51 U	0.55 B	0.52 B	1.2	0.97 B	0.51 U	0.53 U
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.

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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB1011 24.5-26.5' 08/25/93	SB1310 22-24' 09/08/93	SB1311 24.5-26.5' 09/08/93	SB1313 29.5-31.5' 09/08/93	SB1404 7-9' 09/09/93	SB1408 17-19' 09/09/93	SB1413 29.5-31.5' 09/09/93	SB1508 17-19' 08/31/93
Arsenic, total	134 J	4.1	8.9	56.1	4.7 J	6.9 J	6.3 J	2.5 B
Cyanide, total	2.7	0.36 B	0.61 U	0.60 U	0.12 U	0.18 B	0.58 U	0.62 U
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.70 U	0.73 U	0.74 U	0.73 U	0.71 U	0.71 U	1.3	0.76 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	3.5	5.1 J	7.0 J	6.8 J	5.2	3.3	4.4	2.9 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.07 U	0.02 U	0.02 U	0.02 U	0.07 U	0.07 U	0.07 U	0.02 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.78 B	1.1 B	0.92 B	1.6	0.51 UJ	0.51 UJ	0.51 UJ	0.54 U
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.

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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB1602 2-4'	SB1604 7-9'	SB1608 17-19'		SB1612 27-29'	SB1702 2-4'	SB1704 7-9'	SB1708 17-19'
	09/29/93	09/29/93	09/29/93 Sample	09/29/93 Duplicate	09/29/93	09/29/93	09/29/93	09/29/93
Arsenic, total	14.3	16.7	9.5	6.3	7.0	41.2	156	9.3
Cyanide, total	0.12 R	0.12 R	0.19 BJ	0.43 BJ	1.8 BJ	3.0 J	0.93 BJ	0.12 R
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	1.3	0.71 U	0.73 U	0.75 U	0.71 U	0.77 U	0.80 B	0.71 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	180 J	6.2 J	2.1 J	1.8 J	2.5 J	5.1 J	5.1 J	2.1 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.08 U	0.07 U	0.02 U	0.02 U	0.02 U	0.06 U	0.02 U	0.02 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.37 UJ	3.7 J	1.5 J	1.1 BJ	0.62 BJ	3.2 J	3.1 J	0.99 BJ
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
R Associated value is unusable.
U Not detected.

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03/27/94

TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB1713 29.5-31.5'		SB1802 2-4'	SB1804 7-9'	SB1808 17-19'	SB1812 27-29'		SB1902 2-4'
	09/29/93 Sample	09/29/93 Duplicate	09/30/93	09/30/93	09/30/93	09/30/93 Sample	09/30/93 Duplicate	09/30/93
Arsenic, total	51.8	91.4	41.5 J	9.4 J	4.5 J	11.2 J	18.2 J	67.2 J
Cyanide, total	1.1 BJ	1.9 BJ	0.17 U	0.11 U	0.11 U	3.2	1.8	1.8
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.72 U	0.99 B	1.1 U	0.70 U	1.3	0.99 B	0.73 U	0.73 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	2.9 J	2.4 J	10.0 J	2.9 J	4.4 J	3.5 J	3.5 J	36.6 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.02 U	0.02 U	0.10 U	0.03 U	0.02 U	0.02 U	0.03 U	0.29
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.37 UJ	0.43 BJ	1.2 B	1.2	0.63 B	0.50 B	0.64 B	0.84 B
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.

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03/27/94

TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB1904 7-9'	SB1908 17-19'	SB1912 27-29'		SB2002 2-4'	SB2004 7-9'		SB2008 17-19'
	09/30/93	09/30/93	09/30/93 Sample	09/30/93 Duplicate	10/04/93	10/04/93 Sample	10/04/93 Duplicate	10/04/93
Arsenic, total	24.9 J	3.8 J	10.5 J	10.5 J	104 J	22.3 J	26.2 J	7.7 J
Cyanide, total	0.43 B	1.4	3.4	1.6	12.6	0.33 B	0.17 B	0.85 B
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.69 U	0.72 U	0.73 U	0.73 U	3.1	0.70 U	0.69 U	1.7
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	3.0 J	4.8 J	3.8 J	5.9 J	78.1 J	4.6 J	9.2 J	3.1 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.04 U	0.03 U	0.03 U	0.02 U	0.46	0.02 U	0.02 U	0.02 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	1.6	0.86 B	1.1 B	0.65 B	6.7	2.5	2.1	0.98 B
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.

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03/27/94

TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB2009 19.5-21.5' 10/04/93	SB2012 27-29' 10/04/93	SB2102 2-4' 10/01/93	SB2104 7-9' 10/01/93	SB2108 17-19' 10/01/93	SB2113 29.5-31.5' 10/01/93	SB2202 2-4' 09/27/93	SB2204 7-9' 09/27/93
Arsenic, total	6.1 J	10.4 J	157	20.7	6.2	9.0	36.5	3.3
Cyanide, total	0.59 U	0.91 B	0.31 B	1.4	0.34 B	0.12 U	0.68 B	0.20 B
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.72 U	0.75 U	0.80 U	0.73 U	1.00 B	0.72 U	0.75 B	0.70 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	2.8 J	3.0 J	15.0 J	3.3 J	3.6 J	5.0 J	37.3	2.6
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.02 U	0.02 U	0.18	0.17	0.07 U	0.07 U	0.05 U	0.03 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.75 B	1.0 B	0.59 B	3.1	1.1 B	1.0 B	0.96 BJ	2.3 J
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB2208 17-19' 09/27/93	SB2212 27-29' 09/27/93	SB2302 2-4' 10/05/93	SB2304 7-9' 10/05/93	SB2308 17-19' 10/05/93	SB2313 29.5-31.5' 10/05/93	SB2402 2-4' 09/28/93	SB2404 7-9' 09/28/93
Arsenic, total	6.7	7.6	92.0	51.2 J	7.1	29.5	12.2 J	8.5 J
Cyanide, total	0.40 B	0.70 B	0.15 U	0.18 B	0.12 U	0.60 U	32.5 J	8.5 J
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.69 U	0.72 U	0.91 B	0.73 U	0.70 U	0.71 U	0.82 U	0.75 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	3.8	3.1	29.0	14.3	6.2	4.9	14.4 J	2.6 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.02 U	0.02 U	0.04 U	0.05 U	0.06 U	0.04 U	1.7	0.43
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	2.1 J	0.47 BJ	2.9	0.6 B	0.58 B	1.2 B	20.4	1.1 B
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

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U Not detected.
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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB2408 17-19'	SB2413 29.5-31.5'		SB2502 2-4'	SB2504 7-9'	SB2508 17-19'	SB2512 27-29'	SB2602 2-4'
	09/28/93	09/28/93 Sample	09/28/93 Duplicate	09/28/93	09/28/93	09/28/93	09/28/93	09/28/93
Arsenic, total	6.6 J	6.2 J	6.7 J	7.6 J	7.5 J	2.6 J	4.6 J	233 J
Cyanide, total	0.28 BJ	0.12 R	0.52 BJ	0.12 R	0.12 R	0.12 R	0.12 R	1.9 BJ
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.80 B	0.89 B	0.71 U	1.6	0.72 U	0.72 U	0.72 U	1.9
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	2.3 J	3.5 J	2.3 J	11.2 J	7.5 J	3.7 J	4.2 J	46.5 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.13	0.13	0.14	0.04 U	0.02 U	0.02 U	0.02 U	0.05 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.71 B	0.79 B	1.0 B	0.37 U	0.37 U	1.2 B	0.88 B	0.45 B
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

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R Associated value is unusable.
U Not detected.

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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB2604 7-9' 09/28/93	SB2608 17-19' 09/28/93	SB2612 27-29' 09/28/93 Sample	27-29' 09/28/93 Duplicate	SB2702 2-4' 08/24/93	SB2704 7-9' 08/24/93	SB2708 17-19' 08/24/93	SB2712 27-29' 08/24/93
Arsenic, total	12.1 J	3.2 J	25.2 J	13.5 J	4.1 J	4.4 J	6.0 J	6.9 J
Cyanide, total	0.12 R	0.12 BJ	0.56 R	0.17 BJ	0.12 B	0.20 B	0.17 B	1.3 B
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.71 U	0.70 U	0.68 U	1.5	0.67 U	0.67 U	0.70 U	0.72 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	4.9 J	1.9 J	5.7 J	3.0 J	11.4	3.3	2.6	4.2
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.02 U	0.02 U	0.02 U	0.02 U	0.06 U	0.07 U	0.05 U	0.06 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.51 B	1.2	3.1	2.0	0.49 B	0.48 U	0.90 B	1.0 B
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB2802 2-4' 09/29/93	SB2804 7-9' 09/29/93	SB2808 17-19' 09/29/93	SB2812 27-29' 09/29/93	SB2902 2-4' 09/30/93	SB2904 7-9' 09/30/93	SB2908 17-19' 09/30/93	SB2911 24.5-26.5' 09/30/93
Arsenic, total	5.4	0.70 B	5.6	23.1	12.6 J	6.0 J	8.5 J	11.1 J
Cyanide, total	0.18 BJ	0.12 R	0.17 BJ	2.7 J	0.11 U	0.14 U	0.11 U	0.94 B
Aluminum	--	--	--	--	1100	--	--	--
Antimony	--	--	--	--	3.2 BJ	--	--	--
Barium	--	--	--	--	82.9	--	--	--
Beryllium	--	--	--	--	0.60 B	--	--	--
Cadmium	0.67 U	0.72 U	0.82 B	0.71 U	0.67 U	1.4 B	0.70 U	0.92 B
Calcium	--	--	--	--	5590	--	--	--
Chromium, total	--	--	--	--	5.6	--	--	--
Cobalt	--	--	--	--	5.5 B	--	--	--
Copper	--	--	--	--	16.5	--	--	--
Iron	--	--	--	--	4000	--	--	--
Lead	17.9 J	1.7 J	2.7 J	3.4 J	8.6	10.9 J	3.4 J	2.5 J
Magnesium	--	--	--	--	2760	--	--	--
Manganese	--	--	--	--	40.9	--	--	--
Mercury	0.09 U	0.03 U	0.02 U	0.02 U	0.05 U	0.03 U	0.03 U	0.02 U
Nickel	--	--	--	--	9.7	--	--	--
Potassium	--	--	--	--	224 B	--	--	--
Selenium	0.61 BJ	0.37 UJ	1.1 BJ	0.55 BJ	2.0	1.2 B	0.96 B	0.47 B
Silver	--	--	--	--	0.37 U	--	--	--
Sodium	--	--	--	--	111 B	--	--	--
Thallium	--	--	--	--	0.32 U	--	--	--
Vanadium	--	--	--	--	8.6 B	--	--	--
Zinc	--	--	--	--	21.5	--	--	--

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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB3003 4.5-6.5'	SB3007 14.5-16.5'		SB3009 19.5-21.5'	SB3011 24.5-26.5'	SB3015 34.5-36.5'	SB3018 42-44'	SB3103 4.5-6.5'
	10/05/93	10/05/93 Sample	10/05/93 Duplicate	10/05/93	10/05/93	10/05/93	10/05/93	10/05/93
Arsenic, total	9.8 J	3.5 J	2.9 J	1.4 BJ	3.0 J	7.8 J	10.8 J	6.0 J
Cyanide, total	0.75 U	0.50 U	0.65 U	0.56 U	0.12 U	0.13 B	0.61 U	0.51 U
Aluminum	3840	1650	1990	828	--	--	--	1510
Antimony	3.1 BJ	2.5 UJ	2.6 BJ	2.7 UJ	--	--	--	4.0 BJ
Barium	32.2 B	8.3 B	15.5 B	2.9 B	--	--	--	6.4 B
Beryllium	0.34 B	0.17	0.19 B	0.09 B	--	--	--	0.17 B
Cadmium	0.70 U	0.61 U	0.61 U	0.68 U	0.71 U	0.70 U	0.71 U	0.62 U
Calcium	82500	42500	41100	20700	--	--	--	36000
Chromium, total	40.2	6.2	6.4	3.4	--	--	--	3.9
Cobalt	5.9 B	3.2 B	3.2 B	2.4 B	--	--	--	3.2 B
Copper	45.0	8.1	9.4	2.5 B	--	--	--	4.5 B
Iron	11500	4470	5030	2350	--	--	--	4490
Lead	54.5	9.8	6.8	1.8	2.8 J	3.1 J	4.3 J	4.3
Magnesium	44800	20400	19800	11000	--	--	--	19100
Manganese	438	156	158	94.6	--	--	--	134
Mercury	0.08 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U
Nickel	12.6	5.7 B	7.2 B	3.3 B	--	--	--	3.6 B
Potassium	771 B	397 B	369 B	255 B	--	--	--	305 B
Selenium	0.36 U	0.32 U	0.32 U	0.35 U	0.37 R	0.36 R	0.51 BJ	0.32 U
Silver	0.44 B	0.34 U	0.34 U	0.37 U	--	--	--	0.34 U
Sodium	234 B	161 B	188 B	108 B	--	--	--	149 B
Thallium	0.33 U	0.29 U	0.29 U	0.32 U	--	--	--	0.29 U
Vanadium	13.7	6.4 B	6.6 B	5.3 B	--	--	--	10.9
Zinc	116	37.0	39.7	85.7	--	--	--	25.9

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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB3107 14.5-16.5'	SB3110 22-24'	SB3112 27-29'	SB3116 37-39'	SB3118 42-44'	SB3120 46.5-48.5'		SB3202 2-4'
	10/05/93	10/05/93	10/05/93	10/05/93	10/05/93	10/05/93 Sample	10/05/93 Duplicate	09/13/93 Sample
Arsenic, total	1.6 BJ	1.2 BJ	1.2 BJ	5.9 J	14.7 J	17.4 J	19.0 J	8.0
Cyanide, total	0.10 U	0.12 U	0.12 U	0.61 U	0.63 U	0.59 U	0.60 U	0.11 U
Aluminum	1120	1260	--	--	--	--	--	--
Antimony	2.4 UJ	2.9 UJ	--	--	--	--	--	--
Barium	5.2 B	3.8 B	--	--	--	--	--	--
Beryllium	0.11 B	0.10 B	--	--	--	--	--	--
Cadmium	0.61 U	0.72 U	0.70 U	0.71 U	0.73 U	0.68 U	0.70 U	0.66 U
Calcium	29000	26800 U	--	--	--	--	--	--
Chromium, total	3.6	3.5	--	--	--	--	--	--
Cobalt	2.6 B	3.1 B	--	--	--	--	--	--
Copper	5.4	5.3 B	--	--	--	--	--	--
Iron	3740	3530	--	--	--	--	--	--
Lead	2.9	2.0	2.1 J	3.0 J	3.6 J	5.5 J	4.6 J	15.2 J
Magnesium	16400	14400	--	--	--	--	--	--
Manganese	112	131	--	--	--	--	--	--
Mercury	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.12
Nickel	3.0 B	4.4 B	--	--	--	--	--	--
Potassium	276 B	340 B	--	--	--	--	--	--
Selenium	0.32 U	0.37 U	0.76 BJ	0.37 R	0.38 R	0.38 BJ	0.36 R	0.47 U
Silver	0.34 U	0.40 U	--	--	--	--	--	--
Sodium	137 B	140 B	--	--	--	--	--	--
Thallium	0.29 U	0.34 U	--	--	--	--	--	--
Vanadium	7.8 B	7.9 B	--	--	--	--	--	--
Zinc	86.2	27.4	--	--	--	--	--	--

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R Associated value is unusable.
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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB3202 2-4' 09/13/93 Duplicate	SB3204 7-9' 09/13/93	SB3208 17-19' 09/13/93	SB3212 27-29' 09/13/93	SB3216 37-39' 09/13/93	SB3302 2-4' 09/15/93	SB3304 7-9' 09/15/93	SB3308 17-19' 09/15/93
Arsenic, total	9.7	6.6	7.4	11.2	28.6	620	23.5	21.8
Cyanide, total	0.57 U	0.93 B	0.88 B	0.61 U	0.55 U	13.1	0.20 B	0.61 U
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.66 U	0.79 B	0.71 U	0.71 U	0.64 U	0.85 B	0.71 U	0.70 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	21.2 J	2.6 J	2.0 J	2.5 J	6.0 J	59.6 J	3.1 J	2.4 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.13	0.05 U	0.06 U	0.05 U	0.06 U	0.38	0.09 U	0.09 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.47 U	1.8	0.50 U	0.82 B	0.70 B	5.1	1.9	0.96 B
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

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03/27/94

TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB3312 27-29' 09/15/93	SB3402 2-4' 10/06/93	SB3404 7-9' 10/06/93	SB3408 17-19' 10/06/93	SB3412 27-29' 10/06/93	SB3502 2-4' 09/21/93	SB3504 7-9' 09/21/93	SB3508 17-19' 09/21/93
Arsenic, total	16.8	170 J	160 J	42.7 J	15.5 J	104 J	16.3 J	3.2 J
Cyanide, total	0.61 U	29.4 J	38.2 J	1.7 BJ	0.59 UJ	0.49 U	0.16 U	0.30 U
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.72 U	1.3	0.81 U	0.72 U	0.72 U	0.72 U	0.68 U	0.71 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	3290	--	3860	3910	3520	4400	3310
Lead	1.9 J	67.5 J	12.8 J	3.4 J	2.9 J	2.7 J	3.8 J	2.5 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.09 U	1.3	1.3	0.02 U	0.02 U	0.06 U	0.06 U	0.04 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.64 B	2.2 J	2.0 J	0.37 R	0.37 R	0.37 UJ	1.7 J	0.61 BJ
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

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U Not detected.

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03/27/94

TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB3512 27-29'		SB3602 2-4'	SB3604 7-9'	SB3608 17-19'	SB3613 29.5-31.5'	SB3702 2-4'	SB3704 7-9'
	09/21/93 Sample	09/21/93 Duplicate	09/21/93	09/21/93	09/21/93	09/21/93	09/21/93	09/21/93
Arsenic, total	10.7 J	22.9 J	20.9 J	12.7 J	2.5 J	69.6 J	3.1 J	2.5 J
Cyanide, total	0.62 U	1.0 U	0.19 U	1.3 U	0.24 U	0.69 U	1.0 U	0.67 U
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.73 U	0.64 U	0.77 U	0.78 U	0.68 U	0.77 U	0.67 U	0.69 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	4620	--	--	--	--	--	--	--
Lead	2.6 J	4.4 J	37.5 J	9.8 J	3.9 J	9.3 J	6.8 J	2.5 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.04 U	0.05 U	0.13	0.06 U	0.06 U	0.05 U	0.05 U	0.04 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.59 BJ	0.69 BJ	0.40 UJ	2.5 J	0.98 BJ	0.52 BJ	0.51 BJ	0.82 BJ
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
.027
03/27/94

TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB3708 17-19'		SB3714 32-34'	SB3802 2-4'	SB3804 7-9'	7-9'	SB3808 17-19'	SB3813 29.5-31.5'
	09/21/93 Sample	09/21/93 Duplicate	09/21/93	09/23/93	09/23/93 Sample	09/23/93 Duplicate	09/23/93	09/23/93
Arsenic, total	2.9 J	2.3 BJ	24.7 J	26.4	23.3	16.2	6.0	24.1
Cyanide, total	0.12 U	0.87 U	0.24 U	0.22 B	0.60 B	0.20 B	1.0 B	1.1 B
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.70 U	0.70 U	0.71 U	1.9	0.79 U	0.80 U	0.99 B	0.72 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	2.5 J	2.5 J	3.2 J	36.3	215	77.9	2.5	2.7
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.02 U	0.04 U	0.04 U	1.4	0.45	0.24	0.13	0.12 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.55 BJ	0.69 BJ	0.37 UJ	0.50 BJ	0.40 U	0.41 U	0.37 U	0.38 U
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
.027
03/27/94

TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB3902 2-4' 09/17/93	SB3904 7-9' 09/17/93	SB3908 17-19' 09/17/93	SB3913 29.5-31.5' 09/17/93	SB4002 2-4' 10/07/93	SB4005 9.5-11.5' 10/07/93	SB4008 17-19' 10/07/93	SB4011 24.5-26.5' 10/07/93
Arsenic, total	21.8 J	2.3 BJ	3.9 J	49.1 J	25.3	4.9	5.0	32.2
Cyanide, total	0.20 U	0.12 U	0.11 U	1.8 U	3.8 J	5.3 J	0.63 BJ	0.60 UJ
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.69 U	0.72 U	0.70 U	0.71 U	0.66 U	0.73 U	0.94 B	1.2 B
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	39.3 J	2.1 J	3.7 J	3.6 J	16.7	7.1	3.0	2.7
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	2.7	0.02 U	0.02 U	0.02 U	0.42	0.51	0.11	0.12
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	1.1 BJ	0.52 UJ	0.98 BJ	0.50 UJ	1.2 J	0.95 J	0.91 BJ	0.49 BJ
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
.027
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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB4102 2-4'	SB4104 7-9'		SB4108 17-19'	SB4112 27-29'	SB4202 2-4'	SB4204 7-9'	SB4208 17-19'
	09/16/93	09/16/93 Sample	09/16/93 Duplicate	09/16/93	09/16/93	09/23/93	09/23/93	09/23/93
Arsenic, total	29.5 J	5.3 J	3.7 J	10.2 J	65.6 J	56.2	6.5	6.0
Cyanide, total	0.11 U	0.12 U	0.12 U	0.44 U	1.5 U	23.9	2.5	0.26 B
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	1.1 B	0.73 U	0.73 U	0.67 U	0.75 U	1.6	0.72 U	0.69 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	51.8 J	3.7 J	2.7 J	2.7 J	2.9 J	23.5	2.9	2.2
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.28	0.09 U	0.07 U	0.06 U	0.06 U	0.16	0.02 U	0.02 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	1.5 J	0.52 UJ	0.53 UJ	0.48 UJ	0.53 UJ	0.35 U	0.37 U	0.36 U
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
.027
03/27/94

TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB4212 27-29'	SB4302 2-4'	SB4304 7-9'	SB4308 17-19'		SB4312 27-29'	SB4402 2-4'	SB4404 7-9'
	09/23/93	09/15/93	09/15/93	09/15/93 Sample	09/15/93 Duplicate	09/15/93	09/20/93	09/20/93
Arsenic, total	26.7	1.1 B	6.0	5.2	5.0	23.4	5.5 J	5.0 J
Cyanide, total	0.70 B	0.12 U	0.12 U	0.12 U	0.12 U	0.63 U	0.27 U	0.36 U
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.89 BJ	0.69 U	0.70 U	0.71 U	0.70 U	0.72 U	0.69 U	0.73 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	3230	3320
Lead	3.4	2.8 J	1.6 J	1.8 J	1.7 J	2.6 J	16.3 J	2.2 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.02 U	0.11	0.11 U	0.09 U	0.07 U	0.08 U	0.02 U	0.02 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.38 U	0.49 U	0.50 U	0.51 U	0.50 U	0.52 U	0.88 BJ	0.52 UJ
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
.027
03/27/94

TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB4406 12-14'	SB4408 17-19'	SB4412 27-29'	SB4502 2-4'	SB4504 7-9'	SB4508 17-19'	SB4513 29.5-31.5'	
	09/20/93	09/20/93	09/20/93	09/27/93	09/27/93	09/27/93	09/27/93 Sample	09/27/93 Duplicate
Arsenic, total	--	10.3 J	56.8 J	15.7	3.6	4.8	38.8	38.3
Cyanide, total	--	1.1 U	1.6 U	19.7	0.12 U	0.12 U	0.53 B	1.4 B
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	--	0.69 U	0.73 U	0.82 U	0.72 U	1.0 B	0.72 U	0.72 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	2790	3440	10800	--	--	--	--	--
Lead	--	2.5 J	3.9 J	41.1	2.9	2.8	2.7	3.6
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	--	0.02 U	0.02 U	0.54	0.02 U	0.02 U	0.02 U	0.02 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	--	0.49 UJ	0.52 UJ	5.8 J	0.37 U	0.40 BJ	1.9 J	0.50 BJ
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.

.027
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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB4605	SB4608		SB4613	SB4702	SB4704	SB4708	SB4714
	9.5-11.5'	17-19'		29.5-31.5'	2-4'	7-9'	17-19'	32-34'
	10/07/93	10/07/93 Sample	10/07/93 Duplicate	10/07/93	10/06/93	10/06/93	10/06/93	10/06/93
Arsenic, total	2.8	4.7	5.2	41.7	29.0 J	1.6 BJ	7.6 J	7.7 J
Cyanide, total	0.20 BJ	0.54 BJ	0.37 BJ	1.1 BJ	0.29 BJ	0.12 UJ	0.59 UJ	0.58 UJ
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.70 U	0.74 U	0.73 U	0.71 U	1.0 B	0.71 U	0.72 U	0.71 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	2.3	2.9	9.4	3.1	3.01 J	2.6 J	3.7 J	3.2 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.09 U	0.02 U	0.02 U	0.02 U	0.48	0.05 U	0.04 U	0.02 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.36 UJ	0.38 UJ	0.38 UJ	0.37 UJ	0.81 BJ	0.37 R	0.37 R	0.37 R
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
R Associated value is unusable.
U Not detected.

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03/27/94

TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB4802 2-4' 09/22/93	SB4804 7-9' 09/22/93	SB4808 17-19' 09/22/93	SB4813 29.5-31.5' 09/22/93	SB4902 2-4' 10/05/93	SB4904 7-9' 10/05/93	SB4908 17-19' 10/05/93	SB4911 24.5-26.5 10/05/93
Arsenic, total	5.9 J	1.9 BJ	4.4 J	8.3 J	1.3 B	1.4 B	1.5 B	10.0
Cyanide, total	0.63 U	0.46 U	0.27 U	0.62 U	0.12 U	0.12 U	0.14 B	1.4 B
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.73 U	0.71 U	0.70 U	0.72 U	1.4	1.2 B	0.69 U	1.5
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	11.8 J	2.4 J	2.6 J	3.6 J	3.2	24.2	3.4	3.7
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.18	0.07 U	0.06 U	0.07 U	0.03 U	0.08 U	0.04 U	0.04 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.38 UJ	0.70 BJ	0.49 BJ	0.58 BJ	0.36 U	0.37 U	0.36 U	0.38 U
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.

.027
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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB5002 2-4'	SB5004 7-9'		SB5008 17-19'	SB5012 27-29'	SB5104 7-9'	SB5109 19.5-21.5'	SB5112 27-29'
	10/05/93	10/05/93 Sample	10/05/93 Duplicate	10/05/93	10/05/93	09/16/93	09/16/93	09/16/93
Arsenic, total	4.4	3.2	1.1 B	2.7	8.4	2.4 BJ	2.5 BJ	2.7 J
Cyanide, total	10.2	4.5	0.12 U	0.12 U	1.2 B	0.12 U	0.62 U	0.70 U
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.78 U	0.76 U	0.70 U	1.3	0.72 U	0.72 U	0.76 U	1.4
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	4.6	5.3	2.5	4.0	3.3	3.2 J	3.1 J	2.6 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.07 U	0.29	0.09 U	0.02 U	0.06 U	0.05 U	0.06 U	0.04 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	6.0	0.95 B	0.36 U	0.89 B	0.38 U	0.51 UJ	0.55 UJ	0.52 UJ
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.

.027
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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB5205 9.5-11.5' 09/15/93	SB5208 17-19' 09/15/93	SB5214 32-34' 09/15/93	SB5304 7-9' 09/16/93	SB5312 27-29' 09/16/93	SB5502 2-4' 10/07/93	SB5612 27-29' 10/07/93	SB5710 22-24' 10/07/93
Arsenic, total	1.7 B	3.8	17.7	2.0 BJ	1.7 BJ	11.0	56.2	8.0
Cyanide, total	0.12 U	0.12 U	0.46 B	0.12 U	4.1	0.93 BJ	3.0 J	0.28 BJ
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.73 U	1.7	0.72 U	0.79 B	0.73 U	1.0 B	0.70 U	0.71 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	2.8 J	4.0 J	3.0 J	2.9 J	2.9 J	44.4	3.2	3.0
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.08 U	0.10 U	0.08 U	0.04 U	0.04 U	0.04 U	0.02 U	0.02 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.52 U	0.52 U	0.74 B	0.51 UJ	0.52 UJ	2.0 J	0.36 UJ	0.37 UJ
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
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TABLE 4.1-19 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	SB5902 2-4' 11/01/93	SB5904 7-9' 11/01/93	SB5908 17-19' 11/01/93	SB5912 27-29' 11/01/93	SB6002 2-4' 11/01/93	SB6004 7-9' 11/01/93	SB6008 17-19' 11/01/93	SB6012 27-29' 11/01/93
Arsenic, total	1.2 B	2.7	3.1	2.2 B	33.6	63.0	11.5	8.8
Cyanide, total	0.13 U	0.12 U	0.61 U	0.61 U	0.12 U	20.2	0.29 B	0.61 U
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	0.80 U	0.78 U	0.77 U	0.77 U	1.3	0.90 U	0.78 U	0.78 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	8.8 J	3.0 J	4.1 J	5.1 J	11.5 J	6.1 J	3.1 J	6.0 J
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.03 U	0.03 U	0.02 U	0.03 U	0.04 UJ	1.1 J	0.03 U	0.03 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	0.88 B	0.37 U	0.53 B	0.37 U	0.59 B	12.1	0.89 B	0.63 B
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
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TABLE 4.1-20

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	MW3D01 26-28' 03/18/92	P10706 11.5-13.5' 09/03/93	PW0107 14.5-16.5' 08/30/93	PW0112 27-29' 08/31/93	SB0403 30-32' 03/20/92	SB0601 22.5-24.5' 03/24/92	SB0702 2-4' 08/30/93	SB0704 7-9' 08/30/93
BETX COMPOUNDS								
Benzene	12 U	58	2.7	65	19	110	1.5 J	1.2 U
Ethyl Benzene	12 U	2.8	2.6	6.1 U	13 U	2 J	1.3 U	0.3 J
Toluene	12 U	33	1.2 U	18	13 U	61	0.4 J	1.2 U
Xylenes	4 J	--	--	--	3 J	7 J	--	--
m & p Xylene	--	1.3 J	2.4 U	12 U	--	--	2.6 U	2.4 U
o-Xylene	--	3.4	0.6 J	6.1 U	--	--	1.3 U	1.2 U
Sum of BETX	4 a	98.5 a	5.9 a	83	22 a	180 a	1.9 a	0.3 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	12 U	--	--	--	13 U	13 U	--	--
Carbon Tetrachloride	12 U	--	--	--	13 U	13 U	--	--
Chloroethane	12 U	--	--	--	13 U	13 U	--	--
Chloroform	12 U	--	--	--	13 U	13 U	--	--
Chloromethane	12 U	--	--	--	13 U	13 U	--	--
Chlorobenzene	12 U	--	--	--	13 U	13 U	--	--
Chlorodibromomethane	12 U	--	--	--	13 U	13 U	--	--
1,1-Dichloroethane	12 U	--	--	--	13 U	13 U	--	--
1,2-Dichloroethane	12 U	--	--	--	13 U	13 U	--	--
1,1-Dichloroethylene	12 U	--	--	--	13 U	13 U	--	--
1,2-Dichloroethylene	12 U	--	--	--	13 U	13 U	--	--
1,2-Dichloropropane	12 U	--	--	--	13 U	13 U	--	--
Cis-1,3-Dichloro-1-propene	12 U	--	--	--	13 U	13 U	--	--
Trans-1,3-Dichloro-1-propene	12 U	--	--	--	13 U	13 U	--	--
Methylene Chloride	19	--	--	--	19 U	62 U	--	--
Styrene	12 U	--	--	--	13 U	13 U	--	--
1,1,2,2-Tetrachloroethane	12 U	--	--	--	13 U	13 U	--	--
Tetrachloroethylene	12 U	--	--	--	13 U	13 U	--	--
1,1,1-Trichloroethane	12 U	--	--	--	13 U	13 U	--	--
1,1,2-Trichloroethane	12 U	--	--	--	13 U	13 U	--	--
Trichloroethylene	12 U	--	--	--	13 U	13 U	--	--
Vinyl Chloride	12 U	--	--	--	13 U	13 U	--	--
OTHER COMPOUNDS								
Acetone	25	--	--	--	170	110	--	--
Bromoform	12 U	--	--	--	13 U	13 U	--	--
Bromomethane	12 U	--	--	--	13 U	13 U	--	--
Carbondisulfide	12 U	--	--	--	3 J	4 J	--	--
2-Hexanone	12 U	--	--	--	13 U	3 J	--	--
Methyl Ethyl Ketone	12 U	--	--	--	37	32	--	--
Methyl Isobutyl Ketone	12 U	--	--	--	13 U	13 U	--	--

-- Not analyzed.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB0708 17-19' 08/30/93	SB0711 24.5-26.5' 08/30/93	SB0713 29.5-31.5' 08/30/93	SB0807 14.5-16.5' 08/26/93	SB0810 22-24' 08/26/93	SB0812 27-29' 08/26/93	SB0903 4.5-6.5' 08/25/93	SB0909 19.5-21.5 08/25/93
BETX COMPOUNDS								
Benzene	1.4	2.9	1.4	0.3 J	5.9	430	0.3 J	0.3 J
Ethyl Benzene	0.5 J	1.2 U	1.2 U	1.2 U	1.2 U	62 U	1.2 U	1.7
Toluene	2.1	4.6	2.1	1.2 U	1.2 U	150	1.2 U	1.4
m & p Xylene	2.3 J	7.8	4.9	2.4 U	2.4 U	120 U	0.3 J	1.9 J
o-Xylene	2.1	3.5	2.4	1.2 U	1.2 U	62 U	1.2 U	1.0 J
Sum of BETX	8.4 a	18.8	10.8	0.3 a	5.9	580	0.6 a	6.3 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB0912 27-29' 08/25/93	SB1003 4.5-6.5' 08/25/93	SB1007 14.5-16.5' 08/25/93	SB1011 24.5-26.5' 08/25/93	SB1310 22-24' 09/08/93	SB1311 24.5-26.5' 09/08/93	SB1313 29.5-31.5' 09/08/93	SB1404 7-9' 09/09/93
BETX COMPOUNDS								
Benzene	1.8	1.1 U	10	800	3.2	5.5	54	0.2 J
Ethyl Benzene	1.1 U	1.1 U	7.3	28 J	1.2 U	1.2 U	0.7 J	1.2 U
Toluene	1.7	1.1 U	8.4	250	1.2 U	0.3 J	0.2 J	1.2 U
m & p Xylene	2.2 U	2.3 U	5.0	22 J	2.4 U	2.4 U	2.2 U	2.4 U
o-Xylene	0.3 J	1.1 U	6.2	21 J	1.2 U	1.2 U	1.1 U	1.2 U
Sum of BETX	3.8 a	ND	36.9	1121 a	3.2	5.8 a	54.9 a	0.2 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB1408 17-19'	SB1413 29.5-31.5'	SB1508 17-19'	SB1602 2-4'	SB1604 7-9'	SB1608 17-19'		SB1612 27-29'
	09/09/93	09/09/93	08/31/93	09/29/93	09/29/93	09/29/93 Sample	09/29/93 Duplicate	09/29/93
BETX COMPOUNDS								
Benzene	1.2 U	5.9	1.2 U	1.0 J	0.2 J	0.4 J	1.2 U	1.9
Ethyl Benzene	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U
Toluene	1.2 U	1.1 U	1.2 U	0.6 J	0.3 J	0.5 J	1.2 U	1.2 U
m & p Xylene	2.5 U	2.2 U	2.4 U	0.3 J	0.3 J	0.4 J	2.4 U	2.4 U
o-Xylene	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U
Sum of BETX	ND	5.9	ND	1.9 a	0.8 a	1.3 a	ND	1.9
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB1702 2-4'	SB1704 7-9'	SB1708 17-19'	SB1713 29.5-31.5'		SB1802 2-4'	SB1804 7-9'	SB1808 17-19'
	09/29/93	09/29/93	09/29/93	09/29/93 Sample	09/29/93 Duplicate	09/30/93	09/30/93	09/30/93
BETX COMPOUNDS								
Benzene	1.2 U	1.2 U	1.2 U	36	45	2.6 J	1.2 U	0.6 J
Ethyl Benzene	1.2 U	1.2 U	1.2 U	1.2 J	1.2 U	2.4 J	1.2 U	1.2 U
Toluene	1.2 U	1.2 U	1.2 U	1.8	2.6	3.9 J	1.2 U	1.2 U
m & p Xylene	2.3 U	2.4 U	2.4 U	2.4 U	2.5 U	4.7 J	2.4 U	2.4 U
o-Xylene	1.2 U	1.2 U	1.2 U	1.2 U	1.3 J	2.7 J	1.2 U	1.2 U
Sum of BETX	ND	ND	ND	39 a	48.9 a	16.3 a	ND	0.6 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB1812 27-29'		SB1902 2-4'	SB1904 7-9'	SB1908 17-19'	SB1912 27-29'		SB2002 2-4'
	09/30/93 Sample	09/30/93 Duplicate	09/30/93	09/30/93	09/30/93	09/30/93 Sample	09/30/93 Duplicate	10/04/93
BETX COMPOUNDS								
Benzene	14	18	1.2 U	1.2	8.2	6.6	9.2	1.3 U
Ethyl Benzene	1.2 U	1.2 U	1.2 U	1.2 U	0.3 J	1.3 U	1.3 U	1.3 U
Toluene	4.4	5.0	1.2 U	23	0.4 J	1.3 U	0.5 J	1.3 U
Xylenes	--	--	--	--	--	--	--	--
m & p Xylene	2.4 U	2.5 U	2.3 U	55	1.1 J	2.5 U	2.6 U	2.5 U
o-Xylene	1.2 U	1.2 U	1.2 U	28	1.0 J	1.3 U	1.3 U	1.3 U
Sum of BETX	18.4	23	ND	107.2	11 a	6.6	9.7 a	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
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U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2004 7-9' 10/04/93	SB2008 17-19' 10/04/93	SB2009 19.5-21.5' 10/04/93	SB2012 27-29' 10/04/93	SB2102 2-4' 10/01/93	SB2104 7-9' 10/01/93	SB2108 17-19' 10/01/93	SB2113 29.5-31.5' 10/01/93
BETX COMPOUNDS								
Benzene	1.0 J	1.2 U	1.2 U	92	0.3 J	0.4 J	1.6 U	28
Ethyl Benzene	1.3 U	0.6 J	1.2 U	6.2 U	1.3 U	1.2 U	1.6 U	2.1 U
Toluene	0.3 J	4.4	23	28	1.3 U	0.5 J	3.6	14
m & p Xylene	0.3 J	8.3	7.9	43	2.6 U	0.7 J	1.8 J	0.6 J
o-Xylene	1.3 U	2.1	1.2 U	15	1.3 U	0.5 J	1.0 J	0.6 J
Sum of BETX	1.6 a	15.4 a	30.9	178	0.3 a	2.1 a	6.4 a	43.2 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
a Calculated using some or all values that are estimates.
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U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2202 2-4' 09/27/93	SB2204 7-9' 09/27/93	SB2208 17-19' 09/27/93	SB2212 27-29' 09/27/93	SB2302 2-4' 10/05/93	SB2304 7-9' 10/05/93	SB2308 17-19' 10/05/93	SB2313 29.5-31.5' 10/05/93
BETX COMPOUNDS								
Benzene	1.2 J	0.3 J	4.9	1.3 U	0.4 J	0.4 J	1.2 U	42
Ethyl Benzene	1.3 U	1.2 U	0.6 J	1.3 U	1.4 U	0.6 J	0.3 J	3.9 U
Toluene	1.6 J	1.2 U	2.6	1.3 U	1.4 U	0.3 J	1.2 U	32
m & p Xylene	0.6 J	2.3 U	2.3 J	7.0	2.8 U	1.5 J	2.1 J	4.6 J
o-Xylene	0.3 J	1.2 U	1.2	3.9	1.4 U	0.8 J	0.8 J	5.5
Sum of BETX	3.7 a	0.3 a	11.6 a	10.9 a	0.4 a	3.6 a	3.2 a	84 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
a Calculated using some or all values that are estimates.
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U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2402 2-4' 09/28/93	SB2404 7-9' 09/28/93	SB2408 17-19' 09/28/93	SB2413 29.5-31.5' 09/28/93 Sample	SB2413 29.5-31.5' 09/28/93 Duplicate	SB2502 2-4' 09/28/93	SB2504 7-9' 09/28/93	SB2508 17-19' 09/28/93
BETX COMPOUNDS								
Benzene	0.2 J	7.3	18	6.8	2.9	1.2 U	3.2	1.0 J
Ethyl Benzene	0.3 J	1.2 U	1.8	1.1 J	1.1 U	1.2 U	1.2 U	1.1 U
Toluene	0.7 J	6.3	21	5.8	2.9	1.2 U	1.2 U	1.1 U
m & p Xylene	0.5 J	9.4	14	2.4	1.3 J	2.5 U	2.3 U	0.5 J
o-Xylene	0.3 J	3.1	4.6	1.0 J	0.6 J	1.2 U	1.2 U	0.5 J
Sum of BETX	2.0 a	26.1	59.4	17.1 a	7.7 a	ND	3.2	2.0 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
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U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2512 27-29' 09/28/93	SB2602 2-4' 09/28/93	SB2604 7-9' 09/28/93	SB2608 17-19' 09/28/93	SB2612 27-29' 09/28/93 Sample	SB2612 27-29' 09/28/93 Duplicate	SB2702 2-4' 08/24/93	SB2704 7-9' 08/24/93
BETX COMPOUNDS								
Benzene	1.5	200	1.1 U	2.0	1.9	1.1 U	58 UJ	590 U
Ethyl Benzene	3.7	120	1.1 U	0.5 J	1.1 U	1.1 U	58 U	590 U
Toluene	3.4	270	1.1 U	1.4	3.0	5.1	58 UJ	590 U
m & p Xylene	3.0	2800	2.3 U	1.1 J	1.6 J	2.5	29 J	1200 U
o-Xylene	1.4	730	1.1 U	1.6	1.8	2.6	71	1200
Sum of BETX	12.7	4120	ND	6.6 a	8.3 a	10.2	100 a	1200
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
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U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2708 17-19' 08/24/93	SB2712 27-29' 08/24/93	SB2802 2-4' 09/29/93	SB2804 7-9' 09/29/93	SB2808 17-19' 09/29/93	SB2812 27-29' 09/29/93	SB2902 2-4' 09/30/93	SB2904 7-9' 09/30/93
BETX COMPOUNDS								
Benzene	1.2 U	1.2 U	1.2 U	1.2 U	0.3 J	21	0.7 J	1.2 U
Ethyl Benzene	0.7 J	14	1.2 U	1.2 U	4.2	5.8	1.1 U	1.2 U
Toluene	1.2 U	0.8 J	1.2 U	1.2 U	1.2	13	0.4 J	1.2 U
Xylenes	--	--	--	--	--	--	11 U	--
m & p Xylene	1.1 J	31	2.5 U	2.4 U	8.7	1.6 J	2.2 U	2.5 U
o-Xylene	1.1 J	24	1.2 U	1.2 U	6.2	2.0	0.4 J	1.2 U
Sum of BETX	2.9 a	69.8 a	ND	ND	20.6	43.4 a	1.5 a	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	11 U	--
Carbon Tetrachloride	--	--	--	--	--	--	11 U	--
Chloroethane	--	--	--	--	--	--	11 U	--
Chloroform	--	--	--	--	--	--	11 U	--
Chloromethane	--	--	--	--	--	--	11 U	--
Chlorobenzene	--	--	--	--	--	--	11 U	--
Chlorodibromomethane	--	--	--	--	--	--	11 U	--
1,1-Dichloroethane	--	--	--	--	--	--	11 U	--
1,2-Dichloroethane	--	--	--	--	--	--	11 U	--
1,1-Dichloroethylene	--	--	--	--	--	--	11 U	--
1,2-Dichloroethylene	--	--	--	--	--	--	11 U	--
1,2-Dichloropropane	--	--	--	--	--	--	11 U	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	11 U	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	11 U	--
Methylene Chloride	--	--	--	--	--	--	9 J	--
Styrene	--	--	--	--	--	--	11 U	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	11 U	--
Tetrachloroethylene	--	--	--	--	--	--	11 U	--
1,1,1-Trichloroethane	--	--	--	--	--	--	11 U	--
1,1,2-Trichloroethane	--	--	--	--	--	--	11 U	--
Trichloroethylene	--	--	--	--	--	--	11 U	--
Vinyl Chloride	--	--	--	--	--	--	11 U	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	64 J	--
Bromoform	--	--	--	--	--	--	11 U	--
Bromomethane	--	--	--	--	--	--	11 U	--
Carbondisulfide	--	--	--	--	--	--	11 U	--
2-Hexanone	--	--	--	--	--	--	11 U	--
Methyl Ethyl Ketone	--	--	--	--	--	--	11 U	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	11 U	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2908 17-19'	SB2911 24.5-26.5'	SB3003 4.5-6.5'	SB3007 14.5-16.5'		SB3009 19.5-21.5'	SB3011 24.5-26.5'	SB3015 34.5-36.5'
	09/30/93	09/30/93	10/05/93	10/05/93 Sample	10/05/93 Duplicate	10/05/93	10/05/93	10/05/93
BETX COMPOUNDS								
Benzene	1.2 U	1.2 U	12 U	11 U	11 U	12 U	1.2 U	1.2 U
Ethyl Benzene	35	4.5	12 U	11 U	11 U	12 U	1.2 U	1.1 J
Toluene	18	31	12 U	11 U	11 U	12 U	1.2 U	1.2 U
Xylenes	--	--	12 U	11 U	11 U	12 U	--	--
m & p Xylene	6.3	1.2 J	--	--	--	--	2.4 U	2.4 U
o-Xylene	11	1.2 U	--	--	--	--	1.2 U	1.2 U
Sum of BETX	70.3	36.7 a	ND	ND	ND	ND	ND	1.1 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	12 U	11 U	11 U	12 U	--	--
Carbon Tetrachloride	--	--	12 U	11 U	11 U	12 U	--	--
Chloroethane	--	--	12 U	11 U	11 U	12 U	--	--
Chloroform	--	--	12 U	11 U	11 U	12 U	--	--
Chloromethane	--	--	12 U	11 U	11 UJ	12 U	--	--
Chlorobenzene	--	--	12 U	11 U	11 U	12 U	--	--
Chlorodibromomethane	--	--	12 U	11 U	11 U	12 U	--	--
1,1-Dichloroethane	--	--	12 U	11 U	11 U	12 U	--	--
1,2-Dichloroethane	--	--	12 U	11 U	11 U	12 U	--	--
1,1-Dichloroethylene	--	--	12 U	11 U	11 U	12 U	--	--
1,2-Dichloroethylene	--	--	12 U	11 U	11 U	12 U	--	--
1,2-Dichloropropane	--	--	12 U	11 U	11 U	12 U	--	--
Cis-1,3-Dichloro-1-propene	--	--	12 U	11 U	11 U	12 U	--	--
Trans-1,3-Dichloro-1-propene	--	--	12 U	11 U	11 U	12 U	--	--
Methylene Chloride	--	--	38 B	20 U	11	23 B	--	--
Styrene	--	--	12 U	11 U	11 U	12 U	--	--
1,1,2,2-Tetrachloroethane	--	--	12 U	11 U	11 U	12 U	--	--
Tetrachloroethylene	--	--	12 U	11 U	11 U	12 U	--	--
1,1,1-Trichloroethane	--	--	12 U	11 U	11 U	12 U	--	--
1,1,2-Trichloroethane	--	--	12 U	11 U	11 U	12 U	--	--
Trichloroethylene	--	--	5 J	11 U	11 U	12 U	--	--
Vinyl Chloride	--	--	12 U	11 U	11 U	12 U	--	--
OTHER COMPOUNDS								
Acetone	--	--	45 UJ	47 U	11 U	41 U	--	--
Bromoform	--	--	12 U	11 U	11 U	12 U	--	--
Bromomethane	--	--	12 U	11 U	11 U	12 U	--	--
Carbondisulfide	--	--	12 U	11 U	11 U	12 U	--	--
2-Hexanone	--	--	12 U	11 U	11 U	12 U	--	--
Methyl Ethyl Ketone	--	--	12 U	11 U	11 U	12 U	--	--
Methyl Isobutyl Ketone	--	--	12 U	11 U	11 U	12 U	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB3018 42-44' 10/05/93	SB3103 4.5-6.5' 10/05/93	SB3107 14.5-16.5' 10/05/93	SB3110 22-24' 10/05/93	SB3112 27-29' 10/05/93	SB3116 37-39' 10/05/93	SB3118 42-44 10/05/93	SB3120 46.5-48.5' 10/05/93 Sample
BETX COMPOUNDS								
Benzene	50	11 U	11 U	12 U	1.2 U	1.2 U	8.2	3.5
Ethyl Benzene	1.2 U	11 U	11 U	12 U	1.2 U	1.2 U	1.3 U	1.1 U
Toluene	4.6	11 U	11 U	12 U	1.2 U	1.2 U	1.3 U	0.3 J
Xylenes	--	11 U	11 U	12 U	--	--	--	--
m & p Xylene	0.3 J	--	--	--	2.4 U	2.5 U	2.6 U	2.2 U
o-Xylene	1.2 U	--	--	--	1.2 U	1.2 U	1.3 U	1.1 U
Sum of BETX	54.9 a	ND	ND	ND	ND	ND	8.2	3.8 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	11 U	11 U	12 U	--	--	--	--
Carbon Tetrachloride	--	11 U	11 U	12 U	--	--	--	--
Chloroethane	--	11 U	11 U	12 U	--	--	--	--
Chloroform	--	11 U	11 U	12 U	--	--	--	--
Chloromethane	--	11 U	11 U	12 U	--	--	--	--
Chlorobenzene	--	11 U	11 U	12 U	--	--	--	--
Chlorodibromomethane	--	11 U	11 U	12 U	--	--	--	--
1,1-Dichloroethane	--	11 U	11 U	12 U	--	--	--	--
1,2-Dichloroethane	--	11 U	11 U	12 U	--	--	--	--
1,1-Dichloroethylene	--	11 U	11 U	12 U	--	--	--	--
1,2-Dichloroethylene	--	11 U	11 U	12 U	--	--	--	--
1,2-Dichloropropane	--	11 U	11 U	12 U	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	11 U	11 U	12 U	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	11 U	11 U	12 U	--	--	--	--
Methylene Chloride	--	20 U	18 U	21 U	--	--	--	--
Styrene	--	11 U	11 U	12 U	--	--	--	--
1,1,2,2-Tetrachloroethane	--	11 U	11 U	12 U	--	--	--	--
Tetrachloroethylene	--	11 U	11 U	12 U	--	--	--	--
1,1,1-Trichloroethane	--	11 U	11 U	12 U	--	--	--	--
1,1,2-Trichloroethane	--	11 U	11 U	12 U	--	--	--	--
Trichloroethylene	--	11 U	11 U	12 U	--	--	--	--
Vinyl Chloride	--	11 U	11 U	12 U	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	23 U	17 U	55 U	--	--	--	--
Bromoform	--	11 U	11 U	12 U	--	--	--	--
Bromomethane	--	11 U	11 U	12 U	--	--	--	--
Carbondisulfide	--	11 U	11 U	12 U	--	--	--	--
2-Hexanone	--	11 U	11 U	12 U	--	--	--	--
Methyl Ethyl Ketone	--	11 U	11 U	12 U	--	--	--	--
Methyl Isobutyl Ketone	--	11 U	11 U	12 U	--	--	--	--

-- Not analyzed.
ND Not detected.
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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB3120	SB3202		SB3204	SB3208	SB3212	SB3216	SB3302
	46.5-48.5'	2-4'		7-9'	17-19'	27-29'	37-39'	2-4'
	10/05/93	09/13/93	09/13/93	09/13/93	09/13/93	09/13/93	09/13/93	09/15/93
	Duplicate	Sample	Duplicate					
BETX COMPOUNDS								
Benzene	3.3	1.2 U	1.2 U	1.2 U	32	4.9	24	240 U
Ethyl Benzene	1.1 U	1.2 U	1.2 U	1.2 U	0.9 J	1.2 U	1.2 U	210 J
Toluene	0.3 J	0.3 J	0.3 J	1.2 U	0.6 J	8.0	5.1	310
m & p Xylene	2.1 U	2.3 U	2.4 U	2.4 U	0.5 J	5.9	2.4 U	9100
o-Xylene	1.1 U	1.2 U	1.2 U	1.2 U	0.9 J	2.8	1.2 U	2700
Sum of BETX	3.6 a	0.3 a	0.3 a	ND	34.9 a	21.6 a	29.1	12110
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB3304 7-9' 09/15/93	SB3308 17-19' 09/15/93	SB3312 27-29' 09/15/93	SB3402 2-4' 10/06/93	SB3404 7-9' 10/06/93	SB3408 17-19' 10/06/93	SB3412 27-29' 10/06/93	SB3502 2-4' 09/21/93
BETX COMPOUNDS								
Benzene	0.3 J	3.5	2.6	770	1.1 U	1.2 U	0.3 J	1.2 U
Ethyl Benzene	13	1.2 U	0.8 J	470	1.1 U	1.2 U	0.9 J	1.2 U
Toluene	1.2 U	9.0	4.0	850	1.1 U	0.6 J	0.6 J	1.2 U
m & p Xylene	16	6.7	3.9	32000	1.2 J	0.5 J	2.1 J	2.3 U
o-Xylene	11	4.0	1.9	10000	0.8 J	0.4 J	1.4	1.2 U
Sum of BETX	40.3 a	23.2 a	13.2 a	44090	2.0 a	1.5 a	5.3 a	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB3504 7-9'	SB3508 17-19'	SB3512 27-29'		SB3602 2-4'	SB3604 7-9'	SB3608 17-19'	SB3613 29.5-31.5'
	09/21/93	09/21/93	09/21/93 Sample	09/21/93 Duplicate	09/21/93	09/21/93	09/21/93	09/21/93
BETX COMPOUNDS								
Benzene	1.2 U	0.6 J	5.8	14	0.4 J	1.1 U	8.9	0.7 J
Ethyl Benzene	1.2 U	2.4	1.2 U	1.2 U	1.4 U	1.1 U	1.1 U	1.3 U
Toluene	1.2 U	1.5	9.4	21	0.5 J	1.1 U	0.2 J	0.5 J
m & p Xylene	2.3 U	0.5 J	0.3 J	2.4 U	2.7 U	2.3 U	2.3 U	2.5 U
o-Xylene	1.2 U	0.4 J	1.2 U	1.2 U	1.4 U	1.1 U	1.1 U	1.3 U
Sum of BETX	ND	5.4 a	15.5 a	35	0.9 a	ND	9.1 a	1.2 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB3702 2-4'	SB3704 7-9'	SB3708 17-19'		SB3714 32-34'	SB3802 2-4'	SB3804 7-9'	
	09/21/93	09/21/93	09/21/93 Sample	09/21/93 Duplicate	09/21/93	09/23/93	09/23/93 Sample	09/23/93 Duplicate
BETX COMPOUNDS								
Benzene	1.2 U	1.2 U	1.1 U	1.2 U	1.1 J	1.1 U	1.2 U	1.2 U
Ethyl Benzene	0.4 J	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U
Toluene	1.2 U	1.2 U	1.1 U	1.2 U	0.3 J	0.4 J	1.2 U	1.2 U
m & p Xylene	2.4 U	2.4 U	2.3 U	2.3 U	2.4 U	2.1 U	2.4 U	2.3 U
o-Xylene	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U
Sum of BETX	0.4 a	ND	ND	ND	1.4 a	0.4 a	ND	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB3808 17-19' 09/23/93	SB3813 29.5-31.5' 09/23/93	SB3902 2-4' 09/17/93	SB3904 7-9' 09/17/93	SB3908 17-19' 09/17/93	SB3913 29.5-31.5' 09/17/93	SB4002 2-4' 10/07/93	SB4005 9.5-11.5' 10/07/93
BETX COMPOUNDS								
Benzene	1.2 U	24	1.1 J	0.7 J	2.5 U	4.7 J	1500	680
Ethyl Benzene	1.2 U	0.4 J	1.2 U	8.2	2.5 U	5.8 U	5100	810
Toluene	1.2 U	0.3 J	0.8 J	1.2 U	5.9	17	10000	3800
m & p Xylene	2.3 U	0.8 J	2.3 U	2.4 U	100	75	69000	14000
o-Xylene	1.2 U	0.6 J	1.2 U	0.7 J	35	5.8 U	18000	3100
Sum of BETX	ND	26.1 a	1.9 a	9.6 a	140.9	96.7	103600	22390
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB4008 17-19'	SB4011 24.5-26.5'	SB4102 2-4'	SB4104 7-9'		SB4108 17-19'	SB4112 27-29'	SB4202 2-4'
	10/07/93	10/07/93	09/16/93	09/16/93 Sample	09/16/93 Duplicate	09/16/93	09/16/93	09/23/93
BETX COMPOUNDS								
Benzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	19	9.2	0.3 J
Ethyl Benzene	0.6 J	25	1.2 U	7.5	4.2	5.3	8.4	1.1 U
Toluene	0.4 J	0.7 J	1.2 U	1.2 U	1.2 U	0.4 J	63	0.8 J
m & p Xylene	3.5	5.2	2.4 U	3.1	1.7 J	2.8	200	2.3 U
o-Xylene	1.7	3.1	1.2 U	0.5 J	0.5 J	2.1	67	1.1 U
Sum of BETX	6.2 a	34 a	ND	11.1 a	6.4 a	29.6 a	347.6	1.1 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
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U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB4204 7-9' 09/23/93	SB4208 17-19' 09/23/93	SB4212 27-29' 09/23/93	SB4302 2-4' 09/15/93	SB4304 7-9' 09/15/93	SB4308 17-19' 09/15/93 Sample	SB4308 17-19' 09/15/93 Duplicate	SB4312 27-29' 09/15/93
BETX COMPOUNDS								
Benzene	1.3	1.5	3.2	1.2 U	1.2 U	1.3	1.1 J	47
Ethyl Benzene	1.2 U	0.4 J	3.1	1.2 U	1.2 U	1.1 J	0.8 J	1.2 U
Toluene	1.2 U	1.2 U	1.7	1.2 U	1.2 U	1.2 U	1.2 U	0.4 J
m & p Xylene	2.4 U	2.4 U	2.5	2.4 U	2.4 U	0.2 J	2.3 U	2.4 U
o-Xylene	1.2 U	1.2 U	1.6	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Sum of BETX	1.3	1.9 a	12.1	ND	ND	2.6 a	1.9 a	47.4 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
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U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB4402 2-4' 09/20/93	SB4404 7-9' 09/20/93	SB4408 17-19' 09/20/93	SB4410 22-24' 09/20/93	SB4412 27-29' 09/20/93	SB4502 2-4' 09/27/93	SB4504 7-9' 09/27/93	SB4508 17-19' 09/27/93
BETX COMPOUNDS								
Benzene	1.2 J	1.2 U	1.2 U	0.6 J	8.0	2.8 J	0.6 J	310
Ethyl Benzene	2.6 U	1.2 J	1.7	8.6	4.2	1.4 U	1.2 U	300
Toluene	23 J	1.2 U	1.2 U	2.7	1.7	1.9 J	0.5 J	250
m & p Xylene	5.2 U	2.3 U	2.1 J	1.4 J	0.5 J	0.8 J	0.4 J	28 J
o-Xylene	2.6 U	0.4 J	1.5	3.2	0.9 J	0.6 J	0.2 J	130
Sum of BETX	24.2 a	1.6 a	5.3 a	16.5 a	15.3 a	6.1 a	1.7 a	1018 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB4513 29.5-31.5'		SB4605 9.5-11.5'	SB4608 17-19'		SB4613 29.5-31.5'	SB4702 2-4'	SB4704 7-9'
	09/27/93 Sample	09/27/93 Duplicate	10/07/93	10/07/93 Sample	10/07/93 Duplicate	10/07/93	10/06/93	10/06/93
BETX COMPOUNDS								
Benzene	11	7.6	1.1 U	1.0 J	0.7 J	69	3.1 J	1.2 U
Ethyl Benzene	3.4	4.3	1.1 U	3.3	2.5	6.2 U	1.3 U	1.2 U
Toluene	2.6	2.0	1.1 U	1.2 U	2.1	28	0.8 J	1.2 U
m & p Xylene	2.3 U	2.4 U	2.3 U	11	8.5	38	0.3 J	2.5 U
o-Xylene	0.9 J	0.7 J	1.1 U	4.7	3.8	20	1.3 U	1.2 U
Sum of BETX	17.9 a	14.6 a	ND	20 a	17.6 a	155	4.2 a	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB4708 17-19' 10/06/93	SB4712 27-29' 10/06/93	SB4714 32-34' 10/06/93	SB4802 2-4' 09/22/93	SB4804 7-9' 09/22/93	SB4808 17-19' 09/22/93	SB4811 24.5-26.5' 09/22/93	SB4813 29.5-31.5' 09/22/93
BETX COMPOUNDS								
Benzene	41	4.1	45	5.9 J	1.2 U	30	19	1.5 J
Ethyl Benzene	36	18	12	0.7 J	1.2 U	1.1 U	21	18
Toluene	20	1.2 U	18	4.0 J	1.2 U	0.3 J	50	9.3
m & p Xylene	140	38	10	0.9 J	2.4 U	2.2 U	2.4 U	0.9 J
o-Xylene	39	16	5.2	0.5 J	1.2 U	1.1 U	1.5	1.8 J
Sum of BETX	276	76.1	90.2	12 a	ND	30.3 a	91.5	31.5
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB4902	SB4904	SB4908	SB4911	SB5002	SB5004		SB5008
	2-4'	7-9'	17-19'	24.5-26.5'	2-4'	7-9'		17-19'
	10/05/93	10/05/93	10/05/93	10/05/93	10/05/93	10/05/93 Sample	10/05/93 Duplicate	10/05/93
BETX COMPOUNDS								
Benzene	1.2 U	1.2 U	76	6.2	7200	2.3	6.0	18
Ethyl Benzene	1.2 U	1.2 U	2.5 U	2.4 U	1600	0.4 J	0.7 J	1.2 U
Toluene	1.2 U	1.2 U	2.5 U	2.4 U	28000	4.5	10	0.7 J
m & p Xylene	2.4 U	2.4 U	4.9 U	4.9 U	45000	5.2	12	0.5 J
o-Xylene	1.2 U	1.2 U	2.5 U	0.9 J	10000	2.9	6.1	1.2 U
Sum of BETX	ND	ND	76	7.1 a	91800	15.3 a	34.8 a	19.2 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB5012 27-29'	SB5104 7-9'	SB5109 19.5-21.5'	SB5112 27-29'	SB5205 9.5-11.5'	SB5208 17-19'	SB5214 32-34'	SB5304 7-9'
	10/05/93	09/16/93	09/16/93	09/16/93	09/15/93	09/15/93	09/15/93	09/16/93
BETX COMPOUNDS								
Benzene	190	1.2 U	2.4	2.0	1.2 U	1.2 U	1.2 U	1.2 U
Ethyl Benzene	62 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Toluene	62 U	1.2 U	1.2 U	0.4 J	1.2 U	1.2 U	1.2 U	1.2 U
m & p Xylene	120 U	2.4 U	2.4 U	0.7 J	2.4 U	2.4 U	2.5 U	2.4 U
o-Xylene	62 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Sum of BETX	190	ND	2.4	3.1 a	ND	ND	ND	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB5312 27-29' 09/16/93	SB5502 2-4' 10/07/93	SB5612 27-29' 10/07/93	SB5710 22-24' 10/07/93	SB5902 2-4' 11/01/93	SB5904 7-9' 11/01/93	SB5908 17-19' 11/01/93	SB5912 27-29' 11/01/93
BETX COMPOUNDS								
Benzene	1.2 U	58 J	270	18	0.7 J	4.4	0.3 J	61
Ethyl Benzene	1.2 U	100	94	39	1.1 J	0.3 J	0.3 J	1.2 U
Toluene	1.2 U	500	320	6.0	1.2 U	1.2 U	1.1 U	1.2 U
m & p Xylene	2.5 U	6900	18	4.9	2.3 U	2.4 U	2.2 U	2.4 U
o-Xylene	1.2 U	1800	20	6.0	1.2 U	1.2 U	1.1 U	0.4 J
Sum of BETX	ND	9358 a	722	73.9	1.8 a	4.7 a	0.6 a	61.4 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--
OTHER COMPOUNDS								
Acetone	--	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-20 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB6002 2-4' 11/01/93	SB6004 7-9' 11/01/93	SB6008 17-19' 11/01/93	SB6012 27-29' 11/01/93
BETX COMPOUNDS				
Benzene	1.4 U	0.4 J	0.5 J	9.5
Ethyl Benzene	1.4 U	2.5	0.5 J	1.5
Toluene	1.4 U	1.5 U	1.2 U	4.2
m & p Xylene	2.7 U	9.7	2.4 U	2.4 U
o-Xylene	1.4 U	5.7	0.6 J	1.7
Sum of BETX	ND	18.3 a	1.6 a	16.9
CHLORINATED COMPOUNDS				
Bromodichloromethane	--	--	--	--
Carbon Tetrachloride	--	--	--	--
Chloroethane	--	--	--	--
Chloroform	--	--	--	--
Chloromethane	--	--	--	--
Chlorobenzene	--	--	--	--
Chlorodibromomethane	--	--	--	--
1,1-Dichloroethane	--	--	--	--
1,2-Dichloroethane	--	--	--	--
1,1-Dichloroethylene	--	--	--	--
1,2-Dichloroethylene	--	--	--	--
1,2-Dichloropropane	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--
Methylene Chloride	--	--	--	--
Styrene	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--
Tetrachloroethylene	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--
Trichloroethylene	--	--	--	--
Vinyl Chloride	--	--	--	--
OTHER COMPOUNDS				
Acetone	--	--	--	--
Bromoform	--	--	--	--
Bromomethane	--	--	--	--
Carbondisulfide	--	--	--	--
2-Hexanone	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-21

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	1 MW3D01 26-28' 03/18/92	P10706 11.5-13.5' 09/03/93	PW0107 14.5-16.5' 08/30/93	PW0112 27-29' 08/31/93	1 SB0403 30-32' 03/20/92	1 SB0601 22.5-24.5' 03/24/92	SB0702 2-4' 08/30/93	SB0704 7-9' 08/30/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	6400 U	48 U	49 U	500 U	4600 U	8400 U	54 U	49 U
Benzo(b)fluoranthene	6400 U	34 U	35 U	360 U	4600 U	8400 U	39 U	35 U
Benzo(k)fluoranthene	6400 U	65 U	67 U	690 U	4600 U	8400 U	75 U	67 U
Benzo(a)pyrene	6400 U	49 U	51 U	520 U	4600 U	8400 U	56 U	51 U
Carbazole	6400 U	49 U	50 U	520 U	4600 U	8400 U	56 U	110 J
Chrysene	6400 U	39 U	41 U	420 U	4600 U	8400 U	45 U	63 J
Dibenzo(ah)anthracene	6400 U	52 U	54 U	550 U	4600 U	8400 U	60 U	54 U
Indeno(1,2,3,cd)pyrene	6400 U	48 U	50 U	510 U	4600 U	8400 U	55 U	50 U
Sum of Carcinogens	ND	ND	ND	ND	ND	ND	ND	173 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	6400 U	42 U	54 J	450 U	4600 U	8400 U	48 U	44 U
Acenaphthylene	6400 U	47 U	48 U	500 U	4600 U	8400 U	54 U	99 J
Anthracene	6400 U	39 U	40 U	410 U	4600 U	8400 U	45 U	42 J
Benzo(ghi)perylene	6400 U	46 U	48 U	490 U	4600 U	8400 U	53 U	48 U
Dibenzofuran	6400 U	45 U	47 U	480 U	4600 U	8400 U	52 U	47 U
Fluoranthene	6400 U	53 U	54 U	560 U	4600 U	8400 U	60 U	380 J
Fluorene	6400 U	48 U	50 U	510 U	4600 U	8400 U	55 U	50 U
2-Methylnaphthalene	6400 U	55 U	57 U	580 U	4600 U	8400 U	63 U	57 U
Naphthalene	6400 U	51 U	1100	540 U	4600 U	3450 J	99 J	53 U
Phenanthrene	6400 U	44 U	46 U	470 U	4600 U	8400 U	78 J	95 J
Pyrene	6400 U	47 U	49 U	500 U	4600 U	8400 U	54 U	250 J
Sum of Non-Carcinogens	ND	ND	1154 a	ND	ND	3450 a	177 a	866 a
Sum of Total PAH Compounds	ND	ND	1154 a	ND	ND	3450 a	177 a	1039 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	6400 U	--	--	--	4600 U	8400 U	--	--
2-Chlorophenol	6400 U	--	--	--	4600 U	8400 U	--	--
o-Cresol	7000	3700 J	39 U	6300	5300	5300 J	54 J	39 U
p-Cresol	25000	14000	43 U	17000	37000	41000	110 J	43 U
2,4-Dichlorophenol	6400 U	--	--	--	4600 U	8400 U	--	--
2,4-Dimethylphenol	2000 J	2000	260 U	2700 J	3600 J	3900 J	290 U	260 U
2,4-Dinitrophenol	16000 U	--	--	--	11000 U	20000 U	--	--
2-Methyl-4,6-dinitrophenol	16000 U	--	--	--	11000 U	20000 U	--	--
2-Nitrophenol	6400 U	--	--	--	4600 U	8400 U	--	--
4-Nitrophenol	16000 U	--	--	--	11000 U	20000 U	--	--
Pentachlorophenol	16000 U	--	--	--	11000 U	1400 J	--	--
Phenol	71000	28000	51 U	50000	35000	37000 J	57 U	51 U
2,4,5-Trichlorophenol	16000 U	--	--	--	11000 U	20000 U	--	--
2,4,6-Trichlorophenol	6400 U	--	--	--	4600 U	8400 U	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
1 U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB0708 17-19' 08/30/93	SB0711 24.5-26.5' 08/30/93	SB0713 29.5-31.5' 08/30/93	SB0807 14.5-16.5' 08/26/93	SB0810 22-24' 08/26/93	SB0812 27-29' 08/26/93	SB0903 4.5-6.5' 08/25/93	SB0909 19.5-21.5' 08/25/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	50 U	50 U	51 U	50 U	50 U	52 U	49 U	49 U
Benzo(b)fluoranthene	35 U	36 U	36 U	35 U	35 U	37 U	35 U	35 U
Benzo(k)fluoranthene	68 U	69 U	70 U	68 U	68 U	71 U	67 U	67 U
Benzo(a)pyrene	51 U	52 U	53 U	51 U	51 U	53 U	51 U	51 U
Carbazole	51 U	52 U	52 U	51 U	51 U	53 U	62 J	50 U
Chrysene	41 U	42 U	42 U	41 U	41 U	43 U	41 U	41 U
Dibenzo(ah)anthracene	55 U	55 U	56 U	55 U	55 U	57 U	54 U	54 U
Indeno(1,2,3,cd)pyrene	50 U	51 U	52 U	50 U	50 U	52 U	50 U	50 U
Sum of Carcinogens	ND	ND	ND	ND	ND	ND	62 a	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	44 U	45 U	45 U	44 U	44 U	46 U	50 J	44 U
Acenaphthylene	49 U	50 U	50 U	49 U	49 U	51 U	48 U	48 U
Anthracene	41 U	41 U	42 U	41 U	41 U	43 U	120 J	40 U
Benzo(ghi)perylene	49 U	49 U	50 U	49 U	49 U	50 U	48 U	48 U
Dibenzofuran	48 U	48 U	49 U	48 U	48 U	49 U	600	47 U
Fluoranthene	55 U	56 U	56 U	55 U	55 U	57 U	71 J	54 U
Fluorene	50 U	51 U	52 U	50 U	50 U	52 U	720	50 U
2-Methylnaphthalene	57 U	58 U	59 U	57 U	57 U	59 U	850	57 U
Naphthalene	4900	5600 J	6100 J	54 U	54 U	56 U	6300	300 J
Phenanthrene	46 U	47 U	47 U	46 U	46 U	48 U	1100	46 U
Pyrene	49 U	50 U	50 U	49 U	49 U	51 U	54 J	49 U
Sum of Non-Carcinogens	4900	5600 a	6100 a	ND	ND	ND	9865 a	300 a
Sum of Total PAH Compounds	4900	5600 a	6100 a	ND	ND	ND	9927 a	300 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	40 U	20000 J	21000 J	40 U	40 U	22000	39 U	5000 J
p-Cresol	43 U	77000	78000	43 U	43 U	63000	43 U	15000
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	270 U	270 U	270 U	270 U	270 U	4600	260 U	2200
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	52 U	200000	210000	52 U	52 U	100000	51 U	39000
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB0912 27-29' 08/25/93	SB1003 4.5-6.5' 08/25/93	SB1007 14.5-16.5' 08/25/93	SB1011 24.5-26.5' 08/25/93	SB1310 22-24' 09/08/93	SB1311 24.5-26.5' 09/08/93	SB1313 29.5-31.5' 09/08/93	SB1404 7-9' 09/09/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	46 U	48 U	50 U	460 U	49 U	49 U	46 U	50 U
Benzo(b)fluoranthene	33 U	34 U	35 U	330 U	35 U	35 U	33 U	35 U
Benzo(k)fluoranthene	64 U	65 U	68 U	630 U	67 U	67 U	63 U	68 U
Benzo(a)pyrene	48 U	49 U	51 U	470 U	51 U	51 U	47 U	51 U
Carbazole	47 U	49 U	51 U	470 U	50 U	50 U	47 U	51 U
Chrysene	38 U	39 U	41 U	380 U	41 U	41 U	38 U	41 U
Dibenzo(ah)anthracene	51 U	52 U	55 U	500 U	54 U	54 U	50 U	55 U
Indeno(1,2,3,cd)pyrene	47 U	48 U	50 U	460 U	50 U	50 U	46 U	50 U
Sum of Carcinogens	ND	ND	ND	ND	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	41 U	42 U	44 U	410 U	44 U	44 U	41 U	44 U
Acenaphthylene	46 U	47 U	49 U	450 U	48 U	48 U	45 U	49 U
Anthracene	38 U	39 U	41 U	380 U	40 U	40 U	38 U	41 U
Benzo(ghi)perylene	45 U	46 U	49 U	450 U	48 U	48 U	45 U	49 U
Dibenzofuran	44 U	45 U	48 U	440 U	47 U	47 U	44 U	48 U
Fluoranthene	57 J	53 U	55 U	510 U	54 U	54 U	51 U	55 U
Fluorene	47 U	48 U	50 U	460 U	50 U	50 U	46 U	50 U
2-Methylnaphthalene	53 U	55 U	57 U	530 U	57 U	57 U	53 U	57 U
Naphthalene	50 U	51 U	54 U	500 U	53 U	53 U	50 U	54 U
Phenanthrene	76 J	44 U	46 U	430 U	46 U	46 U	43 U	46 U
Pyrene	46 U	47 U	49 U	450 U	49 U	49 U	45 U	49 U
Sum of Non-Carcinogens	133 a	ND	ND	ND	ND	ND	ND	ND
Sum of Total PAH Compounds	133 a	ND	ND	ND	ND	ND	ND	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	4900	38 U	40 U	9100	39 U	62 J	8800	40 U
p-Cresol	13000	41 U	43 U	27000	43 U	100 J	38000	43 U
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	2400	250 U	270 U	8100	260 U	460	2600	270 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	21000	49 U	83 J	22000	69 J	130 J	59000	52 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
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01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB1408 17-19'	SB1413 29.5-31.5'	SB1508 17-19'	SB1602 2-4'	SB1604 7-9'	SB1608 17-19'		SB1612 27-29'
	09/09/93	09/09/93	08/31/93	09/29/93	09/29/93	09/29/93 Sample	09/29/93 Duplicate	09/29/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	52 U	45 U	50 U	1900	49 U	47 U	49 U	50 U
Benzo(b)fluoranthene	37 U	32 U	36 U	1800 J	35 U	33 U	35 U	36 U
Benzo(k)fluoranthene	71 U	62 U	69 U	1700	67 U	64 U	67 U	69 U
Benzo(a)pyrene	53 U	47 U	52 U	1400	50 U	48 U	50 U	52 U
Carbazole	53 U	46 U	52 U	220 J	54 J	48 U	50 U	52 U
Chrysene	43 U	38 U	42 U	1900	40 U	39 U	40 U	42 U
Dibenzo(ah)anthracene	57 U	50 U	55 U	510 J	53 U	52 U	53 U	55 U
Indeno(1,2,3,cd)pyrene	52 U	46 U	51 U	920	49 U	47 U	49 U	51 U
Sum of Carcinogens	ND	ND	ND	10350 a	54 a	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	46 U	40 U	45 U	270 J	59 J	42 U	43 U	45 U
Acenaphthylene	51 U	45 U	50 U	910	74 J	46 U	48 U	50 U
Anthracene	43 U	37 U	41 U	680 J	89 J	39 U	40 U	41 U
Benzo(ghi)perylene	50 U	44 U	49 U	870	47 U	46 U	47 U	49 U
Dibenzofuran	49 U	43 U	48 U	400 J	62 J	45 U	47 U	48 U
Fluoranthene	57 U	50 U	56 U	3500	170 J	52 U	54 U	56 U
Fluorene	52 U	46 U	51 U	650 J	210 J	48 U	49 U	51 U
2-Methylnaphthalene	59 U	52 U	58 U	180 J	56 U	54 U	56 U	58 U
Naphthalene	56 U	49 U	54 U	300 J	52 U	51 U	52 U	54 U
Phenanthrene	48 U	42 U	47 U	3700	230 J	44 U	51 J	47 U
Pyrene	51 U	45 U	50 U	3100	99 J	46 U	48 U	50 U
Sum of Non-Carcinogens	ND	ND	ND	14560 a	993 a	ND	51 a	ND
Sum of Total PAH Compounds	ND	ND	ND	24910 a	1047 a	ND	51 a	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	41 U	36 U	40 U	77 U	39 U	38 U	39 U	1200
p-Cresol	45 U	39 U	44 U	83 U	42 U	41 U	42 U	550
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	280 U	240 U	270 U	520 U	260 U	250 U	260 U	2700
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	54 U	47 U	52 U	100 U	51 U	49 U	51 U	52 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB1702 2-4' 09/29/93	SB1704 7-9' 09/29/93	SB1708 17-19' 09/29/93	SB1713 29.5-31.5' 09/29/93 Sample	SB1713 29.5-31.5' 09/29/93 Duplicate	SB1802 2-4' 09/30/93	SB1804 7-9' 09/30/93	SB1808 17-19' 09/30/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	48 U	49 U	49 U	250 U	500 U	510	49 U	49 U
Benzo(b)fluoranthene	59 J	35 U	35 U	180 U	360 U	600	35 U	35 U
Benzo(k)fluoranthene	66 U	67 U	67 U	350 U	690 U	390 J	67 U	67 U
Benzo(a)pyrene	50 U	51 U	51 U	260 U	520 U	350 J	50 U	51 U
Carbazole	49 U	110 J	50 U	260 U	520 U	160 J	120 J	50 U
Chrysene	75 J	66 J	41 U	210 U	420 U	620	40 U	41 U
Dibenzo(ah)anthracene	53 U	54 U	54 U	280 U	550 U	60 U	53 U	54 U
Indeno(1,2,3,cd)pyrene	49 U	50 U	50 U	250 U	510 U	78 J	49 U	50 U
Sum of Carcinogens	134 a	176 a	ND	ND	ND	2708 a	120 a	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	85 J	160 J	44 U	220 U	450 U	120 J	75 J	44 U
Acenaphthylene	63 J	210 J	48 U	250 U	500 U	54 U	160 J	48 U
Anthracene	73 J	73 J	40 U	210 U	410 U	320 J	40 U	40 U
Benzo(ghi)perylene	47 U	48 U	48 U	250 U	490 U	100 J	47 U	48 U
Dibenzofuran	46 U	130 J	47 U	240 U	480 U	280 J	47 U	47 U
Fluoranthene	350 J	250 J	54 U	280 U	560 U	880	54 U	54 U
Fluorene	49 U	100 J	50 U	260 U	510 U	160 J	55 J	50 U
2-Methylnaphthalene	55 U	57 U	57 U	290 U	580 U	580	56 U	57 U
Naphthalene	52 U	53 U	53 U	270 U	540 U	640	52 U	4600
Phenanthrene	59 J	100 J	46 U	230 U	470 U	2000	49 J	46 U
Pyrene	240 J	170 J	49 U	250 U	500 U	820	48 U	49 U
Sum of Non-Carcinogens	870 a	1193 a	ND	ND	ND	5900 a	339 a	4600 a
Sum of Total PAH Compounds	1004 a	1369 a	ND	ND	ND	8608 a	459 a	4600 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	39 U	39 U	39 U	1800 J	1700 J	340 J	39 U	39 U
p-Cresol	42 U	43 U	43 U	15000	16000	410 J	42 U	43 U
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	260 U	260 U	260 U	3700	3500 J	300 UJ	260 U	260 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	50 U	51 U	51 U	5500	5800	890 J	51 U	51 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB1812 27-29'		SB1902 2-4'	SB1904 7-9'	SB1908 17-19'	SB1912 27-29'		SB2002 2-4'
	09/30/93 Sample	09/30/93 Duplicate	09/30/93	09/30/93	09/30/93	09/30/93 Sample	09/30/93 Duplicate	10/04/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	50 U	51 U	49 U	48 U	48 U	52 U	53 U	1000
Benzo(b)fluoranthene	36 U	36 U	35 U	34 U	34 U	37 U	38 U	1200
Benzo(k)fluoranthene	69 U	70 U	67 U	66 U	66 U	72 U	73 U	910
Benzo(a)pyrene	52 U	53 U	50 U	50 U	50 U	54 U	55 U	790
Carbazole	52 U	52 U	50 U	210 J	49 U	53 U	54 U	820
Chrysene	42 U	42 U	40 U	40 U	40 U	43 U	44 U	1000
Dibenzo(ah)anthracene	55 U	56 U	53 U	53 U	53 U	57 U	58 U	160 J
Indeno(1,2,3,cd)pyrene	51 U	52 U	49 U	49 U	49 U	53 U	53 U	280 J
Sum of Carcinogens	ND	ND	ND	210 a	ND	ND	ND	6160 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	45 U	45 U	43 U	64 J	43 U	46 U	47 U	820
Acenaphthylene	50 U	50 U	48 U	1300	47 U	52 U	52 U	1100
Anthracene	41 U	42 U	40 U	40 U	40 U	43 U	44 U	300 J
Benzo(ghi)perylene	49 U	50 U	47 U	47 U	47 U	51 U	52 U	230 J
Dibenzofuran	48 U	49 U	47 U	110 J	46 U	50 U	51 U	820
Fluoranthene	56 U	56 U	54 U	53 U	53 U	58 U	59 U	1800
Fluorene	51 U	52 U	49 U	49 U	49 U	53 U	54 U	1200
2-Methylnaphthalene	58 U	59 U	56 U	170 J	55 U	60 U	61 U	170 J
Naphthalene	54 U	55 U	52 U	6000	2000	56 U	57 U	1300
Phenanthrene	47 U	47 U	45 U	45 U	45 U	48 U	49 U	840
Pyrene	50 U	50 U	48 U	48 U	48 U	52 U	52 U	1200
Sum of Non-Carcinogens	ND	ND	ND	7644 a	2000	ND	ND	9780 a
Sum of Total PAH Compounds	ND	ND	ND	7854 a	2000	ND	ND	15940 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	440	440	39 U	39 U	39 U	42 U	42 U	49 J
p-Cresol	800	780	42 U	42 U	42 U	45 U	46 U	150 J
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	2500	2500	260 U	260 U	260 U	280 U	280 U	280 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	730	680	51 U	50 U	50 U	54 U	55 U	210 J
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2004 7-9'		SB2008 17-19'	SB2009 19.5-21.5'	SB2012 27-29'
	10/04/93 Sample	10/04/93 Duplicate	10/04/93	10/04/93	10/04/93 Sample
CARCINOGENIC COMPOUNDS					
Benzo(a)anthracene	52 U	51 U	100 U	250 U	2600 U
Benzo(b)fluoranthene	37 U	36 U	71 U	180 U	1800 U
Benzo(k)fluoranthene	71 U	70 U	140 U	350 U	3500 U
Benzo(a)pyrene	53 U	53 U	100 U	260 U	2700 U
Carbazole	75 J	59 J	100 U	260 U	2600 U
Chrysene	68 J	42 U	82 U	210 U	2100 U
Dibenzo(ah)anthracene	57 U	56 U	110 U	280 U	2800 U
Indeno(1,2,3,cd)pyrene	52 U	52 U	100 U	250 U	2600 U
Sum of Carcinogens	143 a	59 a	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS					
Acenaphthene	46 U	45 U	88 U	220 U	2300 U
Acenaphthylene	330 J	250 J	98 U	250 U	2500 U
Anthracene	64 J	42 U	82 U	210 U	2100 U
Benzo(ghi)perylene	50 U	50 U	97 U	250 U	2500 U
Dibenzofuran	170 J	180 J	95 U	240 U	2500 U
Fluoranthene	91 J	56 U	110 U	280 U	2900 U
Fluorene	100 J	74 J	100 U	260 U	2600 U
2-Methylnaphthalene	59 U	59 U	110 U	290 U	3000 U
Naphthalene	240 J	160 J	4500	8100	2800 U
Phenanthrene	130 J	47 U	92 U	230 U	2400 U
Pyrene	71 J	50 U	98 U	250 U	2600 U
Sum of Non-Carcinogens	1196 a	664 a	4500	8100	ND
Sum of Total PAH Compounds	1339 a	723 a	4500	8100	ND
PHENOLIC COMPOUNDS					
4-Chloro-3-methylphenol	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--
o-Cresol	41 U	41 U	120 J	3400	16000 J
p-Cresol	45 U	44 U	86 U	12000	59000
2,4-Dichlorophenol	--	--	--	--	--
2,4-Dimethylphenol	280 U	270 U	530 U	1900 J	14000 U
2,4-Dinitrophenol	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--
Phenol	54 U	130 J	100 U	21000	160000
2,4,5-Trichlorophenol	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2102 2-4' 10/01/93	SB2104 7-9' 10/01/93	SB2108 17-19' 10/01/93	SB2113 29.5-31.5' 10/01/93	SB2202 2-4' 09/27/93	SB2204 7-9' 09/27/93	SB2208 17-19' 09/27/93
CARCINOGENIC COMPOUNDS							
Benzo(a)anthracene	2000	200 U	270 U	5200 U	83 J	48 U	49 U
Benzo(b)fluoranthene	2500	140 U	190 U	3700 U	80 J	34 U	35 U
Benzo(k)fluoranthene	1200	270 U	370 U	7100 U	77 J	65 U	67 U
Benzo(a)pyrene	1400	200 U	270 U	5300 U	55 U	49 U	50 U
Carbazole	220 J	200 U	270 U	5300 U	54 U	540	50 U
Chrysene	2300	160 U	220 U	4300 U	97 J	39 U	40 U
Dibenzo(ah)anthracene	370 J	220 U	290 U	5700 U	58 U	52 U	53 U
Indeno(1,2,3,cd)pyrene	620	200 U	270 U	5200 U	53 U	48 U	49 U
Sum of Carcinogens	10610 a	ND	ND	ND	337 a	540	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS							
Acenaphthene	55 U	170 U	240 U	4600 U	47 U	140 J	43 U
Acenaphthylene	530	190 U	260 U	5100 U	52 U	130 J	48 U
Anthracene	660	160 U	220 U	4300 U	44 U	89 J	40 U
Benzo(ghi)perylene	470	190 U	260 U	5000 U	52 U	46 U	47 U
Dibenzofuran	200 J	190 U	260 U	4900 U	51 U	460	47 U
Fluoranthene	2700	220 U	300 U	5700 U	120 J	160 J	54 U
Fluorene	290 J	200 U	270 U	5200 U	54 U	450	49 U
2-Methylnaphthalene	180 J	230 U	310 U	5900 U	61 U	55 U	56 U
Naphthalene	1400	7800	9700	19000 J	79 J	61 J	390
Phenanthrene	1400	180 U	250 U	4800 U	91 J	300 J	45 U
Pyrene	2000	190 U	260 U	5100 U	94 J	120 J	48 U
Sum of Non-Carcinogens	9830 a	7800	9700	19000 a	384 a	1910 a	390
Sum of Total PAH Compounds	20440 a	7800	9700	19000 a	721 a	2450 a	390
PHENOLIC COMPOUNDS							
4-Chloro-3-methylphenol	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--
o-Cresol	55 U	160 U	300 J	22000 J	42 U	38 U	39 U
p-Cresol	80 J	170 U	650 J	80000	46 U	41 U	42 U
2,4-Dichlorophenol	--	--	--	--	--	--	--
2,4-Dimethylphenol	55 U	1100 U	1400 U	28000 U	280 U	250 U	260 U
2,4-Dinitrophenol	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--
Phenol	160 J	200 U	550 J	230000	59 J	49 U	51 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2212 27-29' 09/27/93	SB2302 2-4' 10/05/93	SB2304 7-9' 10/05/93	SB2308 17-19' 10/05/93	SB2313 29.5-31.5' 10/05/93	SB2402 2-4' 09/28/93	SB2404 2-4' 09/28/93
CARCINOGENIC COMPOUNDS							
Benzo(a)anthracene	5200 U	58 U	50 U	49 U	53 U	6900	500 U
Benzo(b)fluoranthene	3700 U	41 U	35 U	35 U	38 U	7600	350 U
Benzo(k)fluoranthene	7100 U	80 U	68 U	67 U	73 U	5100	680 U
Benzo(a)pyrene	5300 U	60 U	51 U	51 U	55 U	5200	510 U
Carbazole	5300 U	59 U	51 U	50 U	54 U	5200 U	15000
Chrysene	4300 U	48 U	41 U	41 U	44 U	6500	410 U
Dibenzo(ah)anthracene	5700 U	64 U	55 U	54 U	58 U	1500 J	550 U
Indeno(1,2,3,cd)pyrene	5200 U	59 U	50 U	50 U	53 U	3400 J	500 U
Sum of Carcinogens	ND	ND	ND	ND	ND	36200 a	15000
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS							
Acenaphthene	4600 U	52 U	44 U	44 U	47 U	4500 U	440 U
Acenaphthylene	5100 U	57 U	110 J	48 U	52 U	790 J	490 U
Anthracene	4300 U	48 U	41 U	40 U	44 U	500 J	410 U
Benzo(ghi)perylene	5000 U	57 U	49 U	48 U	52 U	3700	490 U
Dibenzofuran	4900 U	56 U	48 U	47 U	51 U	4800 U	480 U
Fluoranthene	5700 U	67 J	61 J	54 U	59 U	8800	550 U
Fluorene	5200 U	59 U	50 U	50 U	54 U	5100 U	1000 J
2-Methylnaphthalene	5900 U	67 U	57 U	57 U	61 U	5800 U	630 J
Naphthalene	5600 U	160 J	150 J	3100	690	5500 U	13000
Phenanthrene	4800 U	66 J	46 U	46 U	49 U	2400 J	950 J
Pyrene	5100 U	58 U	49 U	49 U	52 U	9000	490 U
Sum of Non-Carcinogens	ND	293 a	321 a	3100	690	25190 a	15580 a
Sum of Total PAH Compounds	ND	293 a	321 a	3100	690	61390 a	30580 a
PHENOLIC COMPOUNDS							
4-Chloro-3-methylphenol	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--
o-Cresol	31000 J	47 U	40 U	39 U	20000	4100 U	1100 J
p-Cresol	120000	130 J	43 U	43 U	76000	4400 U	1100 J
2,4-Dichlorophenol	--	--	--	--	--	--	--
2,4-Dimethylphenol	28000 U	310 U	270 U	260 U	7200	27000 U	2700 U
2,4-Dinitrophenol	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--
Phenol	310000	240 J	52 U	51 U	200000	5300 U	2600 J
2,4,5-Trichlorophenol	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
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01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2408 17-19'	SB2413 29.5-31.5'		SB2502 2-4'	SB2504 7-9'	SB2508 17-19'	SB2512 27-29'
	09/28/93	09/28/93 Sample	09/28/93 Duplicate	09/28/93	09/28/93	09/28/93	09/28/93
CARCINOGENIC COMPOUNDS							
Benzo(a)anthracene	49 U	480 U	450 U	52 U	48 U	46 U	510 U
Benzo(b)fluoranthene	35 U	340 U	320 U	37 U	34 U	33 U	360 U
Benzo(k)fluoranthene	67 U	660 U	620 U	71 U	66 U	63 U	700 U
Benzo(a)pyrene	51 U	500 U	470 U	53 U	50 U	47 U	530 U
Carbazole	140 J	490 U	460 U	53 U	220 J	47 U	520 U
Chrysene	41 U	400 U	380 U	43 U	40 U	38 U	420 U
Dibenzo(ah)anthracene	54 U	530 U	500 U	57 U	53 U	50 U	560 U
Indeno(1,2,3,cd)pyrene	50 U	490 U	460 U	52 U	49 U	46 U	520 U
Sum of Carcinogens	140 a	ND	ND	ND	220 a	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS							
Acenaphthene	44 U	430 U	400 U	46 U	230 J	41 U	450 U
Acenaphthylene	250 J	470 U	450 U	51 U	780	340 J	500 U
Anthracene	40 U	400 U	370 U	43 U	190 J	38 U	420 U
Benzo(ghi)perylene	48 U	470 U	440 U	50 U	47 U	45 U	500 U
Dibenzofuran	47 U	460 U	430 U	49 U	160 J	44 U	490 U
Fluoranthene	54 U	530 U	500 U	57 U	490	51 U	560 U
Fluorene	50 U	490 U	460 U	52 U	360 J	46 U	520 U
2-Methylnaphthalene	280 J	550 U	520 U	59 U	55 U	53 U	590 U
Naphthalene	7400	1200 J	1000 J	56 U	120 J	2100	710 J
Phenanthrene	46 J	450 U	420 U	48 U	150 J	43 U	470 U
Pyrene	49 U	480 U	450 U	51 U	330 J	45 U	500 U
Sum of Non-Carcinogens	7976 a	1200 a	1000 a	ND	2810 a	2440 a	710 a
Sum of Total PAH Compounds	8116 a	1200 a	1000 a	ND	3030 a	2440 a	710 a
PHENOLIC COMPOUNDS							
4-Chloro-3-methylphenol	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--
o-Cresol	460	1900 J	1900 J	41 U	39 U	37 U	3900 J
p-Cresol	80 J	6800	7600	45 U	42 U	40 U	16000
2,4-Dichlorophenol	--	--	--	--	--	--	--
2,4-Dimethylphenol	830	2600 U	2400 U	280 U	260 U	250 U	2700 U
2,4-Dinitrophenol	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--
Phenol	110 J	18000	20000	54 U	52 J	48 U	31000
2,4,5-Trichlorophenol	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
sb1.prn
01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2602 2-4'	SB2604 7-9'	SB2608 17-19'	SB2612 27-29'		SB2702 2-4'	SB2704 7-9'
	09/28/93	09/28/93	09/28/93	09/28/93 Sample	09/28/93 Duplicate	08/24/93	08/24/93
CARCINOGENIC COMPOUNDS							
Benzo(a)anthracene	12000 J	48 U	49 U	450 U	450 U	350000 J	250000 J
Benzo(b)fluoranthene	13000 J	34 U	35 U	320 U	320 U	150000 J	130000 J
Benzo(k)fluoranthene	12000 J	65 U	67 U	620 U	620 U	240000 J	6700 U
Benzo(a)pyrene	7200 J	49 U	50 U	460 U	470 U	140000 J	5000 U
Carbazole	120000	49 U	50 U	460 U	460 U	4900 U	5000 U
Chrysene	14000 J	39 U	40 U	370 U	380 U	390000 J	250000 J
Dibenzo(ah)anthracene	730 U	52 U	53 U	490 U	500 U	5300 U	5300 U
Indeno(1,2,3,cd)pyrene	670 U	48 U	49 U	450 U	460 U	4900 U	4900 U
Sum of Carcinogens	178200 a	ND	ND	ND	ND	1270000 a	630000 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS							
Acenaphthene	22000 J	1100	43 U	400 U	400 U	1100000 J	1000000 J
Acenaphthylene	99000	85 J	48 U	440 U	450 U	4700 U	4800 U
Anthracene	24000 J	57 J	40 U	370 U	370 U	820000 J	330000 J
Benzo(ghi)perylene	650 U	46 U	47 U	440 U	440 U	4700 U	4700 U
Dibenzofuran	140000	50 J	47 U	430 U	430 U	660000 J	700000 J
Fluoranthene	31000 J	200 J	54 U	500 U	500 U	1900000	1300000
Fluorene	180000	1400	49 U	450 U	460 U	1200000	1000000 J
2-Methylnaphthalene	280000	55 U	56 U	520 U	520 U	5500 U	5600 U
Naphthalene	740000	51 U	4900	480 U	490 U	5200 U	1300000
Phenanthrene	140000	90 J	45 U	420 U	420 U	3000000	2700000
Pyrene	27000 J	67 J	48 U	440 U	450 U	1200000	880000 J
Sum of Non-Carcinogens	1683000 a	3049 a	4900	ND	ND	9880000 a	9210000 a
Sum of Total PAH Compounds	1861200 a	3049 a	4900	ND	ND	11150000 a	9840000 a
PHENOLIC COMPOUNDS							
4-Chloro-3-methylphenol	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--
o-Cresol	530 U	38 U	39 U	2700 J	5000	3900 U	3900 U
p-Cresol	12000 J	41 U	42 U	12000	21000	4200 U	4200 U
2,4-Dichlorophenol	--	--	--	--	--	--	--
2,4-Dimethylphenol	3600 U	250 U	260 U	2400 U	2500 J	26000 U	26000 U
2,4-Dinitrophenol	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--
Phenol	19000 J	49 U	51 U	29000	43000	5000 U	5100 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
sb1.prn
01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2708 17-19' 08/24/93	SB2712 27-29' 08/24/93	SB2802 2-4' 09/29/93	SB2804 7-9' 09/29/93	SB2808 17-19' 09/29/93	SB2812 27-29' 09/29/93	SB2902 2-4' 09/30/93
CARCINOGENIC COMPOUNDS							
Benzo(a)anthracene	7900 J	2800 J	9100	1400 J	490 U	520 U	46 U
Benzo(b)fluoranthene	3600 J	1600 J	13000 J	1300 J	350 U	370 U	110 J
Benzo(k)fluoranthene	5100 J	1600 J	6700	690 U	670 U	710 U	63 U
Benzo(a)pyrene	3600 J	1300 J	7400	520 U	510 U	530 U	47 U
Carbazole	5900 J	4500	2900 J	1500 J	1500 J	530 U	47 U
Chrysene	7500 J	2800 J	11000	1400 J	410 U	430 U	340 J
Dibenzo(ah)anthracene	2600 U	530 U	1200 J	550 U	540 U	570 U	50 U
Indeno(1,2,3,cd)pyrene	2400 U	520 J	4900	510 U	500 U	520 U	46 U
Sum of Carcinogens	33600 a	15120 a	56200 a	5600 a	1500 a	ND	450 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS							
Acenaphthene	33000	10000	540 J	6300	2000 J	1200 J	41 U
Acenaphthylene	2400 U	980 J	1300 J	500 U	480 U	510 U	45 U
Anthracene	11000 J	5600	11000	2700 J	400 U	430 U	38 U
Benzo(ghi)perylene	2300 U	530 J	4500	490 U	480 U	500 U	45 U
Dibenzofuran	22000	7900	610 J	4100	470 U	630 J	44 U
Fluoranthene	41000	13000	15000	6800	540 U	1200 J	51 U
Fluorene	32000	11000	880 J	5100	500 U	860 J	110 J
2-Methylnaphthalene	8300 J	7500	590 U	580 U	3000 J	590 U	98 J
Naphthalene	34000	38000	550 U	18000	24000	6500	50 U
Phenanthrene	75000	22000	5300	14000	460 U	2400 J	420
Pyrene	27000	9300	14000	4700	490 U	740 J	81 J
Sum of Non-Carcinogens	283300 a	125810 a	53130 a	61700 a	29000 a	13530 a	709 a
Sum of Total PAH Compounds	316900 a	140930 a	109330 a	67300 a	30500 a	13530 a	1159 a
PHENOLIC COMPOUNDS							
4-Chloro-3-methylphenol	--	--	--	--	--	--	47 U
2-Chlorophenol	--	--	--	--	--	--	52 U
o-Cresol	1900 U	970 J	410 U	400 U	390 U	14000	37 U
p-Cresol	2100 U	3500 J	440 U	440 U	430 U	35000	40 U
2,4-Dichlorophenol	--	--	--	--	--	--	36 U
2,4-Dimethylphenol	13000 U	2600 U	2700 U	2700 U	2600 U	4700	250 U
2,4-Dinitrophenol	--	--	--	--	--	--	92 U
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	160 U
2-Nitrophenol	--	--	--	--	--	--	56 U
4-Nitrophenol	--	--	--	--	--	--	270 U
Pentachlorophenol	--	--	--	--	--	--	59 U
Phenol	2500 U	6000	530 U	520 U	510 U	100000	48 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	60 U
2,4,6-Trichlorophenol	--	--	--	--	--	--	43 U

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
sb1.prn
01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2708 17-19' 08/24/93	SB2712 27-29' 08/24/93	SB2802 2-4' 09/29/93	SB2804 7-9' 09/29/93	SB2808 17-19' 09/29/93	SB2812 27-29' 09/29/93	SB2902 2-4' 09/30/93
OTHER SEMI-VOLATILE ORGANIC COMPOUNDS							
Bis(2-chloroethoxy)methane	--	--	--	--	--	--	51 U
Bis(2-chloroethyl)ether	--	--	--	--	--	--	59 U
Bis(2-chloroisopropyl)ether	--	--	--	--	--	--	51 U
Bis(2-ethylhexyl)phthalate	--	--	--	--	--	--	200 J
4-Bromophenyl phenyl ether	--	--	--	--	--	--	34 U
Butyl benzyl phthalate	--	--	--	--	--	--	360 J
4-Chloroaniline	--	--	--	--	--	--	64 U
2-Chloronaphthalene	--	--	--	--	--	--	45 U
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	42 U
Di-n-butyl phthalate	--	--	--	--	--	--	95 U
Di-n-octyl phthalate	--	--	--	--	--	--	62 U
1,2-Dichlorobenzene	--	--	--	--	--	--	56 U
1,3-Dichlorobenzene	--	--	--	--	--	--	57 U
1,4-Dichlorobenzene	--	--	--	--	--	--	56 U
3,3-Dichlorobenzidine	--	--	--	--	--	--	180 U
Diethyl phthalate	--	--	--	--	--	--	55 J
Dimethyl phthalate	--	--	--	--	--	--	48 U
2,4-Dinitrotoluene	--	--	--	--	--	--	57 U
2,6-Dinitrotoluene	--	--	--	--	--	--	51 U
Hexachlorobenzene	--	--	--	--	--	--	36 U
Hexachlorobutadiene	--	--	--	--	--	--	52 U
Hexachlorocyclopentadiene	--	--	--	--	--	--	46 U
Hexachloroethane	--	--	--	--	--	--	52 U
Isophorone	--	--	--	--	--	--	54 U
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	46 U
N-Nitrosodiphenylamine	--	--	--	--	--	--	41 U
2-Nitroaniline	--	--	--	--	--	--	41 U
3-Nitroaniline	--	--	--	--	--	--	110 U
4-Nitroaniline	--	--	--	--	--	--	140 U
Nitrobenzene	--	--	--	--	--	--	52 U
1,2,4-Trichlorobenzene	--	--	--	--	--	--	56 U

\- Not analyzed.
Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
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01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2904 7-9'	SB2908 17-19'	SB2911 24.5-26.5'	SB3003 4.5-6.5'	SB3007 14.5-16.5'		SB3009 19.5-21.5'	SB3011 24.5-26.5'
	09/30/93	09/30/93	09/30/93	10/05/93	10/05/93 Sample	10/05/93 Duplicate	10/05/93	10/05/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	560 J	240 U	510 U	15000	43 U	44 U	49 U	49 U
Benzo(b)fluoranthene	590 J	170 U	360 U	19000	31 U	31 U	35 U	35 U
Benzo(k)fluoranthene	350 U	330 U	700 U	11000	59 U	60 U	67 U	67 U
Benzo(a)pyrene	260 U	250 U	530 U	13000	44 U	45 U	51 U	51 U
Carbazole	430 J	250 U	520 U	1300 J	44 U	45 U	50 U	50 U
Chrysene	660 J	200 U	420 U	20000	36 U	36 U	41 U	41 U
Dibenzo(ah)anthracene	280 U	260 U	560 U	15^0 J	47 U	48 U	54 U	54 U
Indeno(1,2,3,cd)pyrene	260 U	240 U	520 U	2300 J	43 U	44 U	50 U	50 U
Sum of Carcinogens	2240 a	ND	ND	83100 a	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	5600	210 U	450 U	450 U	38 U	39 U	44 U	44 U
Acenaphthylene	250 U	240 U	500 U	4300	42 U	43 U	48 U	48 U
Anthracene	430 J	200 U	420 U	5500	35 U	36 U	40 U	40 U
Benzo(ghi)perylene	250 U	230 U	500 U	1800 J	42 U	43 U	48 U	48 U
Dibenzofuran	470 J	230 U	490 U	1000 J	41 U	42 U	47 U	47 U
Fluoranthene	2600	270 U	560 U	19000	48 U	49 U	54 U	54 U
Fluorene	290 J	240 U	520 U	1700 J	44 U	45 U	50 U	50 U
2-Methylnaphthalene	290 U	280 U	590 U	1300 J	50 U	51 U	57 U	57 U
Naphthalene	720 J	260 U	550 U	2700 J	46 U	47 U	53 U	53 U
Phenanthrene	2100	220 U	470 U	9500	40 U	41 U	46 U	46 U
Pyrene	2000 J	240 U	500 U	12000	43 U	43 U	49 U	49 U
Sum of Non-Carcinogens	14210 a	ND	ND	58800 a	ND	ND	ND	ND
Sum of Total PAH Compounds	16450 a	ND	ND	141900 a	ND	ND	ND	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	520 U	44 U	45 U	50 U	--
2-Chlorophenol	--	--	--	580 U	49 U	50 U	56 U	--
o-Cresol	200 U	2600	4500	410 U	35 U	35 U	39 U	39 U
p-Cresol	220 U	5800	22000	440 U	37 U	38 U	43 U	43 U
2,4-Dichlorophenol	--	--	--	400 U	33 U	34 U	38 U	--
2,4-Dimethylphenol	1400 U	1300 U	2700 U	2700 U	230 U	240 U	260 U	260 UJ
2,4-Dinitrophenol	--	--	--	1000 U	86 U	88 U	99 U	--
2-Methyl-4,6-dinitrophenol	--	--	--	1800 U	150 U	150 U	170 U	--
2-Nitrophenol	--	--	--	620 U	53 U	54 U	60 U	--
4-Nitrophenol	--	--	--	3000 U	250 U	260 U	290 U	--
Pentachlorophenol	--	--	--	660 U	56 U	57 U	63 U	--
Phenol	270 U	13000	31000	530 U	45 U	46 U	51 U	63 J
2,4,5-Trichlorophenol	--	--	--	660 U	56 U	57 U	64 U	--
2,4,6-Trichlorophenol	--	--	--	470 U	40 U	41 U	46 U	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
sb2.prn
01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB2904 7-9'	SB2908 17-19'	SB2911 24.5-26.5'	SB3003 4.5-6.5'	SB3007 14.5-16.5'		SB3009 19.5-21.5'	SB3011 24.5-26.5'
	09/30/93	09/30/93	09/30/93	10/05/93	10/05/93 Sample	10/05/93 Duplicate	10/05/93	10/05/93
OTHER SEMIVOLATILE ORGANIC COMPOUNDS								
Bis(2-chloroethoxy)methane	--	--	--	570 U	48 U	49 U	55 U	--
Bis(2-chloroethyl)ether	--	--	--	660 U	56 U	57 U	64 U	--
Bis(2-chloroisopropyl)ether	--	--	--	560 U	48 U	49 U	54 U	--
Bis(2-ethylhexyl)phthalate	--	--	--	1300 U	110 U	150 J	130 U	--
4-Bromophenyl phenyl ether	--	--	--	370 U	32 U	32 U	36 U	--
Butyl benzyl phthalate	--	--	--	520 U	44 U	63 J	50 U	--
4-Chloroaniline	--	--	--	710 U	60 U	62 U	69 U	--
2-Chloronaphthalene	--	--	--	500 U	42 U	43 U	48 U	--
4-Chlorophenyl phenyl ether	--	--	--	470 U	39 U	40 U	45 U	--
Di-n-butyl phthalate	--	--	--	1100 U	89 U	91 U	100 U	--
Di-n-octyl phthalate	--	--	--	690 U	58 U	59 U	66 U	--
1,2-Dichlorobenzene	--	--	--	620 U	52 U	53 U	60 U	--
1,3-Dichlorobenzene	--	--	--	630 U	54 U	55 U	61 U	--
1,4-Dichlorobenzene	--	--	--	630 U	53 U	54 U	60 U	--
3,3-Dichlorobenzidine	--	--	--	2000 U	170 U	170 U	190 U	--
Diethyl phthalate	--	--	--	570 U	48 U	49 U	55 U	--
Dimethyl phthalate	--	--	--	540 U	45 U	46 U	52 U	--
2,4-Dinitrotoluene	--	--	--	630 U	53 U	54 U	61 U	--
2,6-Dinitrotoluene	--	--	--	560 U	47 U	48 U	54 U	--
Hexachlorobenzene	--	--	--	400 U	33 U	34 U	38 U	--
Hexachlorobutadiene	--	--	--	580 U	49 U	50 U	56 U	--
Hexachlorocyclopentadiene	--	--	--	510 U	43 U	44 U	49 U	--
Hexachloroethane	--	--	--	580 U	49 U	50 U	56 U	--
Isophorone	--	--	--	600 U	50 U	51 U	57 U	--
N-Nitrosodi-n-propylamine	--	--	--	510 U	43 U	44 U	49 U	--
N-Nitrosodiphenylamine	--	--	--	450 U	38 U	39 U	44 U	--
2-Nitroaniline	--	--	--	460 U	39 U	40 U	44 U	--
3-Nitroaniline	--	--	--	1200 U	100 U	100 U	120 U	--
4-Nitroaniline	--	--	--	1600 U	130 U	130 U	150 U	--
Nitrobenzene	--	--	--	580 U	49 U	50 U	56 U	--
1,2,4-Trichlorobenzene	--	--	--	620 U	52 U	53 U	60 U	--

\- Not analyzed.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
sb2.prn
01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB3015 34.5-36.5' 10/05/93	SB3018 42-44' 10/05/93	SB3103 4.5-6.5' 10/05/93	SB3107 14.5-16.5' 10/05/93	SB3110 22-24' 10/05/93	SB3112 27-29' 10/05/93	SB3116 37-39' 10/05/93	SB3118 42-44' 10/05/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	50 U	50 U	160 J	390	49 U	50 U	51 U	54 U
Benzo(b)fluoranthene	36 U	35 U	180 J	410	35 U	35 U	36 U	39 U
Benzo(k)fluoranthene	69 U	68 U	150 J	350	67 U	68 U	70 U	75 U
Benzo(a)pyrene	52 U	51 U	150 J	300 J	51 U	51 U	53 U	56 U
Carbazole	52 U	51 U	44 U	44 U	50 U	51 U	52 U	56 U
Chrysene	42 U	41 U	310 J	460	41 U	41 U	42 U	45 U
Dibenzo(ah)anthracene	55 U	55 U	35 J	75 J	54 U	55 U	56 U	60 U
Indeno(1,2,3,cd)pyrene	51 U	50 U	81 J	170 J	50 U	50 U	52 U	55 U
Sum of Carcinogens	ND	ND	1066 a	2155 a	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	45 U	44 U	140 J	250 J	44 U	44 U	45 U	48 U
Acenaphthylene	50 U	49 U	48 J	58 J	48 U	49 U	50 U	54 U
Anthracene	41 U	41 U	85 J	180 J	40 U	41 U	42 U	45 U
Benzo(ghi)perylene	49 U	49 U	83 J	200 J	48 U	49 U	50 U	53 U
Dibenzofuran	48 U	48 U	58 J	120 J	47 U	48 U	49 U	52 U
Fluoranthene	56 U	55 U	330 J	910	54 U	55 U	56 U	60 U
Fluorene	51 U	50 U	56 J	130 J	50 U	50 U	52 U	55 U
2-Methylnaphthalene	58 U	57 U	50 U	91 J	57 U	57 U	59 U	63 U
Naphthalene	54 U	54 U	490	290 J	53 U	54 U	55 U	59 U
Phenanthrene	47 U	46 U	190 J	310 J	46 U	46 U	47 U	50 U
Pyrene	50 U	49 U	250 J	820	49 U	49 U	50 U	54 U
Sum of Non-Carcinogens	ND	ND	1730 a	3359 a	ND	ND	ND	ND
Sum of Total PAH Compounds	ND	ND	2796 a	5514 a	ND	ND	ND	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	44 U	44 U	50 U	--	--	--
2-Chlorophenol	--	--	49 U	49 U	56 U	--	--	--
o-Cresol	6600 J	6200 J	35 U	35 U	39 U	40 U	41 U	44 U
p-Cresol	24000	21000	46 J	38 U	43 U	43 U	44 U	63 J
2,4-Dichlorophenol	--	--	34 U	34 U	38 U	--	--	--
2,4-Dimethylphenol	2500	5800	230 U	230 U	260 U	270 U	270 U	290 U
2,4-Dinitrophenol	--	--	87 U	87 U	99 U	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	150 U	150 U	170 U	--	--	--
2-Nitrophenol	--	--	53 U	53 U	60 U	--	--	--
4-Nitrophenol	--	--	260 U	260 U	290 U	--	--	--
Pentachlorophenol	--	--	56 U	56 U	63 U	--	--	--
Phenol	59000	28000	45 U	45 U	51 U	52 U	53 U	57 U
2,4,5-Trichlorophenol	--	--	56 U	56 U	64 U	--	--	--
2,4,6-Trichlorophenol	--	--	40 U	40 U	46 U	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
sb2.prn
01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB3015 34.5-36.5' 10/05/93	SB3018 42-44' 10/05/93	SB3103 4.5-6.5' 10/05/93	SB3107 14.5-16.5' 10/05/93	SB3110 22-24' 10/05/93	SB3112 27-29' 10/05/93	SB3116 37-39' 10/05/93	SB3118 42-44' 10/05/93
OTHER SEMIVOLATILE ORGANIC COMPOUNDS								
Bis(2-chloroethoxy)methane	--	--	49 U	49 U	55 U	--	--	--
Bis(2-chloroethyl)ether	--	--	56 U	56 U	64 U	--	--	--
Bis(2-chloroisopropyl)ether	--	--	48 U	48 U	54 U	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	110 U	110 U	130 U	--	--	--
4-Bromophenyl phenyl ether	--	--	32 U	32 U	36 U	--	--	--
Butyl benzyl phthalate	--	--	44 U	44 U	50 U	--	--	--
4-Chloroaniline	--	--	61 U	61 U	69 U	--	--	--
2-Chloronaphthalene	--	--	43 U	43 U	48 U	--	--	--
4-Chlorophenyl phenyl ether	--	--	40 U	40 U	45 U	--	--	--
Di-n-butyl phthalate	--	--	90 U	90 U	100 U	--	--	--
Di-n-octyl phthalate	--	--	59 U	59 U	66 U	--	--	--
1,2-Dichlorobenzene	--	--	53 U	53 U	60 U	--	--	--
1,3-Dichlorobenzene	--	--	54 U	54 U	61 U	--	--	--
1,4-Dichlorobenzene	--	--	53 U	53 U	60 U	--	--	--
3,3-Dichlorobenzidine	--	--	170 U	170 U	190 U	--	--	--
Diethyl phthalate	--	--	49 U	49 U	55 U	--	--	--
Dimethyl phthalate	--	--	46 U	46 U	52 U	--	--	--
2,4-Dinitrotoluene	--	--	54 U	54 U	61 U	--	--	--
2,6-Dinitrotoluene	--	--	48 U	48 U	54 U	--	--	--
Hexachlorobenzene	--	--	34 U	34 U	38 U	--	--	--
Hexachlorobutadiene	--	--	50 U	50 U	56 U	--	--	--
Hexachlorocyclopentadiene	--	--	43 U	43 U	49 U	--	--	--
Hexachloroethane	--	--	49 U	49 U	56 U	--	--	--
Isophorone	--	--	51 U	51 U	57 U	--	--	--
N-Nitrosodi-n-propylamine	--	--	44 U	44 U	49 U	--	--	--
N-Nitrosodiphenylamine	--	--	39 U	39 U	44 U	--	--	--
2-Nitroaniline	--	--	39 U	39 U	44 U	--	--	--
3-Nitroaniline	--	--	100 U	100 U	120 U	--	--	--
4-Nitroaniline	--	--	130 U	130 U	150 U	--	--	--
Nitrobenzene	--	--	49 U	49 U	56 U	--	--	--
1,2,4-Trichlorobenzene	--	--	53 U	53 U	60 U	--	--	--

-- Not analyzed.
U Not detected.
sb2.prn
01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB3120 46.5-48.5'		SB3202 2-4'		SB3204 7-9'	SB3208 17-19'	SB3212 27-29'	SB3216 37-39'
	10/05/93 Sample	10/05/93 Duplicate	09/13/93 Sample	09/13/93 Duplicate	09/13/93	09/13/93	09/13/93	09/13/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	45 U	44 U	1700	1300	50 U	46 U	50 U	48 U
Benzo(b)fluoranthene	32 U	32 U	1700	1500	35 U	33 U	36 U	34 U
Benzo(k)fluoranthene	62 U	61 U	1300	1100	68 U	64 UJ	69 U	65 U
Benzo(a)pyrene	46 U	46 U	1400	1100	51 U	48 U	52 U	49 U
Carbazole	46 U	45 U	350 J	250 J	62 J	64 J	52 U	49 U
Chrysene	37 U	37 U	1800	1500	41 U	38 U	42 U	39 U
Dibenzo(ah)anthracene	49 U	49 U	370 J	310 J	55 UJ	51 U	55 UJ	52 UJ
Indeno(1,2,3,cd)pyrene	45 U	45 U	660	610	50 U	47 U	51 U	48 U
Sum of Carcinogens	ND	ND	9280 a	7670 a	62 a	64 a	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	40 U	39 U	300 J	190 J	110 J	67 J	45 U	42 U
Acenaphthylene	44 U	44 U	110 J	77 J	49 U	400	50 U	47 U
Anthracene	37 U	37 U	420	260 J	180 J	38 U	41 U	39 U
Benzo(ghi)perylene	44 U	43 U	530	510	49 U	45 U	49 U	46 U
Dibenzofuran	43 U	43 U	220 J	130 J	50 J	44 U	48 U	45 U
Fluoranthene	50 U	49 U	2700	2300	94 J	51 U	56 U	53 U
Fluorene	45 U	45 U	300 J	170 J	57 J	47 U	51 U	48 U
2-Methylnaphthalene	52 U	51 U	100 J	57 J	57 U	53 U	58 U	55 U
Naphthalene	48 U	48 U	240 J	130 J	54 U	52 J	21000	230 J
Phenanthrene	42 U	41 U	2200	1600	210 J	43 U	47 U	44 U
Pyrene	44 U	44 U	2600	2100	67 J	46 U	50 U	47 U
Sum of Non-Carcinogens	ND	ND	9720 a	7524 a	768 a	519 a	21000	230 a
Sum of Total PAH Compounds	ND	ND	19000 a	15194 a	830 a	583 a	21000	230 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	11000 J	15000	39 U	39 U	40 U	37 U	4800	11000
p-Cresol	33000 J	45000	42 U	42 U	43 U	40 U	13000	28000
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7100 J	10000	260 U	260 U	270 UJ	260 J	2900	4400
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	11000 J	14000	51 U	51 U	76 J	48 U	5400	52000
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
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01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB3302 2-4' 09/15/93	SB3304 7-9' 09/15/93	SB3308 17-19' 09/15/93	SB3312 27-29' 09/15/93	SB3402 2-4' 10/06/93	SB3404 7-9' 10/06/93	SB3408 17-19' 10/06/93	SB3412 27-29' 10/06/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	4900	91 J	49 U	47 U	34000 U	1200 U	480 U	5000 U
Benzo(b)fluoranthene	4500	87 J	35 U	33 U	24000 U	840 U	340 U	3600 U
Benzo(k)fluoranthene	4200	77 J	67 U	64 U	46000 U	1600 U	660 U	6900 U
Benzo(a)pyrene	3100 J	57 J	50 U	48 U	35000 U	1200 U	500 U	5200 U
Carbazole	1300 J	50 U	50 U	48 U	35000 U	1400 J	490 U	5200 U
Chrysene	5300	110 J	40 U	39 U	30000 J	980 U	400 U	4200 U
Dibenzo(ah)anthracene	960 J	54 U	53 U	52 U	37000 U	1300 U	530 U	5500 U
Indeno(1,2,3,cd)pyrene	1800 J	50 U	49 U	47 U	34000 U	1200 U	490 U	5100 U
Sum of Carcinogens	26060 a	422 a	ND	ND	30000 a	1400 a	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	3100 J	190 J	43 U	42 U	30000 U	1100 U	430 U	4500 U
Acenaphthylene	23000	2100	440	46 U	33000 U	1200 U	470 U	5000 U
Anthracene	7500	150 J	40 U	39 U	34000 J	980 U	400 U	4100 U
Benzo(ghi)perylene	1800 J	48 U	47 U	46 U	33000 U	1200 U	470 U	4900 U
Dibenzofuran	17000	1500	47 U	45 U	58000 J	1100 U	460 U	4800 U
Fluoranthene	20000	350 J	54 U	52 U	88000 J	1300 U	530 U	5600 U
Fluorene	12000	460	49 U	48 U	91000 J	1200 U	490 U	5100 U
2-Methylnaphthalene	140000	10000 J	1200	54 U	320000 J	4100 J	660 J	5800 U
Naphthalene	530000	83000	15000	9000	760000	46000	18000	5400 U
Phenanthrene	30000	710	45 U	44 U	180000 J	1600 J	450 U	4700 U
Pyrene	9200	240 J	48 U	46 U	76000 J	1200 U	480 U	5000 U
Sum of Non-Carcinogens	793600 a	98700 a	16640	9000	1607000 a	51700 a	18660 a	ND
Sum of Total PAH Compounds	819660 a	99122 a	16640	9000	1637000 a	53100 a	18660 a	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	390 U	41 J	1300	1600	27000 U	950 U	1100 J	14000 J
p-Cresol	420 U	110 J	1900	3900	29000 U	1000 U	3400 J	52000
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	2600 U	260 U	870	920	180000 U	6400 U	2600 U	27000 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	510 U	51 U	320 J	2500	35000 U	1200 U	7400	130000
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB3502 2-4'	SB3504 7-9'	SB3508 17-19'	SB3512 27-29'		SB3602 2-4'	SB3604 7-9'	SB3608 17-19'
	09/21/93	09/21/93	09/21/93	09/21/93 Sample	09/21/93 Duplicate	09/21/93	09/21/93	09/21/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	48 U	48 U	46 U	5000 U	50 U	110 J	510	47 U
Benzo(b)fluoranthene	59 J	45 J	33 U	3500 U	35 U	240 J	470	33 U
Benzo(k)fluoranthene	66 U	66 U	64 U	6800 U	68 U	77 U	440	64 U
Benzo(a)pyrene	50 U	50 U	48 U	5100 U	51 U	91 J	390	48 U
Carbazole	49 U	49 U	47 U	5100 U	51 U	57 U	85 J	48 U
Chrysene	40 U	60 J	38 U	4100 U	41 U	160 J	500	39 U
Dibenzo(ah)anthracene	53 U	53 U	51 U	5500 U	55 U	61 U	87 J	52 U
Indeno(1,2,3,cd)pyrene	49 U	49 U	47 U	5000 U	50 U	65 J	200 J	47 U
Sum of Carcinogens	59 a	105 a	ND	ND	ND	666 a	2682 a	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	43 U	43 U	41 U	4400 U	44 U	50 U	42 U	42 U
Acenaphthylene	47 U	47 U	46 U	4900 U	49 U	55 U	79 J	46 U
Anthracene	40 U	40 U	38 U	4100 U	41 U	46 U	78 J	39 U
Benzo(ghi)perylene	47 U	47 U	45 U	4900 U	49 U	82 J	180 J	46 U
Dibenzofuran	46 U	46 U	44 U	4800 U	48 U	53 U	45 U	45 U
Fluoranthene	74 J	190 J	51 U	5500 U	55 U	190 J	860	52 U
Fluorene	49 U	49 U	47 U	5000 U	50 U	57 U	48 U	48 U
2-Methylnaphthalene	55 U	55 U	53 U	5700 U	57 U	64 U	110 J	54 U
Naphthalene	52 U	52 U	50 U	5400 U	54 U	85 J	280 J	51 U
Phenanthrene	45 U	56 J	43 U	4600 U	46 U	190 J	320 J	44 U
Pyrene	50 J	130 J	46 U	4900 U	49 U	130 J	590	46 U
Sum of Non-Carcinogens	124 a	376 a	ND	ND	ND	677 a	2497 a	ND
Sum of Total PAH Compounds	183 a	481 a	ND	ND	ND	1343 a	5179 a	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	39 U	39 U	890	25000 J	20000 J	45 U	38 U	38 U
p-Cresol	42 U	42 U	2200	89000	72000	48 U	41 U	41 U
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	260 U	260 U	900	27000 U	270 U	300 U	250 U	250 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	50 U	50 U	2300	270000	220000	200 J	49 U	49 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB3613 29.5-31.5'	SB3702 2-4'	SB3704 7-9'	SB3708 17-19'		SB3714 32-34'	SB3802 2-4'
	09/21/93	09/21/93	09/21/93	09/21/93 Sample	09/21/93 Duplicate	09/21/93	09/23/93
CARCINOGENIC COMPOUNDS							
Benzo(a)anthracene	5200 U	49 U	59 J	48 U	48 U	2500 U	1900
Benzo(b)fluoranthene	3700 U	35 U	110 J	34 U	34 U	1800 U	2500
Benzo(k)fluoranthene	7200 U	67 U	67 U	65 U	65 U	3400 U	1300
Benzo(a)pyrene	5400 U	51 U	50 U	49 U	49 U	2600 U	1500
Carbazole	5300 U	50 U	50 U	49 U	49 U	2500 U	150 J
Chrysene	4300 U	41 U	98 J	39 U	39 U	2100 U	2200
Dibenzo(ah)anthracene	5700 U	54 U	53 U	52 U	52 U	2700 U	630 J
Indeno(1,2,3,cd)pyrene	5300 U	50 U	49 U	48 U	48 U	2500 U	990
Sum of Carcinogens	ND	ND	267 a	ND	ND	ND	11170 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS							
Acenaphthene	4600 U	44 U	43 U	42 U	42 U	2200 U	77 U
Acenaphthylene	5200 U	48 U	48 U	47 U	47 U	2500 U	400 J
Anthracene	4300 U	40 U	40 U	39 U	39 U	2000 U	460 J
Benzo(ghi)perylene	5100 U	48 U	47 U	46 U	46 U	2400 U	870 J
Dibenzofuran	5000 U	47 U	47 U	45 U	45 U	2400 U	150 J
Fluoranthene	5800 U	54 U	300 J	53 U	53 U	2800 U	2600
Fluorene	5300 U	50 U	49 U	48 U	48 U	2500 U	260 J
2-Methylnaphthalene	6000 U	57 U	56 U	55 U	55 U	2900 U	110 J
Naphthalene	5600 U	53 U	52 U	51 U	51 U	2700 U	230 J
Phenanthrene	4800 U	98 J	53 J	44 U	44 U	2300 U	1800
Pyrene	5200 U	49 U	230 J	47 U	47 U	2500 U	1900
Sum of Non-Carcinogens	ND	98 a	583 a	ND	ND	ND	8780 a
Sum of Total PAH Compounds	ND	98 a	850 a	ND	ND	ND	19950 a
PHENOLIC COMPOUNDS							
4-Chloro-3-methylphenol	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--
o-Cresol	28000 J	39 U	39 U	38 U	38 U	19000 J	70 U
p-Cresol	99000	43 U	42 U	41 U	41 U	72000	75 U
2,4-Dichlorophenol	--	--	--	--	--	--	--
2,4-Dimethylphenol	28000 U	260 U	260 U	250 U	250 U	13000 U	470 U
2,4-Dinitrophenol	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--
Phenol	290000	51 U	51 U	49 U	59 J	170000	91 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
sb2.prn
01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB3804 7-9'		SB3808 17-19'	SB3813 29.5-31.5'	SB3902 2-4'	SB3904 7-9'	SB3908 17-19'	SB3913 29.5-31.5'
	09/23/93 Sample	09/23/93 Duplicate	09/23/93	09/23/93	09/17/93	09/17/93	09/17/93	09/17/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	120 J	120 J	240 J	51 U	6100	50 U	180 J	48 U
Benzo(b)fluoranthene	200 J	180 J	180 J	36 U	4400	36 U	110 J	34 U
Benzo(k)fluoranthene	200 J	210 J	230 J	70 U	3600 J	69 U	130 J	66 U
Benzo(a)pyrene	110 J	97 J	170 J	53 U	3400 J	52 U	95 J	50 U
Carbazole	50 U	49 U	49 U	52 U	1000 J	52 U	52 U	49 U
Chrysene	230 J	230 J	250 J	42 U	5800	42 U	180 J	40 U
Dibenzo(ah)anthracene	53 U	53 U	53 U	56 U	1200 J	55 U	56 U	53 U
Indeno(1,2,3,cd)pyrene	83 J	82 J	97 J	52 U	1700 J	51 U	52 U	49 U
Sum of Carcinogens	943 a	919 a	1167 a	ND	27200 a	ND	695 a	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	43 U	43 U	43 U	45 U	420 U	1000	1100	43 U
Acenaphthylene	48 U	47 U	47 U	50 U	1700 J	50 U	180 J	47 U
Anthracene	40 U	40 U	81 J	42 U	2900 J	41 U	130 J	40 U
Benzo(ghi)perylene	86 J	89 J	97 J	50 U	1500 J	49 U	50 U	47 U
Dibenzofuran	47 U	46 U	79 J	49 U	1800 J	85 J	87 J	46 U
Fluoranthene	490	480	470	56 U	8400	61 J	330 J	53 U
Fluorene	49 U	49 U	180 J	52 U	4000	130 J	180 J	49 U
2-Methylnaphthalene	56 U	55 U	55 U	59 U	1500 J	2000	4700	110 J
Naphthalene	52 U	52 U	200 J	55 U	800 J	9800	20000	11000 J
Phenanthrene	45 U	45 U	250 J	47 U	12000	210 J	480	45 U
Pyrene	390	390	320 J	50 U	7600	50 U	230 J	48 U
Sum of Non-Carcinogens	966 a	959 a	1677 a	ND	42200 a	13286 a	27417 a	11110 a
Sum of Total PAH Compounds	1909 a	1878 a	2844 a	ND	69400 a	13286 a	28112 a	11110 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	39 U	39 U	39 U	44 J	380 U	40 U	1100	20000
p-Cresol	42 U	42 U	42 U	260 J	410 U	44 U	1400	50000
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	260 U	260 U	260 U	270 U	2500 U	270 U	700	5500
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	51 U	50 U	50 U	360 J	490 U	64 J	2000	98000
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
sb2.prn
01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB4002	SB4005	SB4008	SB4011	SB4102	SB4104		SB4108
	2-4'	9.5-11.5'	17-19'	24.5-26.5'	2-4'	7-9'		17-19'
	10/07/93	10/07/93	10/07/93	10/07/93	09/16/93	09/16/93 Sample	09/16/93 Duplicate	09/16/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	2700000 J	76000 J	500 U	5100 U	1800	49 U	49 U	150 J
Benzo(b)fluoranthene	1800000 J	45000 J	360 U	3600 U	2000	35 U	35 U	160 J
Benzo(k)fluoranthene	1600000 J	39000 J	690 U	7000 U	1900	67 U	67 U	140 J
Benzo(a)pyrene	1600000 J	47000 J	520 U	5300 U	1800	51 U	51 U	110 J
Carbazole	1400000 J	37000 J	520 U	5200 U	100 U	210 J	160 J	120 J
Chrysene	2500000 J	70000 J	420 U	4200 U	1900	41 U	41 U	160 J
Dibenzo(ah)anthracene	2700 U	22000 U	550 U	5600 U	610 J	54 U	54 U	53 U
Indeno(1,2,3,cd)pyrene	2500 U	20000 J	510 U	5200 U	1300	50 U	50 U	71 J
Sum of Carcinogens	11600000 a	334000 a	ND	ND	11310 a	210 a	160 a	911 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	2600000 J	18000 U	450 U	4500 U	87 U	2200	2200	540
Acenaphthylene	2400 U	57000 J	500 U	5000 U	340 J	48 U	48 U	100 J
Anthracene	2700000 J	64000 J	410 U	4200 U	130 J	44 J	43 J	61 J
Benzo(ghi)perylene	2400 U	22000 J	490 U	5000 U	1300	48 U	48 U	71 J
Dibenzofuran	2400000 J	54000 J	480 U	4900 U	94 U	1200	1100	120 J
Fluoranthene	5900000 J	170000	560 U	5600 U	1900	54 U	54 U	310 J
Fluorene	3900000 J	90000 J	510 U	5200 U	100 U	1400	1200	190 J
2-Methylnaphthalene	6500000 J	93000 J	580 U	5900 U	110 U	93 J	96 J	320 J
Naphthalene	26000000	800000	22000	5500 U	110 U	8900	8400	2200
Phenanthrene	10000000	260000	470 U	4700 U	160 J	540	500	210 J
Pyrene	4400000 J	120000 J	500 U	5000 U	2200	49 U	49 U	240 J
Sum of Non-Carcinogens	64400000 a	1730000 a	22000	ND	6030 a	14377 a	13539 a	4362 a
Sum of Total PAH Compounds	76000000 a	2064000 a	22000	ND	17340 a	14587 a	13699 a	5273 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	2000 U	16000 U	900 J	23000 J	79 U	39 U	39 U	39 U
p-Cresol	2100 U	17000 U	1200 J	79000	85 U	43 U	43 U	42 U
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	13000 U	110000 U	2700 U	27000 U	530 U	260 U	260 U	260 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	2600 U	21000 U	1100 J	210000	100 U	51 U	51 U	50 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB4112 27-29' 09/16/93	SB4202 2-4' 09/23/93	SB4204 7-9' 09/23/93	SB4208 17-19' 09/23/93	SB4212 27-29' 09/23/93	SB4302 2-4' 09/15/93	SB4304 7-9' 09/15/93
CARCINOGENIC COMPOUNDS							
Benzo(a)anthracene	130 J	75 J	50 U	49 U	1000 U	190 J	50 U
Benzo(b)fluoranthene	84 J	64 J	35 U	35 U	720 U	330 J	35 U
Benzo(k)fluoranthene	84 J	92 J	68 U	67 U	1400 U	240 J	68 U
Benzo(a)pyrene	64 J	49 U	51 U	50 U	1000 U	150 J	51 U
Carbazole	940	49 U	51 U	64 J	1000 U	51 U	51 U
Chrysene	140 J	89 J	41 U	40 U	830 U	300 J	41 U
Dibenzo(ah)anthracene	53 U	52 U	55 U	53 U	1100 U	62 J	55 U
Indeno(1,2,3,cd)pyrene	49 U	48 U	50 U	49 U	1000 U	130 J	50 U
Sum of Carcinogens	1442 a	320 a	ND	64 a	ND	1402 a	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS							
Acenaphthene	310 J	42 U	240 J	57 J	900 U	44 U	44 U
Acenaphthylene	2400	47 U	49 U	48 U	990 U	49 U	49 U
Anthracene	350 J	39 U	41 U	40 U	830 U	41 U	41 U
Benzo(ghi)perylene	47 U	46 U	49 U	47 U	980 U	130 J	49 U
Dibenzofuran	1500	45 U	48 U	47 U	970 U	48 U	48 U
Fluoranthene	330 J	140 J	55 U	54 U	1100 U	490	55 U
Fluorene	1700	48 U	50 U	49 U	1000 U	50 U	50 U
2-Methylnaphthalene	11000	55 U	57 U	56 U	1200 U	57 U	57 U
Naphthalene	32000	51 U	120 J	270 J	1100 U	54 U	54 U
Phenanthrene	1200	92 J	46 U	45 U	930 U	69 J	46 U
Pyrene	200 J	94 J	49 U	48 U	1000 U	380 J	49 U
Sum of Non-Carcinogens	50990 a	326 a	360 a	327 a	ND	1069 a	ND
Sum of Total PAH Compounds	52432 a	646 a	360 a	391 a	ND	2471 a	ND
PHENOLIC COMPOUNDS							
4-Chloro-3-methylphenol	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--
o-Cresol	7200 J	38 U	40 U	39 U	8100	40 U	40 U
p-Cresol	11000	41 U	43 U	42 U	25000	43 U	43 U
2,4-Dichlorophenol	--	--	--	--	--	--	--
2,4-Dimethylphenol	2800 J	250 U	270 U	260 U	5400 U	270 U	270 U
2,4-Dinitrophenol	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--
Phenol	39000	49 U	59 J	51 U	59000	52 U	52 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB4308 17-19'		SB4312 27-29'	SB4402 2-4'	SB4404 7-9'	SB4408 17-19'	SB4412 27-29'	SB4502 2-4'
	09/15/93 Sample	09/15/93 Duplicate	09/15/93	09/20/93	09/20/93	09/20/93	09/20/93	09/27/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	48 U	48 U	49 U	85 J	48 U	95 U	260 U	64000
Benzo(b)fluoranthene	34 U	34 U	35 U	140 J	34 U	68 U	180 U	55000
Benzo(k)fluoranthene	66 U	66 U	67 U	74 U	66 U	130 U	350 U	31000
Benzo(a)pyrene	50 U	50 U	51 U	58 J	50 U	98 U	270 U	42000
Carbazole	49 U	49 U	50 U	55 U	140 J	97 U	260 U	7500 J
Chrysene	40 U	40 U	41 U	190 J	40 U	79 U	210 U	67000
Dibenzo(ah)anthracene	53 U	53 U	54 U	59 U	53 U	100 U	280 U	15000 J
Indeno(1,2,3,cd)pyrene	49 U	49 U	50 U	54 U	49 U	96 U	260 U	20000 J
Sum of Carcinogens	ND	ND	ND	473 a	140 a	ND	ND	301500 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	43 U	43 U	44 U	48 U	58 J	84 U	230 U	2500 U
Acenaphthylene	47 U	47 U	48 U	53 U	1100	94 U	250 U	13000 J
Anthracene	40 U	40 U	40 U	71 J	40 U	78 U	210 U	24000
Benzo(ghi)perylene	47 U	47 U	48 U	80 J	47 U	93 U	250 U	17000 J
Dibenzofuran	46 U	46 U	47 U	51 U	46 U	91 U	250 U	7000 J
Fluoranthene	53 U	53 U	54 U	85 J	53 U	110 U	290 U	98000
Fluorene	49 U	49 U	50 U	54 U	49 U	96 U	260 U	13000 J
2-Methylnaphthalene	55 U	55 U	57 U	110 J	55 U	110 U	300 U	4800 J
Naphthalene	52 U	52 U	53 U	52 J	240 J	4000	280 U	11000 J
Phenanthrene	45 U	45 U	46 U	780	45 U	88 U	240 U	67000
Pyrene	48 U	48 U	49 U	110 J	48 U	94 U	260 U	65000
Sum of Non-Carcinogens	ND	ND	ND	1288 a	1398 a	4000	ND	319800 a
Sum of Total PAH Compounds	ND	ND	ND	1761 a	1538 a	4000	ND	621300 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	39 U	39 U	7100 J	43 U	39 U	140 J	13000	2300 U
p-Cresol	42 U	42 U	15000	48 J	42 U	82 U	32000	2400 U
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	260 U	260 U	3900	290 U	260 U	510 U	6000	15000 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	50 U	50 U	43000	75 J	50 U	99 U	41000	2900 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB4504	SB4508	SB4513		SB4605	SB4608		SB4613
	7-9'	17-19'	29.5-31.5'		9.5-11.5'	17-19'		29.5-31.5'
	09/27/93	09/27/93	09/27/93 Sample	09/27/93 Duplicate	10/07/93	10/07/93 Sample	10/07/93 Duplicate	10/07/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	52 U	11000	230 U	240 U	47 U	100 U	100 U	2600 U
Benzo(b)fluoranthene	37 U	9600	170 U	170 U	33 U	73 U	72 U	1800 U
Benzo(k)fluoranthene	71 U	4400	320 U	330 U	64 U	140 U	140 U	3500 U
Benzo(a)pyrene	53 U	6400	240 U	250 U	48 U	110 U	100 U	2700 U
Carbazole	160 J	970 J	240 U	250 U	190 J	100 U	100 U	2600 U
Chrysene	51 J	11000	190 U	200 U	39 U	85 U	83 U	2100 U
Dibenzo(ah)anthracene	57 U	1900 J	250 U	270 U	52 U	110 U	110 U	2800 U
Indeno(1,2,3,cd)pyrene	52 U	2200	230 U	250 U	47 U	100 U	100 U	2600 U
Sum of Carcinogens	211 a	47470 a	ND	ND	190 a	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	46 U	260 J	210 U	220 U	680	91 U	90 U	2300 U
Acenaphthylene	130 J	2700	230 U	240 U	48 J	100 U	99 U	2500 U
Anthracene	66 J	5300	190 U	200 U	39 U	84 U	83 U	2100 U
Benzo(ghi)perylene	120 J	1600 J	230 U	240 U	46 U	100 U	98 U	2500 U
Dibenzofuran	53 J	1200 J	220 U	230 U	45 U	98 U	97 U	2500 U
Fluoranthene	120 J	15000	310 J	270 U	42 J	110 U	110 U	2900 U
Fluorene	90 J	4000	240 U	250 U	48 U	100 U	100 U	2600 U
2-Methylnaphthalene	80 J	450 J	270 U	280 U	54 U	120 U	120 U	3000 U
Naphthalene	590	1100 J	440 J	360 J	140 J	150 J	120 J	2800 U
Phenanthrene	180 J	15000	450 J	230 U	56 J	95 U	93 U	2400 U
Pyrene	100 J	11000	230 U	240 U	46 U	100 U	100 U	2600 U
Sum of Non-Carcinogens	1529 a	57610 a	1200 a	360 a	966 a	150 a	120 a	ND
Sum of Total PAH Compounds	1740 a	105080 a	1200 a	360 a	1156 a	150 a	120 a	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	41 U	4200	4700	4300	38 U	1300	1000	20000 J
p-Cresol	70 J	13000	12000	11000	53 J	3500	2700	46000
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	280 U	3900	1700 J	1300 U	250 U	2400	2100	14000 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	120 J	30000	15000	15000	130 J	4500	3300	100000
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB4702 2-4' 10/06/93	SB4704 7-9' 10/06/93	SB4708 17-19' 10/06/93	SB4714 32-34' 10/06/93	SB4802 2-4' 09/22/93	SB4804 7-9' 09/22/93	SB4808 17-19' 09/22/93	SB4813 29.5-31.5' 09/22/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	410 J	51 U	50 U	500 U	49 U	49 U	46 U	1300 U
Benzo(b)fluoranthene	370 J	36 U	35 U	360 U	35 U	35 U	33 U	930 U
Benzo(k)fluoranthene	400 J	70 U	68 U	690 U	67 U	67 U	63 U	1800 U
Benzo(a)pyrene	270 J	53 U	51 U	520 U	51 U	50 U	47 U	1300 U
Carbazole	55 U	52 U	51 U	520 U	50 U	50 U	47 U	1300 U
Chrysene	530	42 U	41 U	420 U	41 U	40 U	38 U	1100 U
Dibenzo(ah)anthracene	89 J	56 U	55 U	550 U	54 U	53 U	50 U	1400 U
Indeno(1,2,3,cd)pyrene	160 J	52 U	50 U	510 U	50 U	49 U	46 U	1300 U
Sum of Carcinogens	2229 a	ND	ND	ND	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	48 U	45 U	44 U	450 U	44 U	43 U	41 U	1200 U
Acenaphthylene	74 J	50 U	49 U	500 U	48 U	48 U	45 U	1300 U
Anthracene	59 J	42 U	41 U	410 U	40 U	40 U	38 U	1100 U
Benzo(ghi)perylene	230 J	50 U	49 U	490 U	48 U	47 U	45 U	1300 U
Dibenzofuran	51 U	49 U	48 U	480 U	47 U	47 U	44 U	1300 U
Fluoranthene	580	79 J	55 U	560 U	63 J	77 J	51 U	1400 U
Fluorene	54 U	52 U	50 U	510 U	50 U	49 U	46 U	1300 U
2-Methylnaphthalene	62 U	59 U	57 U	580 U	57 U	56 U	53 U	1500 U
Naphthalene	87 J	55 U	54 U	540 U	53 U	52 U	50 U	1400 U
Phenanthrene	340 J	47 U	55 J	470 U	110 J	45 U	49 J	1200 U
Pyrene	440	67 J	49 U	500 U	49 U	72 J	50 J	1300 U
Sum of Non-Carcinogens	1810 a	146 a	55 a	ND	173 a	149 a	99 a	ND
Sum of Total PAH Compounds	4039 a	146 a	55 a	ND	173 a	149 a	99 a	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	43 U	41 U	340 J	3800 J	39 U	39 U	37 U	22000
p-Cresol	46 U	44 U	13000	9000	43 U	42 U	40 U	56000
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	290 U	270 U	2000	2700 U	260 U	260 U	250 U	7000 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	56 U	84 J	520	16000	150 J	51 U	80 J	130000
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
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U Not detected.

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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB4902 2-4' 10/05/93	SB4904 7-9' 10/05/93	SB4908 17-19' 10/05/93	SB4911 24.5-26.5' 10/05/93	SB5002 2-4' 10/05/93	SB5004 7-9' 10/05/93 Sample	SB5004 7-9' 10/05/93 Duplicate	SB5008 17-19' 10/05/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	50 U	50 U	51 U	50 U	2100000	1900 J	120 J	51 U
Benzo(b)fluoranthene	35 U	35 U	36 U	36 U	1600000	980 J	79 J	36 U
Benzo(k)fluoranthene	68 U	68 U	70 U	69 U	1300000	1400 J	90 J	70 U
Benzo(a)pyrene	51 U	51 U	53 U	52 U	1400000	1100 J	76 J	53 U
Carbazole	51 U	51 U	52 U	52 U	1200000 J	2600 J	2000	52 U
Chrysene	41 U	41 U	51 J	42 U	2000000	1700 J	110 J	42 U
Dibenzo(ah)anthracene	55 U	55 U	56 U	55 U	290000 J	540 U	54 U	56 U
Indeno(1,2,3,cd)pyrene	50 U	50 U	52 U	51 U	620000 J	560 J	50 U	52 U
Sum of Carcinogens	ND	ND	51 a	ND	10510000 a	10240 a	2475 a	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	44 U	44 U	45 U	45 U	270000 J	440 U	280 J	45 U
Acenaphthylene	49 U	49 U	50 U	50 U	870000 J	1600 J	1100	50 U
Anthracene	41 U	41 U	42 U	41 U	1400000	1400 J	160 J	42 U
Benzo(ghi)perylene	49 U	49 U	50 U	49 U	700000 J	700 J	65 J	50 U
Dibenzofuran	48 U	48 U	49 U	48 U	1900000	2500 J	1300	49 U
Fluoranthene	55 U	55 U	130 J	56 U	4300000	5100	530	56 U
Fluorene	50 U	50 U	52 U	51 U	3400000	4600	2400	52 U
2-Methylnaphthalene	57 U	57 U	59 U	58 U	2900000 J	2000 J	190 J	59 U
Naphthalene	54 U	54 U	55 U	54 U	15000000	11000	2000	350 J
Phenanthrene	46 U	46 U	130 J	47 U	9300000	8500	1200	86 J
Pyrene	49 U	49 U	120 J	50 U	3700000	3400 J	370 J	50 U
Sum of Non-Carcinogens	ND	ND	380 a	ND	43740000 a	40800 a	9595 a	436 a
Sum of Total PAH Compounds	ND	ND	431 a	ND	54250000 a	51040 a	12070 a	436 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	40 U	40 U	41 U	16000 J	420000 J	390 U	230 J	50 J
p-Cresol	43 U	43 U	44 U	39000 J	1000000 J	600 J	670	180 J
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	270 U	270 U	270 U	6500	28000 U	2600 U	260 U	270 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	85 J	52 U	53 U	86000	950000 J	790 J	880	330 J
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
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U Not detected.

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TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB5012 27-29' 10/05/93	SB5104 7-9' 09/16/93	SB5109 19.5-21.5' 09/16/93	SB5112 27-29' 09/16/93	SB5205 9.5-11.5' 09/15/93	SB5208 17-19' 09/15/93	SB5214 32-34' 09/15/93	SB5304 7-9' 09/16/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	52 U	50 U	50 U	51 U	50 U	50 U	51 U	49 U
Benzo(b)fluoranthene	37 U	35 U	36 U	36 U	35 U	36 U	36 U	35 U
Benzo(k)fluoranthene	71 U	68 U	69 U	70 U	68 U	69 U	70 U	67 U
Benzo(a)pyrene	53 U	51 U	52 U	53 U	51 U	52 U	53 U	51 U
Carbazole	53 U	51 U	52 U	52 U	51 U	52 U	52 U	50 U
Chrysene	43 U	41 U	42 U	42 U	41 U	42 U	42 U	41 U
Dibenzo(ah)anthracene	57 U	55 U	55 U	56 U	55 U	55 U	56 U	54 U
Indeno(1,2,3,cd)pyrene	52 U	50 U	51 U	52 U	50 U	51 U	52 U	50 U
Sum of Carcinogens	ND	ND	ND	ND	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	46 U	44 U	45 U	45 U	44 U	45 U	45 U	44 U
Acenaphthylene	51 U	49 U	50 U	50 U	49 U	50 U	50 U	48 U
Anthracene	43 U	41 U	41 U	42 U	41 U	41 U	42 U	40 U
Benzo(ghi)perylene	50 U	49 U	49 U	50 U	49 U	49 U	50 U	48 U
Dibenzofuran	49 U	48 U	48 U	49 U	48 U	48 U	49 U	47 U
Fluoranthene	57 U	55 U	56 U	56 U	55 U	81 J	56 U	54 U
Fluorene	52 U	50 U	51 U	52 U	50 U	51 U	52 U	50 U
2-Methylnaphthalene	59 U	57 U	58 U	59 U	57 U	58 U	59 U	57 U
Naphthalene	73 J	54 U	54 U	55 U	54 U	54 U	55 U	53 U
Phenanthrene	48 U	46 U	47 U	47 U	46 U	150 J	47 U	46 U
Pyrene	51 U	49 U	50 U	50 U	49 U	87 J	50 U	49 U
Sum of Non-Carcinogens	73 a	ND	ND	ND	ND	318 a	ND	ND
Sum of Total PAH Compounds	73 a	ND	ND	ND	ND	318 a	ND	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	20000 J	40 U	40 U	4100	40 U	40 U	160 J	39 U
p-Cresol	50000	43 U	44 U	11000	43 U	44 U	44 U	43 U
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	4400	270 U	270 U	2200	270 U	270 U	270 U	260 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	130000	52 U	52 U	22000	52 U	52 U	54 J	51 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
sb3.prn
01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB5312 27-29' 09/16/93	SB5502 2-4' 10/07/93	SB5612 27-29' 10/07/93	SB5710 22-24' 10/07/93	SB5902 2-4' 11/01/93	SB5904 7-9' 11/01/93	SB5908 17-19' 11/01/93	SB5912 27-29' 11/01/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	52 U	1600000	5300 U	48 U	49 U	48 U	48 U	49 U
Benzo(b)fluoranthene	37 U	1300000	3800 U	34 U	35 U	34 U	34 U	35 U
Benzo(k)fluoranthene	71 U	930000	7300 U	65 U	67 U	65 U	65 U	67 U
Benzo(a)pyrene	53 U	950000	5500 U	49 U	50 U	49 U	49 U	50 U
Carbazole	53 U	450000 J	5400 U	49 U	50 U	49 U	49 U	50 U
Chrysene	43 U	1600000	4400 U	39 U	40 U	39 U	39 U	40 U
Dibenzo(ah)anthracene	57 U	120000 J	5800 U	52 U	53 U	52 U	52 U	53 U
Indeno(1,2,3,cd)pyrene	52 U	360000 J	5300 U	48 U	49 U	48 U	48 U	49 U
Sum of Carcinogens	ND	7310000 a	ND	ND	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	46 U	86000 J	4700 U	42 U	43 U	42 U	42 U	43 U
Acenaphthylene	51 U	240000 J	5200 U	47 U	48 U	47 U	47 U	48 U
Anthracene	43 U	540000 J	4400 U	39 U	40 U	39 U	39 U	40 U
Benzo(ghi)perylene	50 U	290000 J	5200 U	46 U	47 U	46 U	46 U	47 U
Dibenzofuran	49 U	580000 J	5100 U	45 U	47 U	45 U	45 U	47 U
Fluoranthene	57 U	2300000	5900 U	53 U	56 J	53 U	53 U	54 U
Fluorene	52 U	1300000	5400 U	48 U	49 U	48 U	48 U	49 U
2-Methylnaphthalene	59 U	620000 J	6100 U	55 U	56 U	55 U	55 U	56 U
Naphthalene	56 U	1000000	5700 U	51 U	52 U	64 J	51 U	52 U
Phenanthrene	48 U	3800000	4900 U	44 U	60 J	44 U	44 U	45 U
Pyrene	51 U	1700000	5200 U	47 U	51 J	47 U	47 U	48 U
Sum of Non-Carcinogens	ND	12456000 a	ND	ND	167 a	64 a	ND	ND
Sum of Total PAH Compounds	ND	19766000 a	ND	ND	167 a	64 a	ND	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	41 U	2000 U	24000 J	1600	39 U	38 U	38 U	160 J
p-Cresol	45 U	2100 U	75000	150 J	42 U	41 U	41 U	42 U
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	280 U	13000 U	28000 U	1200	260 U	250 U	250 U	260 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	54 U	2600 U	180000	240 J	51 U	49 U	49 U	51 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
sb3.prn
01/24/94

TABLE 4.1-21 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	SB6002 2-4' 11/01/93	SB6004 7-9' 11/01/93	SB6008 17-19' 11/01/93	SB6012 27-29' 11/01/93
CARCINOGENIC COMPOUNDS				
Benzo(a)anthracene	570 U	100 U	50 U	49 U
Benzo(b)fluoranthene	930 J	71 U	35 U	35 U
Benzo(k)fluoranthene	660 J	140 U	68 U	67 U
Benzo(a)pyrene	580 U	100 U	51 U	50 U
Carbazole	580 U	250 J	51 U	50 U
Chrysene	470 U	82 U	41 U	40 U
Dibenzo(ah)anthracene	870 J	110 U	55 U	53 U
Indeno(1,2,3,cd)pyrene	1100 J	100 U	50 U	49 U
Sum of Carcinogens	3560 a	250 a	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS				
Acenaphthene	500 U	88 U	44 U	43 U
Acenaphthylene	560 U	100 J	49 U	48 U
Anthracene	630 J	82 U	41 U	40 U
Benzo(ghi)perylene	1100 J	97 U	49 U	47 U
Dibenzofuran	540 U	320 J	48 U	47 U
Fluoranthene	630 U	110 U	55 U	54 U
Fluorene	570 U	100 U	50 U	49 U
2-Methylnaphthalene	650 U	110 U	57 U	56 U
Naphthalene	610 U	4600	4600	5500 J
Phenanthrene	520 U	92 U	46 U	45 U
Pyrene	560 U	98 U	49 U	48 U
Sum of Non-Carcinogens	1730 a	5020 a	4600	5500 a
Sum of Total PAH Compounds	5290 a	5270 a	4600	5500 a
PHENOLIC COMPOUNDS				
4-Chloro-3-methylphenol	--	--	--	--
2-Chlorophenol	--	--	--	--
o-Cresol	450 U	80 U	170 J	15000 J
p-Cresol	490 U	86 U	65 J	56000
2,4-Dichlorophenol	--	--	--	--
2,4-Dimethylphenol	3000 U	530 U	270 U	260 U
2,4-Dinitrophenol	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--
2-Nitrophenol	--	--	--	--
4-Nitrophenol	--	--	--	--
Pentachlorophenol	--	--	--	--
Phenol	590 U	100 U	71 J	150000
2,4,5-Trichlorophenol	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
sb3.prn
01/24/94

TABLE 4.1-22

SOIL QUALITY DATA
SOIL BORING SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/kg)

	SB2902 2-4'	SB3003 4.5-6.5'	SB3007 14.5-16.5'		SB3009 19.5-21.5'	SB3103 4.5-6.5'
	09/30/93	10/05/93	10/05/93 Sample	10/05/93 Duplicate	10/05/93	10/05/93
PESTICIDES						
Aldrin	38 U	21 U	1.8 U	2.0 U	2.0 U	9.0 U
a-BHC	38 U	21 U	1.8 U	2.0 U	2.0 U	9.0 U
b-BHC	38 U	21 U	1.8 U	2.0 U	2.0 U	9.0 U
d-BHC	38 U	21 U	1.8 U	2.0 U	2.0 U	9.0 U
g-BHC (Lindane)	38 U	21 U	1.8 U	2.0 U	2.0 U	9.0 U
Alpha Chlordane	38 U	21 U	1.8 U	2.0 U	2.0 U	9.0 U
Gamma Chlordane	38 U	21 U	1.8 U	2.0 U	2.0 U	9.0 U
4,4'-DDD	73 U	41 U	5.2	4.0 U	3.9 U	18 U
4,4'-DDE	73 U	41 U	3.5 U	4.0 U	3.9 U	18 U
4,4'-DDT	73 U	41 U	3.5 U	4.0 U	3.9 U	18 U
Dieldrin	73 U	41 U	3.5 U	4.0 U	3.9 U	18 U
Endosulfan I	38 U	21 U	1.8 U	2.0 U	2.0 U	9.0 U
Endosulfan II	73 U	41 U	3.5 U	4.0 U	3.9 U	18 U
Endosulfan Sulfate	73 U	41 U	3.5 U	4.0 U	3.9 U	18 U
Endrin	73 U	41 U	3.5 U	4.0 U	3.9 U	18 U
Endrin Aldehyde	73 U	41 U	3.5 U	4.0 U	3.9 U	18 U
Endrin Ketone	73 U	41 U	3.5 U	4.0 U	3.9 U	18 U
Heptachlor	38 U	21 U	1.8 U	2.0 U	2.0 U	9.0 U
Heptachlor Epoxide	38 U	21 U	1.8 U	2.0 U	2.0 U	9.0 U
Methyloxyclor	380 U	210 U	18 U	20 U	20 U	90 U
Toxaphene	3800 U	2100 U	180 U	200 U	200 U	900 U
PCBs						
PCB-1016	730 U	410 U	35 U	40 U	39 U	180 U
PCB-1221	1500 U	830 U	72 U	81 U	79 U	360 U
PCB-1232	730 U	410 U	35 U	40 U	39 U	180 U
PCB-1242	730 U	410 U	35 U	40 U	39 U	180 U
PCB-1248	1700	1500	140	40 U	39 U	180 U
PCB-1254	730 U	450 P	35 U	40 U	39 U	180 U
PCB-1260	730 U	410 U	35 U	40 U	39 U	180 U

P Greater than 25 percent difference for detected concentrations between primary and confirmation GC columns. Result reported is the lower of the two values.

U Not detected.

.015

01/24/94

TABLE 4.1-22 (cont.)

SOIL QUALITY DATA
SOIL BORING SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/kg)

	SB3107 14.5-16.5'	SB3110 22-24'	SB4202 2-4'	SB4402 2-4'
	10/05/93	10/05/93	09/23/93	09/20/93
PESTICIDES				
Aldrin	18 U	2.1 U	460 U	9.9 U
a-BHC	18 U	2.1 U	460 U	9.9 U
b-BHC	18 U	2.1 U	460 U	9.9 U
d-BHC	18 U	2.1 U	460 U	9.9 U
g-BHC (Lindane)	18 U	2.1 U	460 U	9.9 U
Alpha Chlordane	18 U	2.1 U	460 U	9.9 U
Gamma Chlordane	18 U	2.1 U	460 U	9.9 U
4,4'-DDD	35 U	4.0 U	890 U	19 U
4,4'-DDE	35 U	4.0 U	890 U	19 U
4,4'-DDT	35 U	4.0 U	890 U	19 U
Dieldrin	35 U	4.0 U	890 U	19 U
Endosulfan I	18 U	2.1 U	460 U	9.9 U
Endosulfan II	35 U	4.0 U	890 U	19 U
Endosulfan Sulfate	35 U	4.0 U	890 U	19 U
Endrin	35 U	4.0 U	890 U	19 U
Endrin Aldehyde	35 U	4.0 U	890 U	19 U
Endrin Ketone	35 U	4.0 U	890 U	19 U
Heptachlor	18 U	2.1 U	460 U	9.9 U
Heptachlor Epoxide	18 U	2.1 U	460 U	9.9 U
Methyloxyclor	180 U	21 U	4600 U	99 U
Toxaphene	1800 U	210 U	46000 U	990 U
PCBs				
PCB-1016	350 U	40 U	8900 U	190 U
PCB-1221	720 U	82 U	18000 U	390 U
PCB-1232	350 U	40 U	8900 U	190 U
PCB-1242	350 U	40 U	8900 U	190 U
PCB-1248	810 P	38 J	38000 C	190 U
PCB-1254	350 U	40 U	8900 U	190 U
PCB-1260	350 U	40 U	8900 U	190 U

C The presence of this compound was confirmed by GC/MS analysis.
P Greater than 25 percent difference for detected concentrations between primary and confirmation GC columns. Result reported is the lower of the two values.
U Not detected.
.015
01/24/94

TABLE 4.1-23

SOIL QUALITY DATA
DESIGNATED SOIL STOCKPILE SOIL SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	DS01	DS02	DS03	
	10/04/93	10/04/93	10/04/93 Sample	10/04/93 Duplicate
Arsenic, total	13.4	2.2	3.9	3.5
Cyanide, total	0.13 U	0.25 B	0.13 U	0.13 U
Aluminum	1360	1960	1380	1470
Antimony	2.4 U	2.5 U	2.4 U	2.4 U
Barium	7.5 B	11.2 B	11.4 B	13.2 B
Beryllium	0.03 U	0.05 B	0.07 B	0.20 B
Cadmium	0.61 U	1.4	0.61 U	0.61 U
Calcium	46800	60700	28000	33100
Chromium, total	5.3	6.6	4.9	5.5
Cobalt	2.6 B	3.5 B	2.1 B	3.1 B
Copper	5.7	13.3	48.4	18.7
Iron	4600	6900	4660	7540
Lead	6.9 J	14.1 J	13.6 J	9.6 J
Magnesium	23700	33500	14600	17400
Manganese	154	313	116	138
Mercury	0.02 U	0.02 U	0.02 U	0.02 U
Nickel	6.1 B	7.8 B	5.7 B	15.2
Potassium	310 B	567 B	176 B	294 B
Selenium	0.32 U	0.44 B	0.32 U	0.32 U
Silver	0.34 U	0.34 U	0.34 U	0.33 U
Sodium	156 B	165 B	123 B	158 B
Thallium	0.29 U	0.29 U	0.29 U	0.29 U
Vanadium	12.8	9.3 B	9.1 B	9.9 B
Zinc	47.3	68.0	540	855

B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
3,.002
01/27/94

TABLE 4.1-24

SOIL QUALITY DATA
DESIGNATED SOIL STOCKPILE SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	DS01	DS02	DS03	
	10/04/93	10/04/93	10/04/93 Sample	10/04/93 Duplicate
BETX COMPOUNDS				
Benzene	10 U	11 U	10 U	10 U
Ethyl Benzene	10 U	11 U	10 U	10 U
Toluene	10 U	11 U	10 U	10 U
Xylenes	10 U	11 U	10 U	10 U
Sum of BETX	ND	ND	ND	ND
CHLORINATED COMPOUNDS				
Bromodichloromethane	10 U	11 U	10 U	10 U
Carbon Tetrachloride	10 U	11 U	10 U	10 U
Chloroethane	10 U	11 U	10 U	10 U
Chloroform	10 U	11 U	10 U	10 U
Chloromethane	10 U	11 U	10 U	10 U
Chlorobenzene	10 U	11 U	10 U	10 U
Chlorodibromomethane	10 U	11 U	10 U	10 U
1,1-Dichloroethane	10 U	11 U	10 U	10 U
1,2-Dichloroethane	10 U	11 U	10 U	10 U
1,1-Dichloroethylene	10 U	11 U	10 U	10 U
1,2-Dichloroethylene	10 U	11 U	10 U	10 U
1,2-Dichloropropane	10 U	11 U	10 U	10 U
Cis-1,3-Dichloro-1-propene	10 U	11 U	10 U	10 U
Trans-1,3-Dichloro-1-propene	10 U	11 U	10 U	10 U
Methylene Chloride	10 U	1 J	2 J	3 J
Styrene	10 U	11 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	11 U	10 U	10 U
Tetrachloroethylene	10 U	11 U	10 U	10 U
1,1,1-Trichloroethane	10 U	11 U	10 U	10 U
1,1,2-Trichloroethane	10 U	11 U	10 U	10 U
Trichloroethylene	10 U	11 U	10 U	10 U
Vinyl Chloride	10 U	11 U	10 U	10 U
OTHER COMPOUNDS				
Acetone	10 U	11 U	14	13
Bromoform	10 U	11 U	10 U	10 U
Bromomethane	10 U	11 U	10 U	10 U
Carbondisulfide	10 U	11 U	10 U	10 U
2-Hexanone	10 U	11 U	10 U	10 U
Methyl Ethyl Ketone	10 U	11 U	10 U	10 U
Methyl Isobutyl Ketone	10 U	11 U	10 U	10 U

-- Not analyzed.
ND Not detected.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

3,.002
01/27/94

TABLE 4.1-25

SOIL QUALITY DATA
DESIGNATED SOIL STOCKPILE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	DS01	DS02	DS03	
	10/04/93	10/04/93	10/04/93 Sample	10/04/93 Duplicate
CARCINOGENIC COMPOUNDS				
Benzo(a)anthracene	7800	8300	18000	17000
Benzo(b)fluoranthene	5200	4600	17000	17000
Benzo(k)fluoranthene	4300	3500	13000	11000
Benzo(a)pyrene	4300	4100	12000	10000
Carbazole	2000 J	830 J	1300 J	2900 J
Chrysene	8400	9400	21000	21000
Dibenzo(ah)anthracene	1000 J	870 J	1500 J	1400 J
Indeno(1,2,3,cd)pyrene	2200 J	2100 J	3200 J	3000 J
Sum of Carcinogens	35200 a	33700 a	87000 a	83300 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS				
Acenaphthene	14000	28000	4400	4400
Acenaphthylene	1600 J	2700 J	1700 J	1600 J
Anthracene	7700	17000	7400	16000
Benzo(ghi)perylene	2400 J	2300 J	2600 J	2600 J
Dibenzofuran	9000	18000	3200 J	3400 J
Fluoranthene	26000	27000	38000	35000
Fluorene	13000	25000	4000	4500
2-Methylnaphthalene	6200	970 J	890 J	610 J
Naphthalene	19000	890 J	3900	2300 J
Phenanthrene	36000	42000	16000	16000
Pyrene	24000	24000	38000	35000
Sum of Non-Carcinogens	158900 a	187860 a	120090 a	121410 a
Sum of Total PAH Compounds	194100 a	221560 a	207090 a	204710 a
PHENOLIC COMPOUNDS				
4-Chloro-3-methylphenol	440 U	440 U	430 U	440 U
2-Chlorophenol	490 U	490 U	480 U	490 U
o-Cresol	350 U	350 U	340 U	350 U
p-Cresol	370 U	380 U	370 U	370 U
2,4-Dichlorophenol	330 U	340 U	330 U	330 U
2,4-Dimethylphenol	2300 U	2300 U	2300 U	2300 U
2,4-Dinitrophenol	860 U	870 U	850 U	860 U
2-Methyl-4,6-dinitrophenol	1500 U	1500 U	1500 U	1500 U
2-Nitrophenol	530 U	530 U	520 U	530 U
4-Nitrophenol	2500 U	2600 U	2500 U	2500 U
Pentachlorophenol	560 U	560 U	550 U	560 U
Phenol	450 U	450 U	440 U	450 U
2,4,5-Trichlorophenol	560 U	560 U	550 U	560 U
2,4,6-Trichlorophenol	400 U	400 U	390 U	400 U

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a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
dsgs.prn
01/24/94

TABLE 4.1-25 (cont.)

SOIL QUALITY DATA
DESIGNATED SOIL STOCKPILE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	DS01	DS02	DS03	
	10/04/93	10/04/93	10/04/93 Sample	10/04/93 Duplicate
OTHER SEMIVOLATILE ORGANIC COMPOUNDS				
Bis(2-chloroethoxy)methane	480 U	490 U	480 U	480 U
Bis(2-chloroethyl)ether	560 U	560 U	550 U	560 U
Bis(2-chloroisopropyl)ether	480 U	480 U	470 U	480 U
Bis(2-ethylhexyl)phthalate	1100 U	1100 U	1100 U	1100 U
4-Bromophenyl phenyl ether	320 U	320 U	310 U	320 U
Butyl benzyl phthalate	440 U	440 U	440 U	440 U
4-Chloroaniline	600 U	610 U	600 U	600 U
2-Chloronaphthalene	420 U	430 U	420 U	420 U
4-Chlorophenyl phenyl ether	390 U	400 U	390 U	390 U
Di-n-butyl phthalate	890 U	900 U	880 U	890 U
Di-n-octyl phthalate	580 U	590 U	570 U	580 U
1,2-Dichlorobenzene	520 U	530 U	520 U	520 U
1,3-Dichlorobenzene	540 U	540 U	530 U	540 U
1,4-Dichlorobenzene	530 U	530 U	520 U	530 U
3,3-Dichlorobenzidine	1700 U	1700 U	1600 U	1700 U
Diethyl phthalate	480 U	490 U	480 U	480 U
Dimethyl phthalate	450 U	460 U	450 U	450 U
2,4-Dinitrotoluene	530 U	540 U	530 U	530 U
2,6-Dinitrotoluene	470 U	480 U	470 U	470 U
Hexachlorobenzene	330 U	340 U	330 U	330 U
Hexachlorobutadiene	490 U	500 U	490 U	490 U
Hexachlorocyclopentadiene	430 U	430 U	420 U	430 U
Hexachloroethane	490 U	490 U	480 U	490 U
Isophorone	500 U	510 U	500 U	500 U
N-Nitrosodi-n-propylamine	430 U	440 U	430 U	430 U
N-Nitrosodiphenylamine	380 U	390 U	380 U	380 U
2-Nitroaniline	390 U	390 U	380 U	390 U
3-Nitroaniline	1000 U	1000 U	1000 U	1000 U
4-Nitroaniline	1300 U	1300 U	1300 U	1300 U
Nitrobenzene	490 U	490 U	480 U	490 U
1,2,4-Trichlorobenzene	520 U	530 U	520 U	520 U

U Not detected.

dsgs.prn
01/24/94

TABLE 4.1-26

SOIL QUALITY DATA
DESIGNATED SOIL STOCKPILE SOIL SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/kg)

	DS01	DS02	DS03	
	10/04/93	10/04/93	10/04/93 Sample	10/04/93 Duplicate
PESTICIDES				
Aldrin	38 U	350 U	180 U	350 U
a-BHC	38 U	350 U	180 U	350 U
b-BHC	38 U	350 U	180 U	350 U
d-BHC	38 U	350 U	180 U	350 U
g-BHC (Lindane)	38 U	350 U	180 U	350 U
Alpha Chlordane	38 U	350 U	180 U	350 U
Gamma Chlordane	38 U	350 U	180 U	350 U
4,4'-DDD	74 U	690 U	340 U	690 U
4,4'-DDE	74 U	690 U	340 U	690 U
4,4'-DDT	74 U	690 U	340 U	690 U
Dieldrin	74 U	690 U	340 U	690 U
Endosulfan I	38 U	350 U	180 U	350 U
Endosulfan II	74 U	690 U	340 U	690 U
Endosulfan Sulfate	74 U	690 U	340 U	690 U
Endrin	74 U	690 U	340 U	690 U
Endrin Aldehyde	74 U	690 U	340 U	690 U
Endrin Ketone	74 U	690 U	340 U	690 U
Heptachlor	38 U	350 U	180 U	350 U
Heptachlor Epoxide	38 U	350 U	180 U	350 U
Methyloxyclor	380 U	3500 U	1800 U	3500 U
Toxaphene	3800 U	35000 U	18000 U	35000 U
PCBs				
PCB-1016	740 U	6900 U	3400 U	6900 U
PCB-1221	1500 U	14000 U	7000 U	14000 U
PCB-1232	740 U	6900 U	3400 U	6900 U
PCB-1242	740 U	6900 U	3400 U	6900 U
PCB-1248	3200	6900 U	3400 U	6900 U
PCB-1254	740 U	6900 U	3400 U	6900 U
PCB-1260	740 U	6900 U	3400 U	6900 U

U Not detected.
3,.002
01/27/94

TABLE 4.2-1

WELL AND PIEZOMETER CONSTRUCTION SUMMARY

WELL	ELEVATION (FT MSL)				DEPTH (FT BGS)		SAND PACK LENGTH (FT)	SCREEN LENGTH (FT)	SLOT SIZE (IN)	WELL DIAMETER (IN)	RISER AND SCREEN MATERIAL
	GROUND[1]	RISER[1]	BOTTOM OF		BOTTOM OF						
			BOREHOLE	WELL	BOREHOLE	WELL					
MW-1S[7]	586.0	587.76	568.0	568.5	18.0	17.5	7.5	5.0	0.010	2	SS
MW-1D[7]	585.8	587.62	557.8	558.1	28.0	27.7	7.0	5.0	0.010	2	SS
MW-3S	585.2	588.24	572.2	573.2	13.0	12.0	12.0	10.5	0.010	2	SS
MW-3D	585.5	588.23	557.5	557.7	28.0	27.8	10.0	5.0	0.010	2	SS
MW-4S[2]	586.3	586.16	572.3	574.3	14.0	12.0	13.0	10.3	0.010	2	SS
MW-4D[3]	586.1	585.93	554.1	554.1	32.0	32.0	10.0	5.0	0.010	2	SS
MW-5S	585.4	587.89	570.4	572.2	15.0	13.2	13.2	10.4	0.010	2	SS
MW-5D	585.7	588.47	559.7	559.7	26.0	26.0	10.0	5.0	0.010	2	SS
MW-6S	585.7	588.45	572.2	572.2	13.5	13.5	11.0	10.0	0.010	2	SS
MW-6D	585.7	588.51	558.2	559.2	27.5	26.5	10.0	5.0	0.010	2	SS
MW-7S	584.9	587.78	571.9	573.3	13.0	11.6	12.4	10.0	0.010	2	SS
MW-7D	585.0	588.14	553.5	553.9	31.5	31.1	8.4	4.7	0.010	2	SS
MW-8S	586.5	586.43	572.0	573.9	14.5	12.6	12.6	9.7	0.010	2	SS
MW-8D	586.4	586.09	554.9	555.6	31.5	30.8	9.5	5.0	0.010	2	SS
MW-9S	585.4	588.49	571.4	573.0	14.0	12.4	12.3	9.7	0.010	2	SS
MW-9D	585.7	588.65	554.2	554.2	31.5	31.5	9.3	4.7	0.010	2	SS
MW-10S	585.7	588.58	570.7	572.3	15.0	13.4	13.1	10.0	0.010	2	SS
MW-10D	585.6	588.60	555.6	555.8	30.0	29.8	7.0	4.9	0.010	2	SS
MW-11S	585.0	587.83	571.5	573.6	13.5	11.4	12.8	9.7	0.010	2	SS
MW-11D	585.0	587.98	556.5	557.3	28.5	27.7	9.7	4.7	0.010	2	SS

TABLE 4.2-1 (Cont.)

MONITORING WELL AND PIEZOMETER CONSTRUCTION SUMMARY

WELL	ELEVATION (FT MSL)				DEPTH (FT BGS)		SAND PACK LENGTH (FT)	SCREEN LENGTH (FT)	SLOT SIZE (IN)	WELL DIAMETER (IN)	RISER AND SCREEN MATERIAL
	GROUND[1]	RISER[1]	BOTTOM OF		BOTTOM OF						
			BOREHOLE	WELL	BOREHOLE	WELL					
MW-12S	586.2	586.03	571.2	573.8	15.0	12.4	13.5	9.7	0.010	2	SS
MW-12D	586.2	586.01	552.2	552.5	34.0	33.7	8.4	4.7	0.010	2	SS
MW-13S	587.1	586.95	573.1	573.9	14.0	13.2	12.0	9.9	0.010	2	SS
MW-13D	587.1	586.90	553.1	553.6	34.0	33.5	8.0	5.0	0.010	2	SS
MW-14S	584.1	583.92	570.6	572.4	13.5	11.7	13.3	10.0	0.010	2	SS
MW-14D	584.3	584.05	552.8	553.2	31.5	31.1	8.0	5.0	0.010	2	SS
MW-15S	585.3	585.33	571.3	573.5	14.0	11.8	12.8	10.0	0.010	2	SS
MW-15D	585.5	585.39	556.0	556.3	29.5	29.2	8.5	4.7	0.010	2	SS
P-101[4]	585.0	588.14	571.0	572.9	14.0	12.1	12.5	10.0	0.010	1	PVC
P-102	585.6	588.52	571.6	573.4	14.0	12.2	12.5	10.0	0.010	1	PVC
P-103	586.4	589.44	571.9	573.9	14.5	12.5	13.0	10.0	0.010	2	PVC
P-104	586.0	589.07	572.0	574.0	14.0	12.0	12.5	10.0	0.010	1	PVC
P-105	584.2	583.96	570.2	572.5	14.0	11.7	13.5	10.0	0.010	2	PVC
P-106	586.4	589.60	556.9	557.5	29.5	28.9	27.5	24.3	0.010	2	PVC
P-107	584.9	584.41	569.9	572.4	15.0	12.5	14.0	9.3	0.010	2	PVC
P-108	586.6	589.52	556.6	557.6	30.0	29.0	9.5	5.0	0.010	2	PVC
PW-1	586.4	589.00	553.0	553.0	33.4	33.4	28.9	22.7	0.008	6	SS
W-2A[5]	584.1	586.22	575.6	575.5	8.5	8.6	8.5	5.5	NA	1.25	SS
W-2B[5]	584.1	586.74	564.1	564.2	20.0	19.9	3.0	2.5	NA	1.25	SS
W-2C[5]	584.1	586.80	549.1	552.3	35.0	31.8	8.0	2.5	NA	1.25	SS

TABLE 4.2-1 (Cont.)

MONITORING WELL AND PIEZOMETER CONSTRUCTION SUMMARY

WELL	ELEVATION (FT MSL)				DEPTH (FT BGS)		SAND PACK LENGTH (FT)	SCREEN LENGTH (FT)	SLOT SIZE (IN)	WELL DIAMETER (IN)	RISER AND SCREEN MATERIAL
	GROUND[1]	RISER[1]	BOTTOM OF		BOTTOM OF						
			BOREHOLE	WELL	BOREHOLE	WELL					
W-4A[5]	584.6	586.45	576.1	576.0	8.5	8.6	8.5	5.5	NA	1.25	SS
W-4B[5]	584.5	586.39	564.5	564.9	20.0	19.6	4.0	2.5	NA	1.25	SS
W-4C[5]	584.6	586.41	554.6	558.0	30.0	26.6	7.0	2.5	NA	1.25	SS
W-5[5]	586.2	589.66	577.2	577.2	9.0	9.0	9.0	5.5	NA	1.25	SS
W-6[5]	586.4	589.80	576.4	576.8	10.0	9.6	10.0	5.5	NA	1.25	SS
W-12[6]	583.7	585.81	573.7	576.7	10.0	7.0	8.0	5.0	NA	2	SS
W-13[6]	585.4	587.63	574.4	575.4	11.0	10.0	8.0	5.0	NA	2	SS
L-1[7]	584.7	586.4	466.2	471.2	118.5	113.5	22.0	10.0	0.010	1	PVC
L-2B[7]	583.4	585.4	449.9	458.4	133.5	125.0	23.6	10.0	0.010	1	PVC

NA Not Available
[1] Ground surface and riser elevation data from Barr Engineering Company survey.
[2] Converted to at grade well protection on 9/11/93. Previous riser elevation was 589.17 ft MSL.
[3] Converted to at grade well protection on 9/11/93. Previous riser elevation was 589.06 ft MSL.
[4] Piezometer P-101 was abandoned on 8/31/93.
[5] Well construction data from Warzyn Eng. Inc., 9/20/79, Hydrogeologic Investigation, Outboard Marine Corporation, Waukegan Illinois.
[6] Well construction data from Warzyn Eng. Inc., 7/29/80, Subsurface Investigation, North Ditch Area, Outboard Marine Corporation, Waukegan,Illinois.
[7] Well construction data and elevation data form Canonie Environmental, 3/90, Draft Summary Report, New Slip Soil Investigation, Waukegan Harbor, Illinois.

TABLE 4.2-2

GROUNDWATER AND SURFACE WATER ELEVATIONS

WELL	MEASURING POINT ELEVATIONS (FT/MSL)	1992 WATER LEVEL ELEVATIONS (FT/MSL)					
		04/07	04/09	04/15	04/21	05/07	05/27
MW-1S	587.76	581.79	581.75	581.73	581.79	581.63	581.41
MW-1D	587.62	581.78	581.74	581.71	581.76	581.60	581.39
MW-3S	588.24	582.70	582.59	582.75	582.68	582.27	581.99
MW-3D	588.23	582.64	582.54	582.70	582.63	582.23	581.94
MW-4S[1]	586.16	582.55	582.49	582.42	582.41	582.15	581.81
MW-4D[2]	585.93	582.52	582.41	582.34	582.34	582.07	581.72
MW-5S	587.89	580.57	580.55	580.75	580.79	580.73	580.76
MW-5D	588.47	580.54	580.53	580.73	580.78	580.72	580.74
MW-6S	588.45	580.75	580.74	580.84	580.89	580.86	580.82
MW-6D	588.51	580.70	580.67	580.77	580.83	580.81	580.77
MW-7S	587.78	--	--	--	--	----	--
MW-7D	588.14	--	--	--	--	--	--
MW-8S	586.43	--	--	--	--	--	--
MW-8D	586.09	--	--	--	--	--	--
MW-9S	588.49	--	--	--	--	--	--
MW-9D	588.65	--	--	--	--	--	--
MW-10S	588.58	--	--	--	--	--	--
MW-10D	588.60	--	--	--	--	--	--
MW-11S	587.83	--	--	--	--	--	--
MW-11D	587.98	--	--	--	--	--	--

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TABLE 4.2-2 (Cont.)

GROUNDWATER AND SURFACE WATER ELEVATIONS

WELL	MEASURING POINT ELEVATIONS (FT/MSL)	1992 WATER LEVEL ELEVATIONS (FT/MSL)					
		04/07	04/09	04/15	04/21	05/07	05/27
MW-12S	586.03	--	--	--	--	--	--
MW-12D	586.01	--	--	--	--	--	--
MW-13S	586.95	--	--	--	--	--	--
MW-13D	586.90	--	--	--	--	--	--
MW-14S	583.92	--	--	--	--	--	--
MW-14D	584.05	--	--	--	--	--	--
MW-15S	585.33	--	--	--	--	--	--
MW-15D	585.39	--	--	--	--	--	--
P-101[3]	588.14	582.30	582.27	582.09	582.04	581.80	581.66
P-102	588.52	583.02	582.93	582.70	582.61	582.36	582.15
P-103	589.44	582.45	582.38	582.02	582.02	581.81	581.50
P-104	589.07	582.80	582.73	582.42	582.43	582.15	581.79
P-105	583.96	--	--	--	--	--	--
P-106	589.60	--	--	--	--	--	--
P-107	584.41	--	--	--	--	--	--
P-108	589.52	--	--	--	--	--	--
PW-1	589.00	--	--	--	--	--	--
W-2A	586.22	--	--	--	--	--	--
W-2B	586.74	--	--	--	--	--	--
W-2C	586.80	--	--	--	--	--	--

TABLE 4.2-2 (Cont.)

GROUNDWATER AND SURFACE WATER ELEVATIONS

WELL	MEASURING POINT ELEVATIONS (FT/MSL)	1992 WATER LEVEL ELEVATIONS (FT/MSL)					
		04/07	04/09	04/15	04/21	05/07	05/27
W-4A	586.45	--	--	--	--	--	--
W-4B	586.39	--	--	--	--	--	--
W-4C	586.41	--	--	--	--	--	--
W-5	589.66	--	--	--	--	--	--
W-6	589.80	--	--	--	--	--	--
W-12	585.81	--	--	--	--	--	--
W-13	587.63	--	--	--	--	--	--
SW-1[4]	584.56	--	--	580.4	580.4	580.5	580.5
SW-2	585.52	--	--	--	--	--	--
SG-1	582.36[5]	--	--	--	--	--	--
SG-2	582.27[5]	--	--	--	--	--	--
SG-3	582.19[5]	--	--	--	--	--	--
L-2B	585.40	--	--	--	--	--	--

TABLE 4.2-2 (Cont.)

GROUNDWATER AND SURFACE WATER ELEVATIONS

WELL	MEAS. POINT ELEV. (FT/MSL)	1993 WATER LEVEL ELEVATIONS (FT/MSL)																	
		04/15	05/21	06/16	07/19	08/21	09/29	10/29	10/30	10/31	11/01	11/02	11/03	11/04	11/05	11/06	11/30	12/01	12/07
MW-1S	587.76	584.57	582.57	582.77	583.98	582.32	582.95	582.53	582.47	582.45	582.39	582.38	582.38	582.36	582.34	582.32	--	582.36	--
MW-1D	587.62	584.59	582.57	582.75	583.97	582.33	582.94	582.54	582.47	582.44	582.39	582.38	582.39	582.39	582.38	582.36	--	582.35	--
MW-3S	588.24	585.06	582.84	583.14	584.23	582.44	583.15	--	582.63	582.61	582.55	582.59	582.65	582.65	582.55	--	--	582.73	--
MW-3D	588.23	585.10	582.78	583.09	584.20	582.39	583.12	--	582.59	582.58	582.51	582.54	582.61	582.60	582.50	--	--	582.69	--
MW-4S[1]	586.16	584.59	582.85	583.05	583.92	582.44	583.20	--	582.75	582.72	582.68	582.66	582.69	582.65	582.63	--	--	582.73	--
MW-4D[2]	585.93	584.58	582.86	583.07	583.95	582.43	583.21	--	582.66	582.57	582.61	582.56	582.59	582.54	582.55	--	--	582.41	--
MW-5S	587.89	582.20	581.51	581.77	582.57	581.93	581.73	--	581.31	581.55	581.41	581.24	581.21	581.31	581.56	--	--	581.31	--
MW-5D	588.47	582.18	581.50	--	582.56	581.91	581.70	--	581.31	581.55	581.40	581.25	581.23	581.30	581.53	--	--	581.29	--
MW-6S	588.45	582.07	581.63	581.89	582.68	581.99	581.94	--	581.66	581.78	581.68	581.60	581.61	581.64	581.75	--	--	581.64	--
MW-6D	588.51	582.00	581.56	581.84	582.61	581.92	581.89	--	581.61	581.73	581.63	581.55	581.56	581.59	581.69	--	--	581.57	--
MW-7S	587.78	--	--	--	--	--	583.36	--	582.87	582.85	582.80	582.79	582.82	582.79	582.75	--	--	582.90	--
MW-7D	588.14	--	--	--	--	--	583.29	--	582.80	582.78	582.73	582.72	582.75	582.71	582.67	--	--	582.83	--
MW-8S	586.43	--	--	--	--	--	582.88	--	582.34	582.31	582.28	582.26	582.28	582.25	582.23	--	--	582.28	--
MW-8D	586.09	--	--	--	--	--	582.85	--	582.30	582.27	582.24	582.22	582.24	582.21	582.19	--	--	582.17	--
MW-9S	588.49	--	--	--	--	--	583.22	583.00	582.81	582.78	582.72	582.72	582.70	582.69	582.65	582.63	--	582.67	--
MW-9D	588.65	--	--	--	--	--	583.13	582.80	582.75	582.73	582.68	582.66	582.65	582.64	582.59	582.57	--	582.41	--
MW-10S	588.58	--	--	--	--	--	582.53	582.07	582.01	581.99	581.96	581.95	581.95	581.95	581.93	581.91	--	581.95	--
MW-10D	588.60	--	--	--	--	--	582.49	582.01	581.98	581.96	581.94	581.93	581.94	581.93	581.92	581.89	--	581.87	--
MW-11S	587.83	--	--	--	--	--	582.52	--	582.17	582.18	582.16	582.15	582.19	582.19	582.18	--	--	582.28	--
MW-11D	587.98	--	--	--	--	--	582.55	--	582.17	582.19	582.17	582.16	582.20	582.19	582.19	--	--	582.27	--
MW-12S	586.03	--	--	--	--	--	583.25	--	582.49	582.46	582.45	582.44	582.43	582.39	582.37	--	--	582.56	--

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TABLE 4.2-2 (Cont.)

GROUNDWATER AND SURFACE WATER ELEVATIONS

WELL	MEAS. POINT ELEV. (FT/MSL)	1993 WATER LEVEL ELEVATIONS (FT/MSL)																	
		04/15	05/21	06/16	07/19	08/21	09/29	10/29	10/30	10/31	11/01	11/02	11/03	11/04	11/05	11/06	11/30	12/01	12/07
MW-12D	586.01	--	--	--	--	--	583.26	--	582.48	582.47	582.45	582.44	582.43	582.40	582.37	--	--	582.55	--
MW-13S	586.95	--	--	--	--	--	583.22	--	582.55	582.54	582.54	582.53	582.54	582.48	582.46	--	--	582.71	--
MW-13D	586.90	--	--	--	--	--	583.14	--	582.33	582.48	582.50	582.49	582.47	582.44	582.41	--	--	582.58	--
MW-14S	583.92	--	--	--	--	--	582.84	--	582.57	582.59	582.57	582.56	582.55	582.52	582.50	--	--	582.65	--
MW-14D	584.05	--	--	--	--	--	582.81	--	582.57	582.59	582.59	582.58	582.57	582.53	582.52	--	--	582.54	--
MW-15S	585.33	--	--	--	--	--	583.23	--	--	582.67	582.61	582.66	582.70	582.73	582.66	--	--	582.90	--
MW-15D	585.39	--	--	--	--	--	583.23	--	--	582.66	582.60	582.65	582.69	582.71	582.65	--	--	582.84	--
P-101[3]	588.14	583.73	582.23	582.46	583.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--
P-102	588.52	585.13	582.91	583.05	584.07	582.43	583.14	--	582.69	582.67	582.64	582.63	582.67	582.66	582.60	--	--	582.78	--
P-103	589.44	584.57	582.80	583.02	584.11	582.40	582.97	582.29	582.47	582.44	582.40	582.41	582.39	582.33	581.06	582.21	--	582.36	--
P-104	589.07	585.53	582.95	583.24	584.44	582.48	583.26	--	582.78	582.73	582.68	582.65	582.66	582.65	582.61	--	--	582.71	--
P-105	583.96	--	--	--	--	--	583.17	--	582.60	582.58	582.54	582.53	582.52	582.48	582.45	--	--	582.67	--
P-106	589.60	--	--	--	--	--	--	582.37	--	582.47	582.42	582.42	582.41	582.33	579.84	582.23	--	582.41	--
P-107	584.41	--	--	--	--	--	582.65	582.36	582.33	582.32	582.27	582.25	582.24	582.26	582.25	582.20	--	582.29	--
P-108	589.52	--	--	--	--	--	--	582.43	582.52	582.50	582.44	582.43	582.41	582.37	581.33	582.23	--	582.41	--
PW-1	589.00	--	--	--	--	--	--	--	582.48	582.44	582.39	582.39	581.96	581.90	581.12	581.81	--	582.35	--
W-2A	586.22	--	--	--	--	--	582.61	--	582.62	582.81	582.79	582.77	582.79	582.78	582.79	--	--	583.11	--
W-2B	586.74	--	--	--	--	--	582.14	--	582.60	582.77	582.76	582.75	582.77	582.75	582.75	--	--	582.67	--
W-2C	586.80	--	--	--	--	--	582.49	--	582.57	582.73	582.71	582.70	582.72	582.70	582.70	--	--	--	583.16
W-4A	586.45	--	--	--	--	--	582.63	--	582.60	582.80	582.75	582.75	582.78	582.78	582.76	--	--	583.06	--
W-4B	586.39	--	--	--	--	--	583.10	--	582.56	582.74	582.71	582.71	582.75	582.73	582.73	--	--	583.53	--

13\49\003\WATERELV.TAB\CNL

TABLE 4.2-2 (Cont.)

GROUNDWATER AND SURFACE WATER ELEVATIONS

WELL	MEAS. POINT ELEV. (FT/MSL)	1993 WATER LEVEL ELEVATIONS (FT/MSL)																	
		04/15	05/21	06/16	07/19	08/21	09/29	10/29	10/30	10/31	11/01	11/02	11/03	11/04	11/05	11/06	11/30	12/01	12/07
W-4C	586.41	--	--	--	--	--	582.65	--	582.57	582.74	582.71	582.71	582.76	582.75	582.73	--	--	583.00	583.15
W-5	589.66	--	--	--	--	--	583.19	--	582.81	582.88	582.83	582.82	582.94	582.94	582.86	--	--	583.09	--
W-6	589.80	--	--	--	--	--	582.88	--	582.79	582.81	582.77	582.79	582.85	582.86	582.83	--	--	583.04	--
W-12	585.81	--	--	--	--	--	583.08	--	582.64	582.59	582.59	582.63	582.65	582.62	582.61	--	--	583.04	583.13
W-13	587.63	--	--	--	--	582.43	583.17	--	582.65	582.62	582.60	582.61	582.64	582.62	582.60	--	--	582.96	--
SG-1	582.36[4]	--	--	--	--	--	582.60	--	582.61	582.83	582.81	582.78	582.80	582.79	582.79	--	--	583.11	--
SG-2	582.27[4]	--	--	--	--	--	582.61	--	582.60	582.82	582.49	--	582.80	582.79	582.80	--	--	583.11	--
SG-3	582.19[4]	--	--	--	--	--	582.59	--	582.67	582.55	582.56	582.49	582.49	582.49	582.49	--	--	582.34	--
SW-1[5]	584.56	580.4	581.2	581.5	581.8	--	580.97	580.93	581.45	581.51	581.05	580.86	580.83	581.08	581.61	581.20	--	581.04	--
SW-2	585.52	--	--	--	--	--	581.07	580.87	581.28	581.57	581.17	581.13	580.95	580.97	581.70	581.44	--	581.04	--
L-2B	585.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	580.49	--	580.67
NSSD-1[6]	596.93	--	--	--	--	--	--	--	--	--	--	--	--	DRY	DRY	--	--	DRY	--
NSSD-2[6]	596.36	--	--	--	--	--	--	--	--	--	--	--	--	DRY	DRY	--	--	DRY	--
NSSD-3[6]	596.32	--	--	--	--	--	--	--	--	--	--	--	--	DRY	DRY	--	--	DRY	--

TABLE 4.2-2 (Cont.)

GROUNDWATER AND SURFACE WATER ELEVATIONS

WELL	MEAS. POINT ELEVATIONS (FT/MSL)	1994 WATER LEVEL ELEVATIONS (FT/MSL)			
		01/15	02/03	03/03	04/05
W-6	589.80	582.71	582.72	582.80	582.75
W-12	585.81	--	582.35	Frozen	582.25
W-13	587.63	582.39	582.29	582.95	582.44
SG-1	582.36[4]	Frozen	Frozen	Frozen	582.60
SG-2	582.27[4]	Frozen	Frozen	Frozen	582.49
SG-3	582.19[4]	582.46	581.63	581.82	583.19
SW-1[5]	584.56	Frozen	Frozen	Frozen	581.12
SW-2	585.52	Frozen	Frozen	Frozen	--
L-2B	585.40	--	580.48	--	--
NSSD-1[6]	596.93	Dry	Dry	Dry	Dry
NSSD-2[6]	596.36	Dry	Dry	Dry	Dry
NSSD-3[6]	596.32	Dry	Dry	Dry	Dry

-- Not measured
[1] Converted to at grade well protection on 9/11/93. Previous riser elevation was 589.17 ft MSL.
[2] Converted to at grade well protection on 9/11/93. Previous riser elevation was 589.06 ft MSL.
[3] Piezometer P-101 was abandoned on 8/31/93.
[4] Elevations given represent the 1-foot mark on each staff gauge.
[5] Prior to September 29, 1993, this measuring point was called "Harbor" and had a measuring point elevation of 584.65 feet (MSL).
[6] Measuring point is top of concrete pad along the west side at the southwest corner of the pond.

TABLE 4.2-3

ON-SITE PRECIPITATION MEASUREMENTS

DATE	PRECIPITATION MEASUREMENTS (INCHES)	
	GAUGE 1[1]	GAUGE 2[2]
8/23/93	0.3	--
8/24/93	0.0	--
8/25/93	0.0	--
8/26/93	0.0	--
8/27/93	0.0	--
8/28/93	--	--
8/29/93	--	--
8/30/93	0.21	--
8/31/93	0.0	--
9/1/93	0.0	--
9/2/93	0.0	--
9/3/93	--	--
9/4/93	--	--
9/5/93	--	--
9/6/93	0.0	--
9/7/93	0.1	--
9/8/93	0.0	--
9/9/93	0.0	--
9/10/93	0.0	--
9/11/93	0.1	--
9/12/93	0.0	--
9/13/93	0.4	--
9/14/93	0.25	--
9/15/93	0.0	--
9/16/93	0.0	--
9/17/93	--	--
9/18/93	--	--
9/19/93	0.15	--
9/20/93	0.2	--
9/21/93	0.0	--
9/22/93	--	--

TABLE 4.2-3 (Cont.)

ON-SITE PRECIPITATION MEASUREMENTS

DATE	PRECIPITATION MEASUREMENTS (INCHES)	
	GAUGE 1[1]	GAUGE 2[2]
9/23/93	0.0	--
9/24/93	--[3]	--
9/25/93	0.0	--
9/26/93	0.0	--
9/27/93	0.0	--
9/28/93	--	--
9/29/93	--	--
9/30/93	--	--
10/1/93	0.0	--
10/2/93	--	--
10/3/93	--	--
10/4/93	0.0	--
10/5/93	0.0	--
10/6/93	0.0	--
10/7/93	0.0	--
10/8/93	--	--
10/9/93	--	--
10/10/93	--	--
10/11/93	--	--
10/12/93	--	--
10/13/93	0.0	--
10/14/93	0.0	--
10/15/93	0.0	--
10/16/93	0.2	--
10/17/93	1.4	--
10/18/93	--	--
10/19/93	0.0	--
10/20/93	0.0	--
10/21/93	--	--
10/22/93	--	--

TABLE 4.2-3 (Cont.)

ON-SITE PRECIPITATION MEASUREMENTS

DATE	PRECIPITATION MEASUREMENTS (INCHES)	
	GAUGE 1[1]	GAUGE 2[2]
10/23/93	--	--
10/24/93	--	--
10/25/93	0.1	--
10/26/93	0.0	0.0
10/27/93	0.0	0.0
10/28/93	0.0	0.0
10/29/93	0.0	0.0
10/30/93	0.1	0.06
10/31/93	<0.1	0.02
11/1/93	0.0	0.02
11/2/93	--	--
11/3/93	0.1	0.09
11/4/93	0.0	0.0
11/5/93	0.0	0.0
11/6/93	<0.1	0.05
11/7/93	--	--
11/8/93	--	--
11/9/93	--	--
11/10/93	--	--
11/11/93	--	--
11/12/93	--	0.44
11/13/93	--	--
11/14/93	--	0.23

-- No measurement.
[1] Gauge installed on 8/23/93 close to Monitoring Well MW-09D.
[2] Gauge installed on 10/26/93 next to Pumping Well PW-1.
[3] Gauge tipped over, standing water on-site.

TABLE 4.2-4

SLUG TEST RESULTS[1]

WELL	LITHOLOGY OF SCREENED INTERVAL	HYDRAULIC CONDUCTIVITY[2] (FT/DAY)	HYDRAULIC CONDUCTIVITY[2] (CM/SEC)
MW-1S	Sand	16.3	5.8×10^{-3}
MW-1D	Sand	4.5	1.6×10^{-3}
MW-3S	Sand	4.7	1.7×10^{-3}
MW-3D	Sand with Silt	10.7	3.8×10^{-3}
MW-4S	Sand	7.1	2.5×10^{-3}
MW-4D	Sand	3.8	1.4×10^{-3}
MW-5S	Sand	5.1	1.8×10^{-3}
MW-5D	Sand	13.8	4.9×10^{-3}
MW-6S	Sand	6.8	2.4×10^{-3}
MW-6D	Sand	1.1	4.0×10^{-4}
MW-7S	Sand with Silt	2.2	7.9×10^{-4}
MW-7D	Sand with Silt	4.3	1.5×10^{-3}
MW-8S	Sand with Silt	2.7	9.4×10^{-4}
MW-8D	Sand	5.1	1.8×10^{-3}
MW-9S	Sand with Silt	3.5	1.2×10^{-3}
MW-9D	Sand with Silt	7.5	2.6×10^{-3}
MW-10S	Sand	4.6	1.6×10^{-3}
MW-10D	Sand	4.8	1.7×10^{-3}
MW-11S	Sand	3.1	1.1×10^{-3}
MW-11D	Sand with Silt	11.9	4.2×10^{-3}
MW-12S	Sand	3.3	1.2×10^{-3}
MW-12D	Sand with Silt	9.0	3.2×10^{-3}
MW-13S	Sand	2.6	9.0×10^{-4}
MW-13D	Sand	3.8	1.4×10^{-3}
MW-14S	Sand	3.8	1.3×10^{-3}
MW-14D	Sand	6.9	2.4×10^{-3}
MW-15S	Sand with Silt	2.9	1.0×10^{-3}
MW-15D	Sand with Silt	12.6	4.4×10^{-3}
P-105	Sand	2.8	9.9×10^{-4}
P-106	Sand with Silt	1.5	5.0×10^{-4}

TABLE 4.2-4 (Cont.)

SLUG TEST RESULTS[1]

WELL	LITHOLOGY OF SCREENED INTERVAL	HYDRAULIC CONDUCTIVITY[2] (FT/DAY)	HYDRAULIC CONDUCTIVITY[2] (CM/SEC)
P-107	Sand with Silt	1.9	5.9×10^{-4}
P-108	Sand with Silt	8.7	3.1×10^{-3}
PW-1	Sand with Silt	7.1	2.5×10^{-3}
Geometric Mean		4.7	1.7×10^{-3}

[1] Bouwer and Rice Method (Bouwer and Rice, 1976; Bouwer, 1989).

[2] Value given is the geometric mean of all valid slug tests conducted at each well.

TABLE 4.2-5

SUMMARY OF PUMPING TEST DATA ANALYSES

	TRANS-MISSIVITY (ft^2/min)	AVERAGE TRANSMISSIVITY (FT^2/MIN)	$K_V:K_H$ RATIO[a]	METHOD
PW-1	0.98	0.92		1
	0.85			1
P-106	0.91	0.96		1
	1.10			2
	0.86			1
P-103	0.76	0.75	0.32	3
	0.73			1
P-108	0.76	0.76	0.17	3
Mean Value		0.84[b]	0.24[b]	

Methods:

1 - Theis Recovery Method (Theis, 1935)

2 - Theis Method (Theis, 1935)

3 - Neuman, 1975

[a]Ratio of vertical hydraulic conductivity to horizontal hydraulic conductivity.

[b]Geometric mean.

TABLE 4.2-6

TRIAXIAL PERMEABILITY TEST RESULTS

SOIL BORING	SAMPLE DEPTH (FT)	PERMEABILITY TEST		
		TYPE OF TEST	K @ 20°C (cm/sec)	K @ 20°C (ft/min)
SB-2114	32-34	Falling Head	2.9×10^{-8}	5.7×10^{-8}
SB-4406	12-14	Constant Head	1.6×10^{-3}	3.2×10^{-3}
SB-4411	24.5-26.5	Constant Head	1.8×10^{-3}	3.5×10^{-3}
SB-4415	36-37.2	Falling Head	1.3×10^{-8}	2.5×10^{-8}
SB-4806	12-14	Constant Head	5.9×10^{-3}	1.2×10^{-2}
SB-4812	27-29	Constant Head	1.1×10^{-3}	2.1×10^{-3}
SB-4815	34.5-36.5	Falling Head	2.7×10^{-8}	5.4×10^{-8}

TABLE 4.3-1

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
FIELD PARAMETERS

	MW1S		MW3S		MW4S	
	04/09/92	12/01/93	04/07/92	12/01/93	04/07/92	12/01/93
Temperature, oC	11.0	12.6	11.0	11.5	10.0	11.5
Specific Conductance,umhos/cm @ 25oC	1200	1600	585	930	800	855
Redox, mV	--	-96	--	-105	--	-97
pH, standard units	7.2	7.20	7.4	6.88	8.0	7.37
Dissolved Oxygen, mg/L	--	2.1	--	2.5	--	1.5

	MW5S		MW6S			MW7S
	04/08/92	12/01/93	04/08/92	10/01/93	12/01/93	10/01/93
Temperature, oC	9.0	11.5	11.0	15.0	11.7	16.0
Specific Conductance,umhos/cm @ 25oC	475	746	1100	1200	1220	850
Redox, mV	--	-50	--	-30.0	-50	+32.0
pH, standard units	7.4	7.40	7.5	7.41	7.51	6.38
Dissolved Oxygen, mg/L	--	3.2	--	3	2.0	2.2

	MW7S	MW8S		MW9S		MW10S
	12/01/93	10/01/93	11/30/93	10/01/93	12/02/93	10/01/93
Temperature, oC	9.8	17.0	12.5	16.0	7.8	15.0
Specific Conductance,umhos/cm @ 25oC	750	1000	1200	2000	2000	500
Redox, mV	+15	-13.0	+8	+41.0	+75	-30.0
pH, standard units	6.67	7.10	7.37	6.18	5.37	7.47
Dissolved Oxygen, mg/L	3.5	2.1	2.1	2.1	4.0	2.5

	MW10S	MW11S		MW12S		MW13S
	12/01/93	10/01/93	11/30/93	09/30/93	11/30/93	09/30/93
Temperature, oC	10.9	17.0	10.2	16.0	10.8	16.0
Specific Conductance,umhos/cm @ 25oC	520	2000	970	500	590	400
Redox, mV	-6	-12.0	-26	+8.0	-50	-6.3
pH, standard units	7.75	7.05	7.47	6.88	7.68	6.90
Dissolved Oxygen, mg/L	5.0	3.1	5.8	2.2	2.5	2.8

	MW13S	MW14S		MW15S	
	11/30/93	09/30/93	11/30/93	09/30/93	11/30/93
Temperature, oC	11.5	16.0	9.0	16.0	10.7
Specific Conductance,umhos/cm @ 25oC	426	500	525	600	590
Redox, mV	+5	-12.0	+101	+15.0	-35
pH, standard units	7.53	7.05	7.8	6.78	7.70
Dissolved Oxygen, mg/L	4.0	2.9	2.5	2.8	2.5

-- Not measured.

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TABLE 4.3-2

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
FIELD PARAMETERS

	MW1D		MW3D		MW4D	
	04/09/92	12/01/93	04/07/92	12/01/93	04/07/92	12/01/93
Temperature, oC	12.0	11.3	13.0	11.9	13.0	11.2
Specific Conductance,umhos/cm @ 25oC	6500	980	10200	14030	12100	16300
Redox, mV	--	-43	--	-55	--	-24
pH, standard units	8.6	8.71	9.4	8.48	7.4	8.31
Dissolved Oxygen, mg/L	--	0.5	--	1.0	--	0.5

	MW5D		MW6D			MW7D
	04/08/92	12/01/93	04/08/92	10/01/93	12/01/93	10/01/93
Temperature, oC	11.0	11.1	11.0	12.0	10.9	12.0
Specific Conductance,umhos/cm @ 25oC	4400	5450	13500	17000	21000	13000
Redox, mV	--	+25	--	-49.0	-107	-104.0
pH, standard units	8.2	8.26	7.5	7.84	7.81	8.70
Dissolved Oxygen, mg/L	--	1.1	--	1.8	0.5	2.1

	MW7D	MW8D		MW9D		MW10D
	12/01/93	10/01/93	11/30/93	09/30/93	12/02/93	10/01/93
Temperature, oC	11.1	13.0	12.6	13.0	9.9	12.0
Specific Conductance,umhos/cm @ 25oC	19500	10000	13000	9500	11000	15500
Redox, mV	-86	-106.0	+34	-58.0	+88	-90.0
pH, standard units	8.76	8.73	8.97	7.85	7.98	8.47
Dissolved Oxygen, mg/L	0.5	2.3	2.0	*	0.5	2.2

	MW10D	MW11D		MW12D		MW13D
	12/01/93	10/01/93	11/30/93	09/30/93	11/30/93	09/30/93
Temperature, oC	11.2	13.0	12.1	12.0	10.0	12.0
Specific Conductance,umhos/cm @ 25oC	11150	3000	3050	2000	2200	11500
Redox, mV	+55	+6.0	+8	-6.0	-10	-92.0
pH, standard units	8.44	7.09	7.24	7.07	7.30	8.47
Dissolved Oxygen, mg/L	2.5	2.6	3.8	1.5	1.8	4

	MW13D	MW14D		MW15D		PW1
	11/30/93	09/30/93	11/30/93	09/30/93	11/30/93	12/02/93
Temperature, oC	10.4	13.0	11.0	12.0	11.6	12.3
Specific Conductance,umhos/cm @ 25oC	15800	500	560	3000	3100	4700
Redox, mV	-80	-60.0	+60	+9.0	+19	-74
pH, standard units	8.63	7.67	7.48	6.70	6.90	8.51
Dissolved Oxygen, mg/L	0.5	2.9	2.2	5.5	1.2	0.5

-- Not measured.

* Not measured. Possible damage to probe if used in well.

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TABLE 4.3-3

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	MW1S		MW3S		MW4S		MW5S	
	04/09/92	12/01/93	04/07/92	12/01/93	04/07/92	12/01/93	04/08/92	12/01/93
Arsenic, total	120	152	134	1700	18.4	25.9	243	251
Arsenic III	--	20.1 J	--	1330 J	--	10 UJ	--	10 UJ
Arsenic V	--	121	--	516	--	10 U	--	10 U
Cyanide, total	103	88.0 J	115	43.2 J	7.1 B	4.6 BJ	5.0 B	1.2 UJ
Amenable Cyanide	--	<50.0	--	<5.0	--	<5.0	--	<5.0
Thiocyanate	--	350	--	<100	--	<100	--	131
Cyanide, WAD	--	<5.0	--	<5.0	--	<5.0	--	<5.0
Aluminum	69.4 U	--	28.0 U	--	82.2 U	--	74.8 U	--
Antimony	10.9 U	--	10.9 U	--	10.9 U	--	16.5 U	--
Barium	79.8 B	--	184 B	--	204	--	129 BJ	--
Beryllium	0.19 U	--	0.19 U	--	0.19 U	--	0.42 U	--
Cadmium	2.9 U	3.2 U	3.2 B	3.2 U	2.9 U	3.2 U	2.9 U	3.2 U
Calcium	85200	--	117000	--	114000	--	84100	--
Chromium, total	2.1 U	--	2.1 U	--	2.1 U	--	2.1 B	--
Cobalt	3.6 U	--	3.6 U	--	3.6 U	--	3.6 U	--
Copper	4.7 U	--	19.4 U	--	30.6	--	13.5 U	--
Iron	167 U	--	1040	--	224 U	--	30.9 UJ	--
Lead	0.92 U	1.6 U	1.8 B	1.6 U	0.92 U	1.6 U	0.92 U	1.6 U
Magnesium	32700	--	25100	--	27600	--	19300	--
Manganese	521	--	885	--	370	--	207	--
Mercury	0.16 U	0.13 U	0.0010 U	0.13 B	0.0010 U	0.13 U	0.0010 U	0.13 U
Nickel	13.4 U	--	3.8 U	--	3.8 U	--	3.8 U	--
Potassium	3840 B	--	3460 B	--	2880 B	--	765 B	--
Selenium	1.6 UJ	1.5 U	2.6 BJ	1.5 U	1.2 UJ	1.5 U	1.7 BJ	1.5 U
Silver	1.7 U	--	1.7 U	--	1.7 U	--	1.7 U	--
Sodium	30400	--	10900	--	35600	--	5030 J	--
Thallium	1.7 U	--	1.7 U	--	1.7 U	--	1.7 U	--
Vanadium	6.1 U	--	1.7 U	--	1.7 U	--	1.7 U	--
Zinc	16.8 U	--	26.0 UJ	--	30.0 UJ	--	27.2 U	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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TABLE 4.3-3 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	MW6S			MW7S		MW8S	
	04/08/92 Sample	04/08/92 Duplicate	12/01/93	10/01/93	12/01/93	10/01/93	11/30/93
Arsenic, total	350	387	343	345 J	174	1.0 UJ	3.0 B
Arsenic III	--	--	167 J	--	157 J	--	10 UJ
Arsenic V	--	--	29.6	--	65.0	--	5.1
Cyanide, total	12.2	17.1	10.9 J	34.1	27.7 J	0.96 B	1.2 UJ
Amenable Cyanide	--	--	<250	--	<5.0	--	<5.0
Thiocyanate	--	--	1120	--	<100	--	115
Cyanide, WAD	--	--	<5.0	--	6.2	--	<5.0
Aluminum	19.0 U	40.7 U	--	22.8 B	--	39.4 B	--
Antimony	10.9 U	10.9 U	--	11.7 U	--	11.7 U	--
Barium	153 BJ	148 BJ	--	209	--	175 B	--
Beryllium	0.19 U	0.22 U	--	0.15 U	--	0.15 U	--
Cadmium	4.3 B	2.9 U	3.2 U	2.9 U	3.2 U	2.9 U	3.2 U
Calcium	154000	142000	--	117000	--	111000	--
Chromium, total	2.1 U	2.1 U	--	2.3 U	--	3.9 B	--
Cobalt	3.6 U	3.6 U	--	3.6 B	--	4.4 B	--
Copper	12.6 U	12.6 U	--	7.1 B	--	16.9 B	--
Iron	305 J	241 UJ	--	6800	--	574	--
Lead	1.1 B	3.2	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ
Magnesium	41700	37900	--	26400	--	45200	--
Manganese	491	442	--	757 J	--	514 J	--
Mercury	0.0010 U	0.0010 U	0.13 U	0.10 UJ	0.13 U	0.04 UJ	0.13 U
Nickel	3.8 U	3.8 U	--	8.7 U	--	84.8	--
Potassium	2170 B	2370 B	--	8850	--	5090	--
Selenium	2.9 BJ	2.0 BJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ
Silver	1.7 U	1.7 U	--	1.6 U	--	1.6 U	--
Sodium	8230 J	7920 J	--	11500 J	--	59900 J	--
Thallium	1.7 U	1.7 U	--	1.4 U	--	1.4 U	--
Vanadium	3.2 B	4.1 B	--	1.9 U	--	1.9 U	--
Zinc	19.1 U	27.9 U	--	8.1 B	--	7.4 B	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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TABLE 4.3-3 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	MW9S		MW10S			MW11S		
	10/01/93	12/02/93	10/01/93 Sample	10/01/93 Duplicate	12/01/93	10/01/93	11/30/93 Sample	11/30/93 Duplicate
Arsenic, total	4100 J	248	60.3 J	51.5 J	16.8	4.6 BJ	4.3 B	3.7 B
Arsenic III	--	29.0	--	--	10 UJ	--	10 UJ	10 UJ
Arsenic V	--	10 U	--	--	17.8	--	12.4	10 U
Cyanide, total	429	651 J	15.9	18.4	1.2 UJ	0.96 B	1.2 UJ	1.2 UJ
Amenable Cyanide	--	70.5	--	--	<5.0	--	<5.0	<5.0
Thiocyanate	--	1330	--	--	131	--	<100	<100
Cyanide, WAD	--	31.4	--	--	<5.0	--	<5.0	<5.0
Aluminum	97.4 B	--	30.0 B	25.6 B	--	13.6 U	--	--
Antimony	13.3 B	--	11.7 U	11.7 U	--	14.6 B	--	--
Barium	53.3 B	--	74.9 B	83.7 B	--	133 B	--	--
Beryllium	0.18 B	--	0.15 U	0.15 U	--	0.15 U	--	--
Cadmium	4.0 B	3.2 U	2.9 U	2.9 U	3.2 U	2.9 U	3.2 U	3.2 U
Calcium	398000	--	64700	65800	--	84400	--	--
Chromium, total	2.3 U	--	2.3 U	2.3 U	--	2.3 U	--	--
Cobalt	13.2 B	--	1.9 U	1.9 U	--	1.9 U	--	--
Copper	5.2 B	--	7.9 B	7.1 B	--	10.6 B	--	--
Iron	13900	--	222	214	--	224	--	--
Lead	3.6	1.8 B	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 UJ
Magnesium	126000	--	16500	16700	--	18900	--	--
Manganese	1770 J	--	403 J	410 J	--	451 J	--	--
Mercury	0.04 UJ	2.2	0.25 J	0.22 J	0.13 U	0.09 UJ	0.13 U	0.13 U
Nickel	42.9	--	8.7 U	8.7 U	--	24.4 B	--	--
Potassium	5890	--	12500	12200	--	6020	--	--
Selenium	3.0 B	10.4	1.5 U	1.7 B	1.5 U	1.5 U	1.5 UJ	1.5 UJ
Silver	1.6 U	--	1.6 U	1.6 U	--	1.6 U	--	--
Sodium	10400 J	--	3220 BJ	3140 BJ	--	211000 J	--	--
Thallium	1.4 U	--	1.4 U	1.4 U	--	1.4 UJ	--	--
Vanadium	2.2 B	--	1.9 U	1.9 U	--	1.9 U	--	--
Zinc	33.2	--	10.0 B	6.8 B	--	9.6 B	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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TABLE 4.3-3 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	MW12S		MW13S		MW14S		MW15S	
	09/30/93	11/30/93	09/30/93	11/30/93	09/30/93	11/30/93	09/30/93	11/30/93
Arsenic, total	17.0 UJ	13.1	31.8 J	31.0	90.4 J	63.5	4.9 BJ	2.2 B
Arsenic III	--	12.2 J	--	10 UJ	--	15 J	--	10 UJ
Arsenic V	--	10.8	--	22.6	--	39.8	--	10 U
Cyanide, total	0.96 BJ	1.2 UJ	1.5 B	1.2 UJ	18.2	1.2 UJ	0.96 B	1.2 UJ
Amenable Cyanide	--	<5.0	--	<5.0	--	<5.0	--	<5.0
Thiocyanate	--	<100	--	<100	--	232	--	<100
Cyanide, WAD	--	<5.0	--	<5.0	--	<5.0	--	<5.0
Aluminum	52.7 B	--	25.7 B	--	13.6 U	--	20.6 B	--
Antimony	11.7 U	--	11.7 U	--	11.7 J	--	11.7 U	--
Barium	81.2 B	--	81.8 B	--	73.4 B	--	120 B	--
Beryllium	0.18 B	--	0.15 U	--	0.15 U	--	0.15 U	--
Cadmium	2.9 U	3.2 U	2.9 U	3.2 U	2.9 U	3.2 U	11.1	3.2 U
Calcium	64300	--	65800	--	69400	--	93100	--
Chromium, total	2.3 U	--	2.3 U	--	2.3 U	--	2.3 U	--
Cobalt	2.3 B	--	1.9 U	--	1.9 U	--	2.5 B	--
Copper	10.5 B	--	6.8 B	--	3.7 B	--	7.1 B	--
Iron	23.6 B	--	16.2 B	--	157	--	10.9 B	--
Lead	1.6 U	1.6 UJ	1.6 U	1.6 UJ	1.6 U	2.6 BJ	1.6 U	1.6 UJ
Magnesium	15300	--	15100	--	12100	--	26800	--
Manganese	225 J	--	271 J	--	487 J	--	310 J	--
Mercury	0.05 UJ	0.13 U	0.07 UJ	0.13 U	0.08 UJ	0.13 U	0.09 UJ	0.13 U
Nickel	8.7 U	--	8.7 U	--	8.7 U	--	8.7 U	--
Potassium	2050 B	--	2050 B	--	2090 B	--	3050 B	--
Selenium	1.5 U	1.5 UJ	1.5 U	1.5 UJ	1.5 U	1.5 UJ	1.5 U	1.5 UJ
Silver	1.6 U	--	1.6 U	--	1.6 U	--	1.6 U	--
Sodium	8230 J	--	3810 BJ	--	16600 J	--	6130 J	--
Thallium	1.4 U	--	1.4 U	--	1.4 U	--	1.4 U	--
Vanadium	2.1 B	--	3.0 B	--	2.1 B	--	1.9 U	--
Zinc	8.4 B	--	7.5 B	--	9.4 B	--	8.0 B	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
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TABLE 4.3-4

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW1S		MW3S		MW4S		MW5S	
	04/09/92	12/01/93	04/07/92	12/01/93	04/07/92	12/01/93	04/08/92	12/01/93
BETX COMPOUNDS								
Benzene	23	22	10 U	10 U	10 U	10 U	70	15
Ethyl Benzene	11	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Toluene	7 J	5 J	10 U	10 U	10 U	10 U	50 U	10 U
Xylenes	39	30	10 U	10 U	10 U	10 U	50 U	10 U
Sum of BETX	80 a	57 a	ND	ND	ND	ND	70	15
CHLORINATED COMPOUNDS								
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Chlorodibromomethane	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	700	150
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	20 J	10 U
1,1-Dichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	12 J	10 U
1,2-Dichloroethylene	10 U	10 U	3 J	10 U	10 U	10 U	50 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Cis-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Trans-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Styrene	3 J	10 U	10 U	10 U	10 U	10 U	50 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Tetrachloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	68	200
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Trichloroethylene	10 U	10 U	3 J	10 U	10 U	10 U	50 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
OTHER COMPOUNDS								
Acetone	10 U	10 U	6 J	10 U	5 J	10 U	50 U	10 U
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Carbondisulfide	3 J	10 U	10 U	10 U	10 U	10 U	50 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Methyl Ethyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Methyl Isobutyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-4 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW6S			MW7S		MW8S		MW9S
	04/08/92 Sample	04/08/92 Duplicate	12/01/93	10/01/93	12/01/93	10/01/93	11/30/93	10/01/93
BETX COMPOUNDS								
Benzene	44	50	50	10 U	10 U	10 U	10 U	7 J
Ethyl Benzene	69	78	42	10 U	10 U	10 U	10 U	3 J
Toluene	23	25	11	10 U	10 U	10 U	10 U	11
Xylenes	100	120	33	10 U	10 U	10 U	10 U	80
Sum of BETX	236	273	136	ND	ND	ND	ND	101 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorodibromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Styrene	7 J	8 J	10 U	10 U	10 U	10 U	10 U	2 J
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
OTHER COMPOUNDS								
Acetone	11 U	10 U	10 U	10 U	10 U	10 U	10 U	22
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbondisulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Ethyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-4 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW9S	MW10S			MW11S			MW12S
	12/02/93	10/01/93 Sample	10/01/93 Duplicate	12/01/93	10/01/93	11/30/93 Sample	11/30/93 Duplicate	09/30/93
BETX COMPOUNDS								
Benzene	10 U	17	15	6 J	10 U	10 U	10 U	10 U
Ethyl Benzene	10 U	1 J	1 J	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes	10 U	3 J	3 J	10 U	10 U	10 U	10 U	10 U
Sum of BETX	ND	21 a	19 a	6 a	ND	ND	ND	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorodibromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	4 J	4 J	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethylene	10 U	10 U	10 U	10 U	83	88	95	4 J
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	18	16	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	26	46	51	10 U
OTHER COMPOUNDS								
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	30 J
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbondisulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Ethyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-4 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW12S	MW13S		MW14S		MW15S	
	11/30/93	09/30/93	11/30/93	09/30/93	11/30/93	09/30/93	11/30/93
BETX COMPOUNDS							
Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethyl Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sum of BETX	ND	ND	ND	ND	ND	ND	ND
CHLORINATED COMPOUNDS							
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorodibromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	3 J	2 J
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethylene	3 J	1 J	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	5 J	10 U	6 J	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	3 J	3 J
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
OTHER COMPOUNDS							
Acetone	10 U	20 J	10 U	31 J	10 U	10 UJ	10 U
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbondisulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Ethyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U

ND Not detected.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-5

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW1S		MW3S		MW4S		MW5S	
	04/09/92(1)	12/01/93	04/07/92(1)	12/01/93	04/07/92(1)	12/01/93	04/08/92(1)	12/01/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	100 U	7.14 U	20 U	1.785 U	7 J	1.785 U	10 U	1.785 U
Benzo(b)fluoranthene	100 U	9.636 U	20 U	2.409 U	3 J	2.409 U	10 U	2.409 U
Benzo(k)fluoranthene	100 U	7.672 U	20 U	1.918 U	3 J	1.918 U	10 U	1.918 U
Benzo(a)pyrene	100 U	8.852 U	20 U	2.213 U	3 J	2.213 U	10 U	2.213 U
Carbazole	86 J	74	20 U	1.648 U	12 J	4 J	10 U	1.648 U
Chrysene	100 U	7.7 U	20 U	1.925 U	11 J	1.925 U	10 U	1.925 U
Dibenzo(ah)anthracene	100 U	7.772 U	20 U	1.943 U	20 U	1.943 U	10 U	1.943 U
Indeno(1,2,3,cd)pyrene	100 U	8.82 U	20 U	2.205 U	20 U	2.205 U	10 U	2.205 U
Sum of Carcinogens	86 a	74	ND	ND	39 a	4 a	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	110	190	20 U	1.487 U	100	46	10 U	1.487 U
Acenaphthylene	100 U	5.904 U	20 U	1.476 U	5 J	2 J	10 U	1.476 U
Anthracene	100 U	6.38 U	20 U	1.595 U	9 J	2 J	10 U	1.595 U
Benzo(ghi)perylene	100 U	7.968 U	20 U	1.992 U	20 U	1.992 U	10 U	1.992 U
Dibenzofuran	46 J	78	20 U	1.404 U	25	11	10 U	1.404 U
Fluoranthene	100 U	5.908 U	20 U	1.477 U	45	16	10 U	1.477 U
Fluorene	46 J	84	20 U	1.442 U	62	16	10 U	1.442 U
2-Methylnaphthalene	72 J	45	20 U	1.385 U	20 U	1.385 U	10 U	1.385 U
Naphthalene	1500	1400	20 U	1.356 U	20 U	1.356 U	10 U	1.356 U
Phenanthrene	27 J	40	20 U	1.554 U	43	3 J	10 U	1.554 U
Pyrene	100 U	7.256 U	20 U	1.814 U	32	9 J	10 U	1.814 U
Sum of Non-Carcinogens	1801 a	1837	ND	ND	321 a	105 a	ND	ND
Sum of Total PAH Compounds	1887 a	1911	ND	ND	360 a	109 a	ND	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	100 U	--	20 U	--	20 U	--	10 U	--
2-Chlorophenol	100 U	--	20 U	--	20 U	--	10 U	--
o-Cresol	100 U	1.705 U	9 J	1.705 U	48 J	1.705 U	6 J	1.705 U
p-Cresol	23 J	2 J	26	1.643 U	150	1.643 U	20	1.643 U
2,4-Dichlorophenol	100 U	--	20 U	--	20 U	--	10 U	--
2,4-Dimethylphenol	100 U	3.165 U	20 U	3.165 U	7 J	3.165 U	2 J	3.165 U
2,4-Dinitrophenol	250 U	--	50 U	--	50 U	--	25 U	--
2-Methyl-4,6-dinitrophenol	250 U	--	50 U	--	50 U	--	25 U	--
2-Nitrophenol	100 U	--	20 U	--	20 U	--	10 U	--
4-Nitrophenol	250 U	--	50 U	--	50 U	--	25 U	--
Pentachlorophenol	250 U	--	50 U	--	50 U	--	25 U	--
Phenol	100 U	4 J	110	1 J	450	1.296 U	47	1.296 U
2,4,5-Trichlorophenol	250 U	--	50 U	--	50 U	--	25 U	--
2,4,6-Trichlorophenol	100 U	--	20 U	--	20 U	--	10 U	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
(1) U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-5 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW1S		MW3S		MW4S		MW5S	
	04/09/92(1)	12/01/93	04/07/92(1)	12/01/93	04/07/92(1)	12/01/93	04/08/92(1)	12/01/93
OTHER SEMIVOLATILE ORGANIC COMPOUNDS								
Bis(2-chloroethoxy)methane	100 U	--	20 U	--	20 U	--	10 U	--
Bis(2-chloroethyl)ether	100 U	--	20 U	--	20 U	--	10 U	--
Bis(2-chloroisopropyl)ether	100 U	--	20 U	--	20 U	--	10 U	--
Bis(2-ethylhexyl)phthalate	100 U	--	20 U	--	2 J	--	9 J	--
4-Bromophenyl phenyl ether	100 U	--	20 U	--	20 U	--	10 U	--
Butyl benzyl phthalate	100 U	--	20 U	--	20 U	--	10 U	--
4-Chloroaniline	100 U	--	20 U	--	20 U	--	10 U	--
2-Chloronaphthalene	100 U	--	20 U	--	20 U	--	10 U	--
4-Chlorophenyl phenyl ether	100 U	--	20 U	--	20 U	--	10 U	--
Di-n-butyl phthalate	100 U	--	20 U	--	20 U	--	10 U	--
Di-n-octyl phthalate	100 U	--	20 U	--	20 U	--	10 U	--
1,2-Dichlorobenzene	100 U	--	20 U	--	20 U	--	10 U	--
1,3-Dichlorobenzene	100 U	--	20 U	--	20 U	--	10 U	--
1,4-Dichlorobenzene	100 U	--	20 U	--	20 U	--	10 U	--
3,3-Dichlorobenzidine	100 U	--	20 U	--	20 U	--	10 U	--
Diethyl phthalate	100 U	--	20 U	--	20 U	--	10 U	--
Dimethyl phthalate	100 U	--	20 U	--	20 U	--	10 U	--
2,4-Dinitrotoluene	100 U	--	20 U	--	20 U	--	10 U	--
2,6-Dinitrotoluene	100 U	--	20 U	--	20 U	--	10 U	--
Hexachlorobenzene	100 U	--	20 U	--	20 U	--	10 U	--
Hexachlorobutadiene	100 U	--	20 U	--	20 U	--	10 U	--
Hexachlorocyclopentadiene	100 U	--	20 U	--	20 U	--	10 U	--
Hexachloroethane	100 U	--	20 U	--	20 U	--	10 U	--
Isophorone	100 U	--	20 U	--	20 U	--	10 U	--
N-Nitrosodi-n-propylamine	100 U	--	20 U	--	20 U	--	10 U	--
N-Nitrosodiphenylamine	100 U	--	20 U	--	20 U	--	10 U	--
2-Nitroaniline	250 U	--	50 U	--	50 U	--	25 U	--
3-Nitroaniline	250 U	--	50 U	--	50 U	--	25 U	--
4-Nitroaniline	250 U	--	50 U	--	50 U	--	25 U	--
Nitrobenzene	100 U	--	20 U	--	20 U	--	10 U	--
1,2,4-Trichlorobenzene	100 U	--	20 U	--	20 U	--	10 U	--

-- Not analyzed.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
(1) U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-5 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW6S			MW7S		MW8S		MW9S
	04/08/92(1) Sample	04/08/92(1) Duplicate	12/01/93	10/01/93	12/01/93	10/01/93	11/30/93	10/01/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	150 U	150 U	1.785 U	1.785 U	0.00534	1.785 U	0.0168	89.25 U
Benzo(b)fluoranthene	150 U	150 U	2.409 U	2.409 U	0.00682	2.409 U	0.0235	120.45 U
Benzo(k)fluoranthene	150 U	150 U	1.918 U	1.918 U	0.00554	1.918 U	0.0159	95.9 U
Benzo(a)pyrene	150 U	150 U	2.213 U	2.213 U	0.00664	2.213 U	0.0235	110.65 U
Carbazole	110 J	95 J	35	1.648 U	0.0289	1.648 U	0.00416	82.4 U
Chrysene	150 U	150 U	1.925 U	1.925 U	0.00700 c	1.925 U	0.0210 c	96.25 U
Dibenzo(ah)anthracene	150 U	150 U	1.943 U	1.943 U	0.00300 U	1.943 U	0.00321	97.15 U
Indeno(1,2,3,cd)pyrene	150 U	150 U	2.205 U	2.205 U	0.00527	2.205 U	0.0186 J	110.25 U
Sum of Carcinogens	110 a	95 a	35	ND	0.06551	ND	0.12667 a	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	150	150	75	1.487 U	0.00759	1.487 U	0.00300 U	74.35 U
Acenaphthylene	150 U	150 U	1.476 U	1.476 U	0.0202	1.476 U	0.00314	73.8 U
Anthracene	150 U	150 U	1.595 U	1.595 U	0.00369	1.595 U	0.00606	79.75 U
Benzo(ghi)perylene	150 U	150 U	1.992 U	1.992 U	0.00600	1.992 U	0.0197 J	99.6 U
Dibenzofuran	48 J	49 J	26	1.404 U	0.00436	1.404 U	0.00300 U	70.2 U
Fluoranthene	150 U	150 U	1.477 U	1.477 U	0.0121	1.477 U	0.0520	73.85 U
Fluorene	19 J	20 J	9 J	1.442 U	0.0117	1.442 U	0.00364	72.1 U
2-Methylnaphthalene	20 J	17 J	9 J	1.385 U	0.00706	1.385 U	0.00478	69.25 U
Naphthalene	1800	1100	300	1.356 U	0.0390	1.356 U	0.00941	2400
Phenanthrene	150 U	150 U	1.554 U	1.554 U	0.00782	1.554 U	0.0359	77.7 U
Pyrene	150 U	150 U	1.814 U	1.814 U	0.0104	1.814 U	0.0480	90.7 U
Sum of Non-Carcinogens	2037 a	1336 a	419 a	ND	0.12992	ND	0.18263 a	2400
Sum of Total PAH Compounds	2037 a	1431 a	454 a	ND	0.19543	ND	0.3093 a	2400
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	150 U	150 U	--	1.188 U	--	1.188 U	--	59.4 U
2-Chlorophenol	150 U	150 U	--	1.401 U	--	1.401 U	--	70.05 U
o-Cresol	67 J	72 J	110	1.705 U	1.705 U	1.705 U	1.705 U	85.25 U
p-Cresol	110 J	110 J	120	1.643 U	1.643 U	1.643 U	2 J	82.15 U
2,4-Dichlorophenol	150 U	150 U	--	1.298 U	--	1.298 U	--	64.9 U
2,4-Dimethylphenol	46 J	36 J	90	3.165 U	3.165 U	3.165 U	3.165 UJ	158.25 U
2,4-Dinitrophenol	380 U	380 U	--	4.061 UJ	--	4.061 UJ	--	203.05 UJ
2-Methyl-4,6-dinitrophenol	380 U	380 U	--	2.284 U	--	2.284 U	--	114.2 U
2-Nitrophenol	150 U	150 U	--	1.084 U	--	1.084 U	--	54.2 U
4-Nitrophenol	380 U	380 U	--	1.878 UJ	--	1.878 UJ	--	93.9 UJ
Pentachlorophenol	380 U	380 U	--	1.69 UJ	--	1.69 UJ	--	84.5 U
Phenol	340	340	280	1.296 U	22 J	1.296 U	6 J	64.8 U
2,4,5-Trichlorophenol	380 U	380 U	--	1.248 U	--	2.284 U	--	62.4 U
2,4,6-Trichlorophenol	150 U	150 U	--	1.171 U	--	1.171 U	--	58.55 U

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
c Coelutes with triphenylene. Concentration reported as chrysene.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
(1) U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-5 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW6S			MW7S		MW8S		MW9S
	04/08/92(1) Sample	04/08/92(1) Duplicate	12/01/93	10/01/93	12/01/93	10/01/93	11/30/93	10/01/93
OTHER SEMIVOLATILE ORGANIC COMPOUNDS								
Bis(2-chloroethoxy)methane	150 U	150 U	--	1.431 U	--	1.431 U	--	71.55 U
Bis(2-chloroethyl)ether	150 U	150 U	--	1.368 U	--	1.368 U	--	68.4 U
Bis(2-chloroisopropyl)ether	150 U	150 U	--	1.575 U	--	1.575 U	--	78.75 U
Bis(2-ethylhexyl)phthalate	150 U	150 U	--	6.179 U	--	6.179 U	--	308.95 U
4-Bromophenyl phenyl ether	150 U	150 U	--	1.057 U	--	1.057 U	--	52.85 U
Butyl benzyl phthalate	150 U	150 U	--	1.256 U	--	1.256 U	--	62.8 U
4-Chloroaniline	150 U	150 U	--	1.759 U	--	1.759 U	--	87.95 U
2-Chloronaphthalene	150 U	150 U	--	1.366 U	--	1.366 U	--	68.3 U
4-Chlorophenyl phenyl ether	150 U	150 U	--	1.313 U	--	1.313 U	--	65.65 U
Di-n-butyl phthalate	150 U	150 U	--	1.304 U	--	1.304 U	--	65.2 U
Di-n-octyl phthalate	150 U	150 U	--	2.101 U	--	2.101 U	--	105.05 U
1,2-Dichlorobenzene	150 U	150 U	--	1.751 U	--	1.751 U	--	87.55 U
1,3-Dichlorobenzene	150 U	150 U	--	1.794 U	--	1.794 U	--	89.7 U
1,4-Dichlorobenzene	150 U	150 U	--	1.748 U	--	1.748 U	--	87.4 U
3,3-Dichlorobenzidine	150 U	150 U	--	4.77 U	--	4.77 U	--	238.5 U
Diethyl phthalate	150 U	150 U	--	1.529 U	--	1.529 U	--	76.45 U
Dimethyl phthalate	150 U	150 U	--	1.33 U	--	1.33 U	--	66.5 U
2,4-Dinitrotoluene	150 U	150 U	--	1.14 U	--	1.14 U	--	57 U
2,6-Dinitrotoluene	150 U	150 U	--	1.095 U	--	1.095 U	--	54.75 U
Hexachlorobenzene	150 U	150 U	--	1.374 U	--	1.374 U	--	68.7 U
Hexachlorobutadiene	150 U	150 U	--	1.767 U	--	1.767 U	--	88.35 U
Hexachlorocyclopentadiene	150 U	150 U	--	1.341 U	--	1.341 U	--	67.05 U
Hexachloroethane	150 U	150 U	--	1.799 U	--	1.799 U	--	89.95 U
Isophorone	150 U	150 U	--	1.322 U	--	1.322 U	--	66.1 U
N-Nitrosodi-n-propylamine	150 U	150 U	--	1.209 U	--	1.209 U	--	60.45 U
N-Nitrosodiphenylamine	150 U	150 U	--	1.588 U	--	1.588 U	--	79.4 U
2-Nitroaniline	380 U	380 U	--	1.275 U	--	1.275 U	--	63.75 U
3-Nitroaniline	380 U	380 U	--	1.806 U	--	1.806 U	--	90.3 U
4-Nitroaniline	380 U	380 U	--	1.655 UJ	--	1.655 UJ	--	82.75 U
Nitrobenzene	150 U	150 U	--	1.241 U	--	1.241 U	--	62.05 U
1,2,4-Trichlorobenzene	150 U	150 U	--	1.376 U	--	1.376 U	--	68.8 U

-- Not analyzed.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
(1) U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-5 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW9S	MW10S			MW11S			MW12S
	12/02/93	10/01/93 Sample	10/01/93 Duplicate	12/01/93	10/01/93	11/30/93 Sample	11/30/93 Duplicate	09/30/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	1.785 U	1.785 U	1.785 U	1.200 U	1.785 U	1.000	1.750	1.785 U
Benzo(b)fluoranthene	2.409 U	2.409 U	2.409 U	1.200 U	2.409 U	0.764	1.490	2.409 U
Benzo(k)fluoranthene	1.918 U	1.918 U	1.918 U	1.200 U	1.918 U	1.010	1.670	1.918 U
Benzo(a)pyrene	2.213 U	2.213 U	2.213 U	1.200 U	2.213 U	1.090	1.620	2.213 U
Carbazole	1.648 U	1.648 U	1.648 U	1.200 U	1.648 U	0.133	0.210 U	1.648 U
Chrysene	1.925 U	1.925 U	1.925 U	2.400 U	2 J	1.300 c	2.240 c	1.925 U
Dibenzo(ah)anthracene	1.943 U	1.943 U	1.943 U	1.200 U	1.943 U	0.153	0.210 U	1.943 U
Indeno(1,2,3,cd)pyrene	2.205 U	2.205 U	2.205 U	1.200 U	2.205 U	0.641 J	0.729 J	2.205 UJ
Sum of Carcinogens	ND	ND	ND	ND	2 a	6.091 a	9.499 a	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	1.487 U	1.487 U	1.487 U	1.200 U	1.487 U	0.102 U	0.210 U	1.487 U
Acenaphthylene	1.476 U	1.476 U	1.476 U	1.200 U	1.476 U	0.278	0.409	1.476 U
Anthracene	1.595 U	1.595 U	1.595 U	1.200 U	1.595 U	0.207	0.319	1.595 U
Benzo(ghi)perylene	1.992 U	1.992 U	1.992 U	1.200 U	1.992 U	0.623 J	0.853 J	1.992 U
Dibenzofuran	1.404 U	1.404 U	1.404 U	1.200 U	1.404 U	0.102 U	0.210 U	1.404 U
Fluoranthene	1 J	1.477 U	1.477 U	1.200 U	3 J	1.850	3.100	1.477 U
Fluorene	1.442 U	1.442 U	1.442 U	1.200 U	1.442 U	0.102 U	0.210 U	1.442 U
2-Methylnaphthalene	1 J	1.385 U	1.385 U	1.200 U	1.385 U	0.102 U	0.210 U	1.385 U
Naphthalene	60	1.356 U	1.356 U	1.600 U	1.356 U	0.266	0.280 U	1.356 U
Phenanthrene	1.554 U	1.554 U	1.554 U	1.200 U	2 J	1.330	2.500	1.554 U
Pyrene	1.814 U	1.814 U	1.814 U	1.200 U	3 J	1.480	2.490	1.814 U
Sum of Non-Carcinogens	62 a	ND	ND	ND	8 a	6.034 a	7.43 a	ND
Sum of Total PAH Compounds	62 a	ND	ND	ND	10 a	12.125 a	16.929 a	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	1.188 U	1.188 U	--	1.188 U	--	--	1.188 U
2-Chlorophenol	--	1.401 U	1.401 U	--	1.401 U	--	--	1.401 U
o-Cresol	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U
p-Cresol	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U
2,4-Dichlorophenol	--	1.298 U	1.298 U	--	1.298 U	--		1.298 U
2,4-Dimethylphenol	3.165 U	3.165 U	3.165 U	3.165 U	3.165 U	3.165 UJ	3.165 UJ	3.165 U
2,4-Dinitrophenol	--	4.061 UJ	4.061 UJ	--	4.061 UJ	--	--	4.061 U
2-Methyl-4,6-dinitrophenol	--	2.284 U	2.284 U	--	2.284 U	--	--	2.284 U
2-Nitrophenol	--	1.084 U	1.084 U	--	1.084 U	--	--	1.084 U
4-Nitrophenol	--	1.878 UJ	1.878 UJ	--	1.878 UJ	--	--	1.878 UJ
Pentachlorophenol	--	1.69 UJ	1.69 UJ	--	1.69 UJ	--	--	1.69 U
Phenol	1.296 U	2 J	2 J	1.296 U	1.296 U	1.296 U	1.296 U	1.296 U
2,4,5-Trichlorophenol	--	1.248 U	1.248 U	--	1.248 U	--	--	1.248 U
2,4,6-Trichlorophenol	--	1.171 U	1.171 U	--	1.171 U	--	--	1.171 U

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
c Coelutes with triphenylene. Concentration reported as chrysene.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

.013
05/26/94

TABLE 4.3-5 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW9S	MW10S			MW11S			MW12S
	12/02/93	10/01/93 Sample	10/01/93 Duplicate	12/01/93	10/01/93	11/30/93 Sample	11/30/93 Duplicate	09/30/93
OTHER SEMIVOLATILE ORGANIC COMPOUNDS								
Bis(2-chloroethoxy)methane	--	1.431 U	1.431 U	--	1.431 U	--	--	1.431 U
Bis(2-chloroethyl)ether	--	1.368 U	1.368 U	--	1.368 U	--	--	1.368 U
Bis(2-chloroisopropyl)ether	--	1.575 U	1.575 U	--	1.575 U	--	--	1.575 U
Bis(2-ethylhexyl)phthalate	--	12	17	--	6.179 U	--	--	6.179 U
4-Bromophenyl phenyl ether	--	1.057 U	1.057 U	--	1.057 U	--	--	1.057 U
Butyl benzyl phthalate	--	1.256 U	1.256 U	--	1.256 U	--	--	1.256 U
4-Chloroaniline	--	1.759 U	1.759 U	--	1.759 U	--	--	1.759 U
2-Chloronaphthalene	--	1.366 U	1.366 U	--	1.366 U	--	--	1.366 U
4-Chlorophenyl phenyl ether	--	1.313 U	1.313 U	--	1.313 U	--	--	1.313 U
Di-n-butyl phthalate	--	1.304 U	1.304 U	--	1.304 U	--	--	1.304 U
Di-n-octyl phthalate	--	2 J	2.101 U	--	2.101 U	--	--	2.101 U
1,2-Dichlorobenzene	--	1.751 U	1.751 U	--	1.751 U	--	--	1.751 U
1,3-Dichlorobenzene	--	1.794 U	1.794 U	--	1.794 U	--	--	1.794 U
1,4-Dichlorobenzene	--	1.748 U	1.748 U	--	1.748 U	--	--	1.748 U
3,3-Dichlorobenzidine	--	4.77 U	4.77 U	--	4.77 U	--	--	4.77 U
Diethyl phthalate	--	1.529 U	1.529 U	--	1.529 U	--	--	1.529 U
Dimethyl phthalate	--	1.33 U	1.33 U	--	1.33 U	--	--	1.33 U
2,4-Dinitrotoluene	--	1.14 U	1.14 U	--	1.14 U	--	--	1.14 U
2,6-Dinitrotoluene	--	1.095 U	1.095 U	--	1.095 U	--	--	1.095 U
Hexachlorobenzene	--	1.374 U	1.374 U	--	1.374 U	--	--	1.374 U
Hexachlorobutadiene	--	1.767 U	1.767 U	--	1.767 U	--	--	1.767 U
Hexachlorocyclopentadiene	--	1.341 U	1.341 U	--	1.341 U	--	--	1.341 U
Hexachloroethane	--	1.799 U	1.799 U	--	1.799 U	--	--	1.799 U
Isophorone	--	1.322 U	1.322 U	--	1.322 U	--	--	1.322 U
N-Nitrosodi-n-propylamine	--	1.209 U	1.209 U	--	1.209 U	--	--	1.209 U
N-Nitrosodiphenylamine	--	1.588 U	1.588 U	--	1.588 U	--	--	1.588 U
2-Nitroaniline	--	1.275 U	1.275 U	--	1.275 U	--	--	1.275 U
3-Nitroaniline	--	1.806 U	1.806 U	--	1.806 U	--	--	1.806 U
4-Nitroaniline	--	1.655 UJ	1.655 UJ	--	1.655 UJ	--	--	1.655 UJ
Nitrobenzene	--	1.241 U	1.241 U	--	1.241 U	--	--	1.241 U
1,2,4-Trichlorobenzene	--	1.376 U	1.376 U	--	1.376 U	--	--	1.376 U

-- Not analyzed.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
.013
05/26/94

TABLE 4.3-5 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW12S	MW13S		MW14S		MW15S	
	11/30/93	09/30/93	11/30/93	09/30/93	11/30/93	09/30/93	11/30/93
CARCINOGENIC COMPOUNDS							
Benzo(a)anthracene	0.00300 U	1.785 U	0.00300 U	1.785 U	0.00300 U	1.785 U	0.00641
Benzo(b)fluoranthene	0.00300 U	2.409 U	0.00300 U	2.409 U	0.00300 U	2.409 U	0.00770
Benzo(k)fluoranthene	0.00300 U	1.918 U	0.00300 U	1.918 U	0.00300 U	1.918 U	0.00600 U
Benzo(a)pyrene	0.00300 U	2.213 U	0.00300 U	2.213 U	0.00300 U	2.213 U	0.00782
Carbazole	0.00300 U	1.648 U	0.00300 U	1.648 U	0.00300 U	1.648 U	0.00600 U
Chrysene	0.00600 U	1.925 U	0.00600 U	1.925 U	0.00600 U	1.925 U	1.200 U
Dibenzo(ah)anthracene	0.00300 U	1.943 U	0.00300 U	1.943 U	0.00300 U	1.943 U	0.00600 U
Indeno(1,2,3,cd)pyrene	0.00300 UJ	2.205 UJ	0.00300 UJ	2.205 UJ	0.00300 UJ	2.205 UJ	0.00629 J
Sum of Carcinogens	ND	ND	ND	ND	ND	ND	0.02822 a
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS							
Acenaphthene	0.00420	1.487 U	0.00300 U	1.487 U	0.00300 U	1.487 U	0.00600 U
Acenaphthylene	0.00300 U	1.476 U	0.00300 U	1.476 U	0.00300 U	1.476 U	0.00600 U
Anthracene	0.00300 U	1.595 U	0.00300 U	1.595 U	0.00300 U	1.595 U	0.00600 U
Benzo(ghi)perylene	0.00300 UJ	1.992 U	0.00300 UJ	1.992 U	0.00300 UJ	1.992 U	0.00753 J
Dibenzofuran	0.00300 U	1.404 U	0.00300 U	1.404 U	0.00300 U	1.404 U	0.0126
Fluoranthene	0.00553	1.477 U	0.00300 U	1.477 U	0.00409	1.477 U	0.0186
Fluorene	0.00300 U	1.442 U	0.00300 U	1.442 U	0.00300 U	1.442 U	0.0153
2-Methylnaphthalene	0.00964	1.385 U	0.00308	1.385 U	0.00447	1.385 U	0.0372
Naphthalene	0.00606	1.356 U	0.00416	1.356 U	0.00659	1.356 U	0.0147
Phenanthrene	0.00670	1.554 U	0.00388	1.554 U	0.00497	1.554 U	0.0272
Pyrene	0.00505	1.814 U	0.00300 U	1.814 U	0.00345	1.814 U	0.0177
Sum of Non-Carcinogens	0.03718	ND	0.01112	ND	0.02357	ND	0.15083 a
Sum of Total PAH Compounds	0.03718	ND	0.01112	ND	0.02357	ND	0.17905 a
PHENOLIC COMPOUNDS							
4-Chloro-3-methylphenol	--	1.188 U	--	1.188 U	--	1.188 U	--
2-Chlorophenol	--	1.401 U	--	1.401 U	--	1.401 U	--
o-Cresol	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U
p-Cresol	1.643 U	1.643 U	1 J	1.643 U	1.643 U	1.643 U	1.643 U
2,4-Dichlorophenol	--	1.298 U	--	1.298 U	--	1.298 U	--
2,4-Dimethylphenol	3.165 UJ	3.165 U	3.165 UJ	3.165 U	3.165 UJ	3.165 U	3.165 UJ
2,4-Dinitrophenol	--	4.061 U	--	4.061 U	--	4.061 U	--
2-Methyl-4,6-dinitrophenol	--	2.284 U	--	2.284 U	--	2.284 U	--
2-Nitrophenol	--	1.084 U	--	1.084 U	--	1.084 U	--
4-Nitrophenol	--	1.878 UJ	--	1.878 UJ	--	1.878 UJ	--
Pentachlorophenol	--	1.69 U	--	1.69 U	--	1.69 U	--
Phenol	1.296 U	1.296 U	6 J	1.296 U	4 J	1.296 U	1.296 U
2,4,5-Trichlorophenol	--	1.248 U	--	1.248 U	--	1.248 U	--
2,4,6-Trichlorophenol	--	1.171 U	--	1.171 U	--	1.171 U	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
.013
05/26/94

TABLE 4.3-5 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW12S	MW13S		MW14S		MW15S	
	11/30/93	09/30/93	11/30/93	09/30/93	11/30/93	09/30/93	11/30/93
OTHER SEMIVOLATILE ORGANIC COMPOUNDS							
Bis(2-chloroethoxy)methane	--	1.431 U	--	1.431 U	--	1.431 U	--
Bis(2-chloroethyl)ether	--	1.368 U	--	1.368 U	--	1.368 U	--
Bis(2-chloroisopropyl)ether	--	1.575 U	--	1.575 U	--	1.575 U	--
Bis(2-ethylhexyl)phthalate	--	6.179 U	--	6.179 U	--	6.179 U	--
4-Bromophenyl phenyl ether	--	1.057 U	--	1.057 U	--	1.057 U	--
Butyl benzyl phthalate	--	1.256 U	--	1.256 U	--	1.256 U	--
4-Chloroaniline	--	1.759 U	--	1.759 U	--	1.759 U	--
2-Chloronaphthalene	--	1.366 U	--	1.366 U	--	1.366 U	--
4-Chlorophenyl phenyl ether	--	1.313 U	--	1.313 U	--	1.313 U	--
Di-n-butyl phthalate	--	1.304 U	--	1.304 U	--	1.304 U	--
Di-n-octyl phthalate	--	2.101 U	--	2.101 U	--	2.101 U	--
1,2-Dichlorobenzene	--	1.751 U	--	1.751 U	--	1.751 U	--
1,3-Dichlorobenzene	--	1.794 U	--	1.794 U	--	1.794 U	--
1,4-Dichlorobenzene	--	1.748 U	--	1.748 U	--	1.748 U	--
3,3-Dichlorobenzidine	--	4.77 U	--	4.77 U	--	4.77 U	--
Diethyl phthalate	--	1.529 U	--	1.529 U	--	1.529 U	--
Dimethyl phthalate	--	1.33 U	--	1.33 U	--	1.33 U	--
2,4-Dinitrotoluene	--	1.14 U	--	1.14 U	--	1.14 U	--
2,6-Dinitrotoluene	--	1.095 U	--	1.095 U	--	1.095 U	--
Hexachlorobenzene	--	1.374 U	--	1.374 U	--	1.374 U	--
Hexachlorobutadiene	--	1.767 U	--	1.767 U	--	1.767 U	--
Hexachlorocyclopentadiene	--	1.341 U	--	1.341 U	--	1.341 U	--
Hexachloroethane	--	1.799 U	--	1.799 U	--	1.799 U	--
Isophorone	--	1.322 U	--	1.322 U	--	1.322 U	--
N-Nitrosodi-n-propylamine	--	1.209 U	--	1.209 U	--	1.209 U	--
N-Nitrosodiphenylamine	--	1.588 U	--	1.588 U	--	1.588 U	--
2-Nitroaniline	--	1.275 U	--	1.275 U	--	1.275 U	--
3-Nitroaniline	--	1.806 U	--	1.806 U	--	1.806 U	--
4-Nitroaniline	--	1.655 UJ	--	1.655 UJ	--	1.655 UJ	--
Nitrobenzene	--	1.241 U	--	1.241 U	--	1.241 U	--
1,2,4-Trichlorobenzene	--	1.376 U	--	1.376 U	--	1.376 U	--

-- Not analyzed.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
.013
05/26/94

TABLE 4.3-6

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/L)

	MW1S	MW3S	MW4S	MW5S	MW6S		MW7S	MW8S
	04/09/92	04/07/92	04/07/92	04/08/92	04/08/92 Sample	04/08/92 Duplicate	10/01/93	10/01/93
PESTICIDES								
Aldrin	0.10 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.050 U
a-BHC	0.10 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.050 U
b-BHC	0.10 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.050 U
d-BHC	0.10 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.050 U
g-BHC (Lindane)	0.10 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.050 U
Alpha Chlordane	0.10 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.050 U
Gamma Chlordane	0.10 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.050 U
4,4'-DDD	0.20 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 U
4,4'-DDE	0.20 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 U
4,4'-DDT	0.20 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 U
Dieldrin	0.20 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 U
Endosulfan I	0.10 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.050 U
Endosulfan II	0.20 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 U
Endosulfan Sulfate	0.20 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 U
Endrin	0.20 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 U
Endrin Aldehyde	0.20 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 U
Endrin Ketone	0.20 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 U
Heptachlor	0.10 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.050 U
Heptachlor Epoxide	0.10 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.050 U
Methyloxyclor	1.0 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U
Toxaphene	10 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U
PCBs								
PCB-1016	2.0 U	1.0 U	1.0 UJ	1.0 UJ	2.0 UJ	2.0 UJ	1.0 U	1.0 U
PCB-1221	4.0 U	2.0 U	2.0 UJ	2.0 UJ	4.0 UJ	4.0 UJ	2.0 U	2.0 U
PCB-1232	2.0 U	1.0 U	1.0 UJ	1.0 UJ	2.0 UJ	2.0 UJ	1.0 U	1.0 U
PCB-1242	2.0 U	1.0 U	1.0 UJ	1.0 UJ	2.0 UJ	2.0 UJ	1.0 U	1.0 U
PCB-1248	2.0 U	1.0 U	1.0 UJ	1.0 UJ	2.0 UJ	2.0 UJ	1.0 U	1.0 U
PCB-1254	2.0 U	1.0 U	1.0 UJ	1.0 UJ	2.0 UJ	2.0 UJ	1.0 U	1.0 U
PCB-1260	2.0 U	1.0 U	1.0 UJ	1.0 UJ	2.0 UJ	2.0 UJ	1.0 U	1.0 U

J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
.013
05/26/94

TABLE 4.3-6 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/L)

	MW9S	MW10S		MW11S	MW12S	MW13S	MW14S	MW15S
	10/01/93	10/01/93 Sample	10/01/93 Duplicate	10/01/93	09/30/93	09/30/93	09/30/93	09/30/93
PESTICIDES								
Aldrin	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
a-BHC	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
b-BHC	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
d-BHC	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
g-BHC (Lindane)	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Alpha Chlordane	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Gamma Chlordane	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
4,4'-DDD	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Dieldrin	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan I	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan Sulfate	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Aldehyde	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlor	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor Epoxide	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Methyloxyclor	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
PCBs								
PCB-1016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
PCB-1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
PCB-1232	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
PCB-1242	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
PCB-1248	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1
PCB-1254	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
PCB-1260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

U Not detected.
..013
05/26/94

TABLE 4.3-7

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	MW1D			MW3D		MW4D		
	04/09/92	12/01/93 Sample	12/01/93 Duplicate	04/07/92	12/01/93	04/07/92 Sample	04/07/92 Duplicate	12/01/93
Arsenic, total	4020	5750	5520	7110	17700	22400	27100	69800
Arsenic III	--	2970 J	3260 J	--	10100 J	--	--	7280 J
Arsenic V	--	31.6	12	--	32	--	--	4460
Cyanide, total	448	195 J	161 J	200	113 J	706	662	306 J
Amenable Cyanide	--	<50.0	<25.0	--	<50.0	--	--	<250
Thiocyanate	--	332000	315000	--	392000	--	--	500000
Cyanide, WAD	--	24.8	35.6	--	40.0	--	--	39.2
Aluminum	79.7 U	--	--	58.9 U	--	135 U	128 U	--
Antimony	13.3 U	--	--	10.9 U	--	10.9 U	10.9 U	--
Barium	82.2 B	--	--	200 B	--	402	448	--
Beryllium	0.68 U	--	--	0.46 U	--	0.19 U	0.19 U	--
Cadmium	6.2	63.8 U	63.8 U	12.4	63.8 U	50.7	50.3	319 U
Calcium	9750	--	--	17100	--	37200	39300	--
Chromium, total	39.6	--	--	13.5	--	15.4	17.1	--
Cobalt	3.7 B	--	--	8.0 B	--	15.2 B	16.6 B	--
Copper	69.9	--	--	47.4	--	43.8	91.0	--
Iron	418	--	--	495	--	807	975	--
Lead	15.7	1.8 B	1.6 U	3.8 J	1.6 U	4.1 J	2.2 BJ	1.6 U
Magnesium	5470	--	--	13200	--	20000	22400	--
Manganese	52.0	--	--	203	--	326	387	--
Mercury	0.16 U	0.13 U	0.13 U	0.0010 U	0.13 U	0.0010 U	0.0010 U	0.13 U
Nickel	41.1	--	--	20.3 U	--	46.7	82.2	--
Potassium	4490 B	--	--	13100	--	30000	34900	--
Selenium	46.0 J	61.4	57.6	7.2 BJ	14.0	6.0 UJ	6.8 BJ	44.1
Silver	1.7 U	--	--	1.7 U	--	1.7 U	1.7 U	--
Sodium	15600	--	--	55400	--	170000	181000	--
Thallium	1.7 U	--	--	1.7 UJ	--	1.7 UJ	1.7 UJ	--
Vanadium	297	--	--	103	--	33.1 B	37.0 B	--
Zinc	61.2	--	--	59.4 UJ	--	72.0 UJ	84.2 UJ	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

.013
05/26/94

TABLE 4.3-7 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	MW5D		MW6D		MW7D		
	04/08/92	12/01/93	04/08/92	12/01/93	10/01/93 Sample	10/01/93 Duplicate	12/01/93
Arsenic, total	9220	11200	14600	18600	10500 J	11200 J	13500
Arsenic III	--	10 UJ	--	10800 J	--	--	25.6 J
Arsenic V	--	10 U	--	1100	--	--	944
Cyanide, total	526	131 J	632	406 J	311	164	453 J
Amenable Cyanide	--	<25.0	--	<50.0	--	--	<250
Thiocyanate	--	261000	--	315000	--	--	926000
Cyanide, WAD	--	30.1	--	62.0	--	--	41.1
Aluminum	34.8 U	--	76.3 U	--	66.0 B	176 B	--
Antimony	10.9 U	--	10.9 U	--	19.9 B	26.9 B	--
Barium	185 BJ	--	515 J	--	82.1 B	85.3 B	--
Beryllium	0.19 U	--	0.37 U	--	0.54 B	0.70 B	--
Cadmium	12.7	63.8 U	20.7	63.8 U	8.7	9.4	63.8 U
Calcium	21700	--	27800	--	16800	18900	--
Chromium, total	7.3 B	--	30.8	--	47.6	51.9	--
Cobalt	4.0 B	--	12.7 B	--	4.0 B	3.8 B	--
Copper	16.8 U	--	30.6	--	11.2 B	11.4 B	--
Iron	370 J	--	1200 J	--	739	1100	--
Lead	1.3 BJ	1.6 U	4.2 J	1.6 U	1.6 U	1.6 U	5.5
Magnesium	18900	--	17500	--	5310	5960	--
Manganese	319	--	646	--	83.2 J	94.1 J	--
Mercury	0.0010 U	0.13 U	0.0010 U	0.14 B	0.08 UJ	0.44 J	0.13 U
Nickel	12.0 U	--	34.1 U	--	38.7 B	24.0 B	--
Potassium	8960	--	17800	--	10000	11200	--
Selenium	2.4 BJ	1.5 U	12.0 BJ	97.4	62.4	36.4	80.0
Silver	1.7 U	--	1.7 U	--	1.6 U	1.6 U	--
Sodium	332000 J	--	101000 J	--	31700 J	35600 J	--
Thallium	1.7 UJ	--	1.7 UJ	--	13.9 U	13.9 U	--
Vanadium	30.6 B	--	121	--	294	333	--
Zinc	29.0 U	--	58.2 U	--	69.0	37.3	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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05/26/94

TABLE 4.3-7 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	MW8D		MW9D		MW10D		MW11D	
	10/01/93	11/30/93	09/30/93	12/02/93	10/01/93	12/01/93	10/01/93	11/30/93
Arsenic, total	599 J	3720	14900 J	22800	2670 J	3110	4.1 BJ	7.7 B
Arsenic III	--	2680 J	--	41.2	--	2000 J	--	10 UJ
Arsenic V	--	315	--	30.6	--	12.0	--	10 U
Cyanide, total	630	491 J	204	117 J	213	611 J	202	257 J
Amenable Cyanide	--	<25.0	--	<25.0	--	<50.0	--	<25.0
Thiocyanate	--	151000	--	278000	--	540000	--	3290
Cyanide, WAD	--	134	--	<25.0	--	<25.0	--	75.0
Aluminum	13.6 U	--	75.0 B	--	83.0 B	--	25.0 B	--
Antimony	13.0 B	--	33.2 B	--	17.0 B	--	14.8 B	--
Barium	90.3 B	--	54.1 B	--	90.0 B	--	268	--
Beryllium	0.15 U	--	0.41 B	--	0.15 U	--	0.15 U	--
Cadmium	4.6 B	3.2 U	14.3	63.8 U	2.9 U	3.2 U	4.1 B	3.2 U
Calcium	50500	--	302000	--	73600	--	209000	--
Chromium, total	5.3 B	--	8.7 B	--	5.3 B	--	2.3 U	--
Cobalt	2.4 B	--	6.2 B	--	3.8 B	--	4.2 B	--
Copper	13.1 B	--	36.5	--	7.1 B	--	6.3 B	--
Iron	298	--	45900	--	755	--	2750	--
Lead	2.5 B	1.6 UJ	3.6	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ
Magnesium	33700	--	212000	--	59100	--	82800	--
Manganese	35.8 J	--	2060 J	--	139 J	--	863 J	--
Mercury	0.04 UJ	0.13 U	0.10 UJ	0.13 U	0.24 J	0.13 U	0.11 UJ	0.13 U
Nickel	8.7 U	--	18.6 B	--	8.7 U	--	8.9 B	--
Potassium	27700	--	9860	--	17500	--	14100	--
Selenium	1.5 U	8.0 J	58.1	49.8	4.2 B	13.8	1.5 U	1.5 UJ
Silver	1.6 U	--	1.6 U	--	1.6 U	--	1.6 U	--
Sodium	287000 J	--	22400 J	--	344000 J	--	147000 J	--
Thallium	1.4 U	--	1.4 U	--	13.9 U	--	1.4 U	--
Vanadium	9.4 B	--	43.3 B	--	30.8 B	--	1.9 U	--
Zinc	16.5 B	--	227	--	19.1 B	--	202	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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TABLE 4.3-7 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	MW12D		MW13D			MW14D	
	09/30/93	11/30/93	09/30/93	11/30/93 Sample	11/30/93 Duplicate	09/30/93	11/30/93
Arsenic, total	2620 J	2020	27200 J	27800	12600	766 J	634
Arsenic III	--	324 J	--	8680 J	9060 J	--	416 J
Arsenic V	--	1360	--	105	310	--	129
Cyanide, total	403	432 J	403	212 J	182 J	37.6	2.8 BJ
Amenable Cyanide	--	<25.0	--	<50.0	<50.0	--	--
Thiocyanate	--	388000	--	725000	688000	--	--
Cyanide, WAD	--	255	--	195	114	--	--
Aluminum	20.1 B	--	52.5 B	--	--	29.7 B	--
Antimony	11.7 U	--	11.7 U	--	--	11.7 U	--
Barium	162 B	--	190 B	--	--	60.8 B	--
Beryllium	0.15 U	--	0.66 B	--	--	0.18 B	--
Cadmium	2.9 U	3.2 U	22.7	63.8 U	63.8 U	2.9 U	3.2 U
Calcium	145000	--	8660	--	--	46100	--
Chromium, total	2.3 U	--	18.6	--	--	2.9 B	--
Cobalt	2.5 B	--	7.3 B	--	--	2.9 B	--
Copper	1.4 U	--	8.8 B	--	--	4.2 B	--
Iron	5450	--	656	--	--	215	--
Lead	1.6 U	1.7 BJ	4.1	1.6 BJ	1.6 UJ	1.6 U	1.6 UJ
Magnesium	57000	--	5940	--	--	14800	--
Manganese	241 J	--	117 J	--	--	60.8 J	--
Mercury	0.08 UJ	0.13 U	0.05 UJ	0.28	0.13 U	0.08 U	0.13 U
Nickel	8.7 U	--	33.7 B	--	--	8.7 U	--
Potassium	5960	--	10200	--	--	4320 B	--
Selenium	1.5 U	1.5 UJ	63.8	56.1 J	55.6 J	1.5 U	1.5 UJ
Silver	1.6 U	--	1.6 U	--	--	1.6 U	--
Sodium	136000 J	--	81300 J	--	--	13500 J	--
Thallium	1.4 U	--	1.4 U	--	--	1.4 U	--
Vanadium	2.1 B	--	152	--	--	2.8 B	--
Zinc	7.7 B	--	24.8	--	--	10.7 B	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

.013
05/26/94

TABLE 4.3-7 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	MW15D	
	09/30/93	11/30/93
Arsenic, total	61.2 J	43.8
Arsenic III	--	35.2 J
Arsenic V	--	10 U
Cyanide, total	90.2	82.9 J
Amenable Cyanide	--	<50.0
Thiocyanate	--	232
Cyanide, WAD	--	25.4
Aluminum	13.6 U	--
Antimony	11.7 U	--
Barium	369	--
Beryllium	0.15 U	--
Cadmium	2.9 U	3.2 U
Calcium	229000	--
Chromium, total	2.3 U	--
Cobalt	5.9 B	--
Copper	1.4 U	--
Iron	7470	--
Lead	1.6 U	2.8 BJ
Magnesium	154000	--
Manganese	1200 J	--
Mercury	0.10 UJ	0.13 U
Nickel	8.7 U	--
Potassium	14000	--
Selenium	1.5 U	1.5 UJ
Silver	1.6 U	--
Sodium	65100 J	--
Thallium	1.4 U	--
Vanadium	1.9 U	--
Zinc	15.1 B	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

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05/26/94

TABLE 4.3-7 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	PW1	
	11/05/93	12/02/93
Arsenic, total	21400	4120
Arsenic III	12000	--
Arsenic V	88.6	--
Cyanide, total	108	275 J
Amenable Cyanide	<25.0	--
Thiocyanate	178000	--
Cyanide, WAD	85.1	--
Aluminum	--	13.8 B
Antimony	--	10.4 U
Barium	--	29.0 B
Beryllium	--	0.12 U
Cadmium	3.2 UJ	3.2 U
Calcium	--	218000
Chromium, total	--	5.7 B
Cobalt	--	2.1 U
Copper	--	7.1 B
Iron	316 J	312
Lead	3.3	1.6 U
Magnesium	--	35900
Manganese	--	138
Mercury	0.04 U	0.13 U
Nickel	--	9.3 B
Potassium	--	5090
Selenium	18.9 R	7.6
Silver	--	2.2 U
Sodium	--	23000
Thallium	--	1.4 U
Vanadium	--	35.7 B
Zinc	--	69.9

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
R Unusable.
U Not detected.

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TABLE 4.3-8

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW1D			MW3D		MW4D		
	04/09/92	12/01/93 Sample	12/01/93 Duplicate	04/07/92	12/01/93	04/07/92 Sample	04/07/92 Duplicate	12/01/93
BETX COMPOUNDS								
Benzene	700	820	800	1100	1200	460	420	570
Ethyl Benzene	10 J	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Toluene	270	330	330	62 U	32 J	40 U	40 U	100 U
Xylenes	81	78	78	38 J	100 U	40 U	40 U	100 U
Sum of BETX	1061 a	1228	1208	1138 a	1232 a	460	420	570
CHLORINATED COMPOUNDS								
Bromodichloromethane	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Carbon Tetrachloride	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Chloroethane	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Chloroform	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Chloromethane	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Chlorobenzene	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Chlorodibromomethane	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
1,1-Dichloroethane	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
1,2-Dichloroethane	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
1,1-Dichloroethylene	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
1,2-Dichloroethylene	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
1,2-Dichloropropane	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Cis-1,3-Dichloro-1-propene	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Trans-1,3-Dichloro-1-propene	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Methylene Chloride	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Styrene	16 J	17 J	16 J	62 U	100 U	40 U	40 U	100 U
1,1,2,2-Tetrachloroethane	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Tetrachloroethylene	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
1,1,1-Trichloroethane	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
1,1,2-Trichloroethane	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Trichloroethylene	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Vinyl Chloride	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
OTHER COMPOUNDS								
Acetone	360 J	430	410	840	730	860	820	1200
Bromoform	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Bromomethane	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Carbondisulfide	7 J	50 U	50 U	62 U	100 U	6 J	6 J	100 U
2-Hexanone	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U
Methyl Ethyl Ketone	50 B	47 J	50	120	91 J	140	140	160
Methyl Isobutyl Ketone	40 U	50 U	50 U	62 U	100 U	40 U	40 U	100 U

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a Calculated using some or all values that are estimates.

J Associated value is qualified as an estimate. The value is considered acceptable and usable.

U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-8 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW5D		MW6D		MW7D			MW8D
	04/08/92	12/01/93	04/08/92	12/01/93	10/01/93 Sample	10/01/93 Duplicate	12/01/93	10/01/93
BETX COMPOUNDS								
Benzene	560	200	1500	1700	990	940	1200	920 J
Ethyl Benzene	40 U	10 U	120	110 J	100 U	100 U	100 U	10 U
Toluene	40 U	10 U	400	470	280	280	320	57
Xylenes	40 U	10 U	180	200 U	160	160	140	10 U
Sum of BETX	560	200	2200	2280 a	1430	1380	1660	977 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Carbon Tetrachloride	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Chloroethane	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Chloroform	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Chloromethane	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Chlorobenzene	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Chlorodibromomethane	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
1,1-Dichloroethane	14 J	10 U	100 U	200 U	100 U	100 U	100 U	10 U
1,2-Dichloroethane	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
1,1-Dichloroethylene	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
1,2-Dichloroethylene	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
1,2-Dichloropropane	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Cis-1,3-Dichloro-1-propene	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Trans-1,3-Dichloro-1-propene	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Methylene Chloride	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Styrene	40 U	10 U	100 U	200 U	31 J	30 J	30 J	10 U
1,1,2,2-Tetrachloroethane	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Tetrachloroethylene	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
1,1,1-Trichloroethane	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
1,1,2-Trichloroethane	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Trichloroethylene	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Vinyl Chloride	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
OTHER COMPOUNDS								
Acetone	40 U	10 U	760	800	790 J	870 J	1100	110
Bromoform	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Bromomethane	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Carbondisulfide	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
2-Hexanone	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U
Methyl Ethyl Ketone	40 U	10 U	130	200 U	150	140	140	21
Methyl Isobutyl Ketone	40 U	10 U	100 U	200 U	100 U	100 U	100 U	10 U

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a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-8 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW8D	MW9D		MW10D		MW11D		MW12D
	11/30/93	09/30/93	12/02/93	10/01/93	12/01/93	10/01/93	11/30/93	09/30/93
BETX COMPOUNDS								
Benzene	7800	760 J	1100	2900	4400	10 U	10 U	10 U
Ethyl Benzene	1000 U	5 J	100 U	62 J	500 U	10 U	10 U	10 U
Toluene	470 J	340 J	430	270	400 J	10 U	10 U	10 U
Xylenes	1000 U	130	170	36 J	500 U	10 U	10 U	10 U
Sum of BETX	8270 a	1235 a	1700	3268 a	4800 a	ND	ND	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Carbon Tetrachloride	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Chloroethane	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Chloroform	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Chloromethane	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Chlorobenzene	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Chlorodibromomethane	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
1,1-Dichloroethane	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
1,2-Dichloroethane	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
1,1-Dichloroethylene	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
1,2-Dichloroethylene	1000 U	10 U	100 U	100 U	500 U	6 J	2 J	10 U
1,2-Dichloropropane	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Cis-1,3-Dichloro-1-propene	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Trans-1,3-Dichloro-1-propene	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Methylene Chloride	1000 U	10 U	100 U	14 J	500 U	2 J	10 U	10 U
Styrene	1000 U	8 J	100 U	100 U	500 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Tetrachloroethylene	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
1,1,1-Trichloroethane	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
1,1,2-Trichloroethane	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Trichloroethylene	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Vinyl Chloride	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
OTHER COMPOUNDS								
Acetone	1000 U	310 J	330	440 J	760	10 U	10 U	10 UJ
Bromoform	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Bromomethane	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Carbondisulfide	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
2-Hexanone	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U
Methyl Ethyl Ketone	1000 U	35	100 U	100 U	500 U	10 U	10 U	10 U
Methyl Isobutyl Ketone	1000 U	10 U	100 U	100 U	500 U	10 U	10 U	10 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-8 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW12D	MW13D			MW14D		MW15D	
	11/30/93	09/30/93	11/30/93 Sample	11/30/93 Duplicate	09/30/93	11/30/93	09/30/93	11/30/93
BETX COMPOUNDS								
Benzene	10 U	850 J	1200	1100	67	61	10 U	10 U
Ethyl Benzene	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Toluene	10 U	34	43	43 J	10 U	10 U	10 U	10 U
Xylenes	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Sum of BETX	ND	884 a	1243	1143 a	67	61	ND	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Chloromethane	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Chlorodibromomethane	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	100 U	5 J	6 J	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,1-Dichloroethylene	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,2-Dichloroethylene	10 U	10 U	10 U	100 U	27	50	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Cis-1,3-Dichloro-1-propene	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Trans-1,3-Dichloro-1-propene	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	100 U	9 J	10 U	8 J	10 U
Styrene	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Tetrachloroethylene	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Trichloroethylene	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	100 U	120	160	10 U	10 U
OTHER COMPOUNDS								
Acetone	10 U	810 J	1200 J	1300 J	28 J	10 U	10 UJ	10 U
Bromoform	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Carbondisulfide	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	5 J	100 U	10 U	10 U	10 U	10 U
Methyl Ethyl Ketone	10 U	150	160 J	180 J	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
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TABLE 4.3-8 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	PW1	
	11/05/93	12/02/93
BETX COMPOUNDS		
Benzene	560	94
Ethyl Benzene	73	21
Toluene	490	130
Xylenes	540	160
Sum of BETX	1663	405
CHLORINATED COMPOUNDS		
Bromodichloromethane	50 U	10 U
Carbon Tetrachloride	50 U	10 U
Chloroethane	50 UJ	10 U
Chloroform	50 U	10 U
Chloromethane	50 U	10 U
Chlorobenzene	50 U	10 U
Chlorodibromomethane	50 U	10 U
1,1-Dichloroethane	50 U	10 U
1,2-Dichloroethane	50 U	10 U
1,1-Dichloroethylene	50 U	10 U
1,2-Dichloroethylene	50 U	10 U
1,2-Dichloropropane	50 U	10 U
Cis-1,3-Dichloro-1-propene	50 U	10 U
Trans-1,3-Dichloro-1-propene	50 U	10 U
Methylene Chloride	14 J	10 U
Styrene	89	12
1,1,2,2-Tetrachloroethane	50 U	10 U
Tetrachloroethylene	50 U	10 U
1,1,1-Trichloroethane	50 U	10 U
1,1,2-Trichloroethane	50 U	10 U
Trichloroethylene	50 U	10 U
Vinyl Chloride	50 U	10 U
OTHER COMPOUNDS		
Acetone	300 J	67
Bromoform	50 U	10 U
Bromomethane	50 U	10 U
Carbondisulfide	8 J	2 J
2-Hexanone	50 UJ	10 U
Methyl Ethyl Ketone	56	10 U
Methyl Isobutyl Ketone	50 U	10 U

-- Not analyzed.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
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TABLE 4.3-9

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW1D			MW3D		MW4D		
	04/09/92(1)	12/01/93 Sample	12/01/93 Duplicate	04/07/92(1)	12/01/93	04/07/92(1) Sample	04/07/92(1) Duplicate	12/01/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	60000 U	89.25 U	89.25 U	100000 U	892.5 U	200000 U	50000 U	892.5 U
Benzo(b)fluoranthene	60000 U	120.45 U	120.45 U	100000 U	1204.5 U	200000 U	50000 U	1204.5 U
Benzo(k)fluoranthene	60000 U	95.9 U	95.9 U	100000 U	959 U	200000 U	50000 U	959 U
Benzo(a)pyrene	60000 U	110.65 U	110.65 U	100000 U	1106.5 U	200000 U	50000 U	1106.5 U
Carbazole	60000 U	82.4 U	82.4 U	100000 U	824 U	200000 U	50000 U	824 U
Chrysene	60000 U	96.25 U	96.25 U	100000 U	962.5 U	200000 U	50000 U	962.5 U
Dibenzo(ah)anthracene	60000 U	97.15 U	97.15 U	100000 U	971.5 U	200000 U	50000 U	971.5 U
Indeno(1,2,3,cd)pyrene	60000 U	110.25 U	110.25 U	100000 U	1102.5 U	200000 U	50000 U	1102.5 U
Sum of Carcinogens	ND	ND	ND	ND	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	60000 U	74.35 U	74.35 U	100000 U	743.5 U	200000 U	50000 U	743.5 U
Acenaphthylene	60000 U	73.8 U	73.8 U	100000 U	738 U	200000 U	50000 U	738 U
Anthracene	60000 U	79.75 U	79.75 U	100000 U	797.5 U	200000 U	50000 U	797.5 U
Benzo(ghi)perylene	60000 U	99.6 U	99.6 U	100000 U	996 U	200000 U	50000 U	996 U
Dibenzofuran	60000 U	70.2 U	70.2 U	100000 U	702 U	200000 U	50000 U	702 U
Fluoranthene	60000 U	73.85 U	73.85 U	100000 U	738.5 U	200000 U	50000 U	738.5 U
Fluorene	60000 U	72.1 U	72.1 U	100000 U	721 U	200000 U	50000 U	721 U
2-Methylnaphthalene	60000 U	69.25 U	69.25 U	100000 U	692.5 U	200000 U	50000 U	692.5 U
Naphthalene	60000 U	80 J	94 J	100000 U	678 U	200000 U	50000 U	678 U
Phenanthrene	60000 U	77.7 U	77.7 U	100000 U	777 U	200000 U	50000 U	777 U
Pyrene	60000 U	90.7 U	90.7 U	100000 U	907 U	200000 U	50000 U	907 U
Sum of Non-Carcinogens	ND	80 a	94 a	ND	ND	ND	ND	ND
Sum of Total PAH Compounds	ND	80 a	94 a	ND	ND	ND	ND	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	60000 U	--	--	100000 U	--	200000 U	50000 U	--
2-Chlorophenol	60000 U	--	--	100000 U	--	200000 U	50000 U	--
o-Cresol	82000	5600	27000 J	210000	42000	170000 J	34000 J	46000
p-Cresol	260000	52000	89000	730000	170000	710000	150000	190000
2,4-Dichlorophenol	60000 U	--	--	100000 U	--	200000 U	50000 U	--
2,4-Dimethylphenol	20000 J	158.25 U	7400 J	39000 J	12000	41000 J	7600 J	15000 J
2,4-Dinitrophenol	150000 U	--	--	250000 U	--	500000 U	120000 U	--
2-Methyl-4,6-dinitrophenol	150000 U	--	--	250000 U	--	500000 U	120000 U	--
2-Nitrophenol	60000 U	--	--	100000 U	--	200000 U	50000 U	--
4-Nitrophenol	150000 U	--	--	250000 U	--	500000 U	120000 U	--
Pentachlorophenol	150000 U	--	--	250000 U	--	500000 U	120000 U	--
Phenol	760000	170000	220000	94000	280000	1500000	320000	200000 J
2,4,5-Trichlorophenol	150000 U	--	--	250000 U	--	500000 U	120000 U	--
2,4,6-Trichlorophenol	60000 U	--	--	100000 U	--	200000 U	50000 U	--

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-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
(1) U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-9 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW1D			MW3D		MW4D		
	04/09/92(1)	12/01/93 Sample	12/01/93 Duplicate	04/07/92(1)	12/01/93	04/07/92(1) Sample	04/07/92(1) Duplicate	12/01/93
OTHER SEMIVOLATILE ORGANIC COMPOUNDS								
Bis(2-chloroethoxy)methane	60000 U	--	--	100000 U	--	200000 U	50000 U	--
Bis(2-chloroethyl)ether	60000 U	--	--	100000 U	--	200000 U	50000 U	--
Bis(2-chloroisopropyl)ether	60000 U	--	--	100000 U	--	200000 U	50000 U	--
Bis(2-ethylhexyl)phthalate	60000 U	--	--	100000 U	--	200000 U	50000 U	--
4-Bromophenyl phenyl ether	60000 U	--	--	100000 U	--	200000 U	50000 U	--
Butyl benzyl phthalate	60000 U	--	--	100000 U	--	200000 U	50000 U	--
4-Chloroaniline	60000 U	--	--	100000 U	--	200000 U	50000 U	--
2-Chloronaphthalene	60000 U	--	--	100000 U	--	200000 U	50000 U	--
4-Chlorophenyl phenyl ether	60000 U	--	--	100000 U	--	200000 U	50000 U	--
Di-n-butyl phthalate	60000 U	--	--	100000 U	--	200000 U	50000 U	--
Di-n-octyl phthalate	60000 U	--	--	100000 U	--	200000 U	50000 U	--
1,2-Dichlorobenzene	60000 U	--	--	100000 U	--	200000 U	50000 U	--
1,3-Dichlorobenzene	60000 U	--	--	100000 U	--	200000 U	50000 U	--
1,4-Dichlorobenzene	60000 U	--	--	100000 U	--	200000 U	50000 U	--
3,3-Dichlorobenzidine	60000 U	--	--	100000 U	--	200000 U	50000 U	--
Diethyl phthalate	60000 U	--	--	100000 U	--	200000 U	50000 U	--
Dimethyl phthalate	60000 U	--	--	100000 U	--	200000 U	50000 U	--
2,4-Dinitrotoluene	60000 U	--	--	100000 U	--	200000 U	50000 U	--
2,6-Dinitrotoluene	60000 U	--	--	100000 U	--	200000 U	50000 U	--
Hexachlorobenzene	60000 U	--	--	100000 U	--	200000 U	50000 U	--
Hexachlorobutadiene	60000 U	--	--	100000 U	--	200000 U	50000 U	--
Hexachlorocyclopentadiene	60000 U	--	--	100000 U	--	200000 U	50000 U	--
Hexachloroethane	60000 U	--	--	100000 U	--	200000 U	50000 U	--
Isophorone	60000 U	--	--	100000 U	--	200000 U	50000 U	--
N-Nitrosodi-n-propylamine	60000 U	--	--	100000 U	--	200000 U	50000 U	--
N-Nitrosodiphenylamine	60000 U	--	--	100000 U	--	200000 U	50000 U	--
2-Nitroaniline	150000 U	--	--	250000 U	--	500000 U	120000 U	--
3-Nitroaniline	150000 U	--	--	250000 U	--	500000 U	120000 U	--
4-Nitroaniline	150000 U	--	--	250000 U	--	500000 U	120000 U	--
Nitrobenzene	60000 U	--	--	100000 U	--	200000 U	50000 U	--
1,2,4-Trichlorobenzene	60000 U	--	--	100000 U	--	200000 U	50000 U	--

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-- Not analyzed.

(1) U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-9 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW5D		MW6D		MW7D			MW8D
	04/08/92(1)	12/01/93	04/08/92(1)	12/01/93	10/01/93 Sample	10/01/93 Duplicate	12/01/93	10/01/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	150 U	35.7 U	50000 U	178.5 U	892.5 U	892.5 U	892.5 U	892.5 U
Benzo(b)fluoranthene	150 U	48.18 U	50000 U	240.9 U	1204.5 U	1204.5 U	1204.5 U	1204.5 U
Benzo(k)fluoranthene	150 U	38.36 U	50000 U	191.8 U	959 U	959 U	959 U	959 U
Benzo(a)pyrene	150 U	44.26 U	50000 U	221.3 U	1106.5 U	1106.5 U	1106.5 U	1106.5 U
Carbazole	150 U	32.96 U	50000 U	164.8 U	824 U	824 U	824 U	824 U
Chrysene	150 U	38.5 U	50000 U	192.5 U	962.5 U	962.5 U	962.5 U	962.5 U
Dibenzo(ah)anthracene	150 U	38.86 U	50000 U	194.3 U	971.5 U	971.5 U	971.5 U	971.5 U
Indeno(1,2,3,cd)pyrene	150 U	44.1 U	50000 U	220.5 U	1102.5 U	1102.5 U	1102.5 U	1102.5 U
Sum of Carcinogens	ND	ND	ND	ND	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	150 U	29.74 U	50000 U	148.7 U	743.5 U	743.5 U	743.5 U	743.5 U
Acenaphthylene	150 U	29.52 U	50000 U	147.6 U	738 U	738 U	738 U	738 U
Anthracene	150 U	31.9 U	50000 U	159.5 U	797.5 U	797.5 U	797.5 U	797.5 U
Benzo(ghi)perylene	150 U	39.84 U	50000 U	199.2 U	996 U	996 U	996 U	996 U
Dibenzofuran	150 U	28.08 U	50000 U	140.4 U	702 U	702 U	702 U	702 U
Fluoranthene	150 U	29.54 U	50000 U	147.7 U	738.5 U	738.5 U	738.5 U	738.5 U
Fluorene	150 U	28.84 U	50000 U	144.2 U	721 U	721 U	721 U	721 U
2-Methylnaphthalene	150 U	27.7 U	50000 U	138.5 U	692.5 U	692.5 U	692.5 U	692.5 U
Naphthalene	150 U	27.12 U	50000 U	360 J	678 U	920 J	1400 J	678 U
Phenanthrene	150 U	31.08 U	50000 U	155.4 U	777 U	777 U	777 U	777 U
Pyrene	150 U	36.28 U	50000 U	181.4 U	907 U	907 U	907 U	907 U
Sum of Non-Carcinogens	ND	ND	ND	360 a	ND	920 a	1400 a	ND
Sum of Total PAH Compounds	ND	ND	ND	360 a	ND	920 a	1400 a	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	150 U	--	50000 U	--	594 U	594 U	--	594 U
2-Chlorophenol	150 U	--	50000 U	--	700.5 U	700.5 U	--	700.5 U
o-Cresol	1200	2000	99000	40000	7100	50000 J	100000	9400
p-Cresol	38 J	11	460000	240000	27000	180000	390000	32000
2,4-Dichlorophenol	150 U	--	50000 U	--	649 U	649 U	--	649 U
2,4-Dimethylphenol	790	1000	40000 J	14000 J	1582.5 U	18000	28000 J	1800 J
2,4-Dinitrophenol	380 U	--	120000 U	--	2030.5 UJ	2030.5 UJ	--	2030.5 UJ
2-Methyl-4,6-dinitrophenol	380 U	--	120000 U	--	1142 U	1142 U	--	1142 U
2-Nitrophenol	150 U	--	50000 U	--	542 U	542 U	--	542 U
4-Nitrophenol	380 U	--	120000 U	--	939 UJ	939 UJ	--	939 UJ
Pentachlorophenol	380 U	--	120000 U	--	845 UJ	845 UJ	--	845 UJ
Phenol	150 U	3 J	690000 J	240000	73000	590000	660000 J	45000
2,4,5-Trichlorophenol	380 U	--	120000 U	--	624 U	624 U	--	624 U
2,4,6-Trichlorophenol	150 U	--	50000 U	--	585.5 U	585.5 U	--	585.5 U

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
(1) U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-9 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW5D		MW6D		MW7D			MW8D
	04/08/92	12/01/93	04/08/92	12/01/93	10/01/93 Sample	10/01/93 Duplicate	12/01/93	10/01/93
OTHER SEMIVOLATILE ORGANIC COMPOUNDS								
Bis(2-chloroethoxy)methane	150 U	--	50000 U	--	715.5 U	715.5 U	--	715.5 U
Bis(2-chloroethyl)ether	150 U	--	50000 U	--	684 U	684 U	--	684 U
Bis(2-chloroisopropyl)ether	150 U	--	50000 U	--	787.5 U	787.5 U	--	787.5 U
Bis(2-ethylhexyl)phthalate	150 U	--	50000 U	--	3089.5 U	3089.5 U	--	3089.5 U
4-Bromophenyl phenyl ether	150 U	--	50000 U	--	528.5 U	528.5 U	--	528.5 U
Butyl benzyl phthalate	150 U	--	50000 U	--	628 U	628 U	--	628 U
4-Chloroaniline	150 U	--	50000 U	--	879.5 U	879.5 U	--	879.5 U
2-Chloronaphthalene	150 U	--	50000 U	--	683 U	683 U	--	683 U
4-Chlorophenyl phenyl ether	150 U	--	50000 U	--	656.5 U	656.5 U	--	656.5 U
Di-n-butyl phthalate	150 U	--	50000 U	--	652 U	652 U	--	652 U
Di-n-octyl phthalate	150 U	--	50000 U	--	1050.5 U	1050.5 U	--	1050.5 U
1,2-Dichlorobenzene	150 U	--	50000 U	--	875.5 U	875.5 U	--	875.5 U
1,3-Dichlorobenzene	150 U	--	50000 U	--	897 U	897 U	--	897 U
1,4-Dichlorobenzene	150 U	--	50000 U	--	874 U	874 U	--	874 U
3,3-Dichlorobenzidine	150 U	--	50000 U	--	2385 U	2385 U	--	2385 U
Diethyl phthalate	150 U	--	50000 U	--	764.5 U	764.5 U	--	764.5 U
Dimethyl phthalate	150 U	--	50000 U	--	665 U	665 U	--	665 U
2,4-Dinitrotoluene	150 U	--	50000 U	--	570 U	570 U	--	570 U
2,6-Dinitrotoluene	150 U	--	50000 U	--	547.5 U	547.5 U	--	547.5 U
Hexachlorobenzene	150 U	--	50000 U	--	687 U	687 U	--	687 U
Hexachlorobutadiene	150 U	--	50000 U	--	883.5 U	883.5 U	--	883.5 U
Hexachlorocyclopentadiene	150 U	--	50000 U	--	670.5 U	670.5 U	--	670.5 U
Hexachloroethane	150 U	--	50000 U	--	899.5 U	899.5 U	--	899.5 U
Isophorone	150 U	--	50000 U	--	661 U	661 U	--	661 U
N-Nitrosodi-n-propylamine	150 U	--	50000 U	--	604.5 U	604.5 U	--	604.5 U
N-Nitrosodiphenylamine	150 U	--	50000 U	--	794 U	794 U	--	794 U
2-Nitroaniline	380 U	--	120000 U	--	637.5 U	637.5 U	--	637.5 U
3-Nitroaniline	380 U	--	120000 U	--	903 U	903 U	--	903 U
4-Nitroaniline	380 U	--	120000 U	--	827.5 UJ	827.5 UJ	--	827.5 UJ
Nitrobenzene	150 U	--	50000 U	--	620.5 U	620.5 U	--	620.5 U
1,2,4-Trichlorobenzene	150 U	--	50000 U	--	688 U	688 U	--	688 U

-- Not analyzed.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
(1) U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.3-9 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW8D	MW9D		MW10D		MW11D		MW12D
	11/30/93	09/30/93	12/02/93	10/01/93	12/01/93	10/01/93	11/30/93	09/30/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	892.5 U	892.5 U	1785 U	892.5 U	89.25 U	1.785 U	0.00600 U	1.785 U
Benzo(b)fluoranthene	1204.5 U	1204.5 U	2409 U	1204.5 U	120.45 U	2.409 U	0.00600 U	2.409 U
Benzo(k)fluoranthene	959 U	959 U	1918 U	959 U	95.9 U	1.918 U	0.00600 U	1.918 U
Benzo(a)pyrene	1106.5 U	1106.5 U	2213 U	1106.5 U	110.65 U	2.213 U	0.00600 U	2.213 U
Carbazole	824 U	824 U	1648 U	824 U	82.4 U	1.648 U	0.00600 U	1.648 U
Chrysene	962.5 U	962.5 U	1925 U	962.5 U	96.25 U	1.925 U	0.0120 U	1.925 U
Dibenzo(ah)anthracene	971.5 U	971.5 U	1943 U	971.5 U	97.15 U	1.943 U	0.00600 U	1.943 U
Indeno(1,2,3,cd)pyrene	1102.5 UJ	1102.5 U	2205 U	1102.5 U	110.25 U	2.205 U	0.00600 U	2.205 UJ
Sum of Carcinogens	ND	ND	ND	ND	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	743.5 U	743.5 U	1487 U	743.5 U	74.35 U	1.487 U	0.00600 U	1.487 U
Acenaphthylene	738 U	738 U	1476 U	738 U	73.8 U	1.476 U	0.00600 U	1.476 U
Anthracene	797.5 U	797.5 U	1595 U	797.5 U	79.75 U	1.595 U	0.00600 U	1.595 U
Benzo(ghi)perylene	996 UJ	996 U	1992 U	996 U	99.6 U	1.992 U	0.00600 UJ	1.992 U
Dibenzofuran	702 U	702 U	1404 U	702 U	70.2 U	1.404 U	0.00600 U	1.404 U
Fluoranthene	738.5 U	738.5 U	1477 U	738.5 U	73.85 U	1.477 U	0.00664	1.477 U
Fluorene	721 U	721 U	1442 U	721 U	72.1 U	1.442 U	0.00600 U	1.442 U
2-Methylnaphthalene	692.5 U	692.5 U	1385 U	692.5 U	69.25 U	1.385 U	0.00600 U	1.385 U
Naphthalene	678 U	678 U	1356 U	678 U	67.8 U	1.356 U	0.00800 U	1.356 U
Phenanthrene	777 U	777 U	1554 U	777 U	77.7 U	1.554 U	0.0110	1.554 U
Pyrene	907 U	907 U	1814 U	907 U	90.7 U	1.814 U	0.00600 U	1.814 U
Sum of Non-Carcinogens	ND	ND	ND	ND	ND	ND	0.01764	ND
Sum of Total PAH Compounds	ND	ND	ND	ND	ND	ND	0.01764	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	594 U	--	594 U	--	1.188 U	--	1.188 U
2-Chlorophenol	--	700.5 U	--	700.5 U	--	1.401 U	--	1.401 U
o-Cresol	28000	14000	28000	13000	24000	1.705 U	1.705 U	1.705 U
p-Cresol	97000	38000	84000	35000	64000	1.643 U	1.643 U	1.643 U
2,4-Dichlorophenol	--	649 U	--	649 U	--	1.298 U	--	1.298 U
2,4-Dimethylphenol	6400 J	3900 J	6500 J	4000 J	7400	3.165 U	3.165 UJ	3.165 U
2,4-Dinitrophenol	--	2030.5 UJ	--	2030.5 UJ	--	4.061 UJ	--	4.061 U
2-Methyl-4,6-dinitrophenol	--	1142 U	--	1142 U	--	2.284 U	--	2.284 U
2-Nitrophenol	--	542 U	--	542 U	--	1.084 U	--	1.084 U
4-Nitrophenol	--	939 UJ	--	939 UJ	--	1.878 UJ	--	1.878 UJ
Pentachlorophenol	--	845 UJ	--	845 UJ	--	1.69 UJ	--	1.69 U
Phenol	78000 J	110000	120000 J	47000	48000	1.296 U	1.296 U	1.296 U
2,4,5-Trichlorophenol	--	624 U	--	624 U	--	1.248 U	--	1.248 U
2,4,6-Trichlorophenol	--	585.5 U	--	585.5 U	--	1.171 U	--	1.171 U

-- Not analyzed.
ND Not detected.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
.013
05/26/94

TABLE 4.3-9 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW8D	MW9D		MW10D		MW11D		MW12D
	11/30/93	09/30/93	12/02/93	10/01/93	12/01/93	10/01/93	11/30/93	09/30/93
OTHER SEMIVOLATILE ORGANIC COMPOUNDS								
Bis(2-chloroethoxy)methane	--	715.5 U	--	715.5 U	--	1.431 U	--	1.431 U
Bis(2-chloroethyl)ether	--	684 U	--	684 U	--	1.368 U	--	1.368 U
Bis(2-chloroisopropyl)ether	--	787.5 U	--	787.5 U	--	1.575 U	--	1.575 U
Bis(2-ethylhexyl)phthalate	--	3089.5 U	--	3089.5 U	--	6.179 U	--	6.179 U
4-Bromophenyl phenyl ether	--	528.5 U	--	528.5 U	--	1.057 U	--	1.057 U
Butyl benzyl phthalate	--	628 U	--	628 U	--	1.256 U	--	1.256 U
4-Chloroaniline	--	879.5 U	--	879.5 U	--	1.759 U	--	1.759 U
2-Chloronaphthalene	--	683 U	--	683 U	--	1.366 U	--	1.366 U
4-Chlorophenyl phenyl ether	--	656.5 U	--	656.5 U	--	1.313 U	--	1.313 U
Di-n-butyl phthalate	--	652 U	--	652 U	--	1.304 U	--	1.304 U
Di-n-octyl phthalate	--	1050.5 U	--	1050.5 U	--	2.101 U	--	3 J
1,2-Dichlorobenzene	--	875.5 U	--	875.5 U	--	1.751 U	--	1.751 U
1,3-Dichlorobenzene	--	897 U	--	897 U	--	1.794 U	--	1.794 U
1,4-Dichlorobenzene	--	874 U	--	874 U	--	1.748 U	--	1.748 U
3,3-Dichlorobenzidine	--	2385 U	--	2385 U	--	4.77 U	--	4.77 U
Diethyl phthalate	--	764.5 U	--	764.5 U	--	1.529 U	--	1.529 U
Dimethyl phthalate	--	665 U	--	665 U	--	1.33 U	--	1.33 U
2,4-Dinitrotoluene	--	570 U	--	570 U	--	1.14 U	--	1.14 U
2,6-Dinitrotoluene	--	547.5 U	--	547.5 U	--	1.095 U	--	1.095 U
Hexachlorobenzene	--	687 U	--	687 U	--	1.374 U	--	1.374 U
Hexachlorobutadiene	--	883.5 U	--	883.5 U	--	1.767 U	--	1.767 U
Hexachlorocyclopentadiene	--	670.5 U	--	670.5 U	--	1.341 U	--	1.341 U
Hexachloroethane	--	899.5 U	--	899.5 U	--	1.799 U	--	1.799 U
Isophorone	--	661 U	--	661 U	--	1.322 U	--	1.322 U
N-Nitrosodi-n-propylamine	--	604.5 U	--	604.5 U	--	1.209 U	--	1.209 U
N-Nitrosodiphenylamine	--	794 U	--	794 U	--	1.588 U	--	1.588 U
2-Nitroaniline	--	637.5 U	--	637.5 U	--	1.275 U	--	1.275 U
3-Nitroaniline	--	903 U	--	903 U	--	1.806 U	--	1.806 U
4-Nitroaniline	--	827.5 UJ	--	827.5 UJ	--	1.655 UJ	--	1.655 UJ
Nitrobenzene	--	620.5 U	--	620.5 U	--	1.241 U	--	1.241 U
1,2,4-Trichlorobenzene	--	688 U	--	688 U	--	1.376 U	--	1.376 U

-- Not analyzed.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
.013
05/26/94

TABLE 4.3-9 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW12D	MW13D			MW14D		MW15D	
	11/30/93	09/30/93	11/30/93 Sample	11/30/93 Duplicate	09/30/93	11/30/93	09/30/93	11/30/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	0.00600 U	892.5 U	892.5 U	892.5 U	1.785 U	0.00600 U	1.785 U	0.00600 U
Benzo(b)fluoranthene	0.00600 U	1204.5 U	1204.5 U	1204.5 U	2.409 U	0.00600 U	2.409 U	0.00600 U
Benzo(k)fluoranthene	0.00600 U	959 U	959 U	959 U	1.918 U	0.00600 U	1.918 U	0.00600 U
Benzo(a)pyrene	0.00600 U	1106.5 U	1106.5 U	1106.5 U	2.213 U	0.00600 U	2.213 U	0.00600 U
Carbazole	0.00600 U	824 U	824 U	824 U	1.648 U	0.00600 U	1.648 U	0.00600 U
Chrysene	0.0120 U	962.5 U	962.5 U	962.5 U	1.925 U	0.0120 U	1.925 U	0.0120 U
Dibenzo(ah)anthracene	0.00600 U	971.5 U	971.5 U	971.5 U	1.943 U	0.00600 U	1.943 U	0.00600 U
Indeno(1,2,3,cd)pyrene	0.00600 UJ	1102.5 U	1102.5 UJ	1102.5 U	2.205 UJ	0.00600 UJ	2.205 U	0.00600 UJ
Sum of Carcinogens	ND	ND	ND	ND	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	0.00600 U	743.5 U	743.5 U	743.5 U	1.487 U	0.00600 U	1.487 U	0.00600 U
Acenaphthylene	0.00735	738 U	738 U	738 U	1.476 U	0.00600 U	1.476 U	0.00600 U
Anthracene	0.00600 U	797.5 U	797.5 U	797.5 U	1.595 U	0.00653	1.595 U	0.00600 U
Benzo(ghi)perylene	0.00600 UJ	996 U	996 UJ	996 U	1.992 U	0.00600 UJ	1.992 U	0.00600 UJ
Dibenzofuran	0.00600 U	702 U	702 U	702 U	1.404 U	0.00600 U	1.404 U	0.00600 U
Fluoranthene	0.00600 U	738.5 U	738.5 U	738.5 U	1.477 U	0.00600 U	1.477 U	0.00600 U
Fluorene	0.00600 U	721 U	721 U	721 U	1.442 U	0.00600 U	1.442 U	0.00600 U
2-Methylnaphthalene	0.00600 U	692.5 U	692.5 U	692.5 U	1.385 U	0.00858	1.385 U	0.00600 U
Naphthalene	0.00800 U	678 U	678 U	678 U	1.356 U	0.00800 U	1.356 U	0.00788 J
Phenanthrene	0.00770	777 U	777 U	777 U	1.554 U	0.00817	1.554 U	0.00600 U
Pyrene	0.00600 U	907 U	907 U	907 U	1.814 U	0.00600 U	1.814 U	0.00600 U
Sum of Non-Carcinogens	0.01505	ND	ND	ND	ND	0.02328	ND	0.00788 a
Sum of Total PAH Compounds	0.01505	ND	ND	ND	ND	0.02328	ND	0.00788 a
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	594 U	--	--	1.188 U	--	1.188 U	--
2-Chlorophenol	--	700.5 U	--	--	1.401 U	--	1.401 U	--
o-Cresol	1.705 U	43000 J	90000	90000	1.705 U	1.705 U	1.705 U	1.705 U
p-Cresol	1.643 U	170000	350000	360000	1.643 U	1.643 U	1.643 U	1.643 U
2,4-Dichlorophenol	--	649 U	--	--	1.298 U	--	1.298 U	--
2,4-Dimethylphenol	3.165 UJ	16000	24000 J	22000 J	3.165 U	3.165 UJ	3.165 U	3.165 UJ
2,4-Dinitrophenol	--	2030.5 UJ	--	--	4.061 U	--	4.061 UJ	--
2-Methyl-4,6-dinitrophenol	--	1142 U	--	--	2.284 U	--	2.284 U	--
2-Nitrophenol	--	542 U	--	--	1.084 U	--	1.084 U	--
4-Nitrophenol	--	939 UJ	--	--	1.878 UJ	--	1.878 UJ	--
Pentachlorophenol	--	845 UJ	--	--	1.69 U	--	1.69 UJ	--
Phenol	1.296 U	440000	500000 J	540000 J	1.296 U	1.296 U	1.296 U	1.296 U
2,4,5-Trichlorophenol	--	624 U	--	--	1.248 U	--	1.248 U	--
2,4,6-Trichlorophenol	--	585.5 U	--	--	1.171 U	--	1.171 U	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.

.013
05/26/94

TABLE 4.3-9 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	MW12D	MW13D			MW14D		MW15D	
	11/30/93	09/30/93	11/30/93 Sample	11/30/93 Duplicate	09/30/93	11/30/93	09/30/93	11/30/93
OTHER SEMIVOLATILE ORGANIC COMPOUNDS								
Bis(2-chloroethoxy)methane	--	715.5 U	--	--	1.431 U	--	1.431 U	--
Bis(2-chloroethyl)ether	--	684 U	--	--	1.368 U	--	1.368 U	--
Bis(2-chloroisopropyl)ether	--	787.5 U	--	--	1.575 U	--	1.575 U	--
Bis(2-ethylhexyl)phthalate	--	3089.5 U	--	--	6.179 U	--	6.179 U	--
4-Bromophenyl phenyl ether	--	528.5 U	--	--	1.057 U	--	1.057 U	--
Butyl benzyl phthalate	--	628 U	--	--	1.256 U	--	1.256 U	--
4-Chloroaniline	--	879.5 U	--	--	1.759 U	--	1.759 U	--
2-Chloronaphthalene	--	683 U	--	--	1.366 U	--	1.366 U	--
4-Chlorophenyl phenyl ether	--	656.5 U	--	--	1.313 U	--	1.313 U	--
Di-n-butyl phthalate	--	652 U	--	--	1.304 U	--	1.304 U	--
Di-n-octyl phthalate	--	1050.5 U	--	--	2.101 U	--	2.101 U	--
1,2-Dichlorobenzene	--	875.5 U	--	--	1.751 U	--	1.751 U	--
1,3-Dichlorobenzene	--	897 U	--	--	1.794 U	--	1.794 U	--
1,4-Dichlorobenzene	--	874 U	--	--	1.748 U	--	1.748 U	--
3,3-Dichlorobenzidine	--	2385 U	--	--	4.77 U	--	4.77 U	--
Diethyl phthalate	--	764.5 U	--	--	1.529 U	--	1.529 U	--
Dimethyl phthalate	--	665 U	--	--	1.33 U	--	1.33 U	--
2,4-Dinitrotoluene	--	570 U	--	--	1.14 U	--	1.14 U	--
2,6-Dinitrotoluene	--	547.5 U	--	--	1.095 U	--	1.095 U	--
Hexachlorobenzene	--	687 U	--	--	1.374 U	--	1.374 U	--
Hexachlorobutadiene	--	883.5 U	--	--	1.767 U	--	1.767 U	--
Hexachlorocyclopentadiene	--	670.5 U	--	--	1.341 U	--	1.341 U	--
Hexachloroethane	--	899.5 U	--	--	1.799 U	--	1.799 U	--
Isophorone	--	661 U	--	--	1.322 U	--	1.322 U	--
N-Nitrosodi-n-propylamine	--	604.5 U	--	--	1.209 U	--	1.209 U	--
N-Nitrosodiphenylamine	--	794 U	--	--	1.588 U	--	1.588 U	--
2-Nitroaniline	--	637.5 U	--	--	1.275 U	--	1.275 U	--
3-Nitroaniline	--	903 U	--	--	1.806 U	--	1.806 U	--
4-Nitroaniline	--	827.5 UJ	--	--	1.655 UJ	--	1.655 UJ	--
Nitrobenzene	--	620.5 U	--	--	1.241 U	--	1.241 U	--
1,2,4-Trichlorobenzene	--	688 U	--	--	1.376 U	--	1.376 U	--

-- Not analyzed.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
.013
05/26/94

TABLE 4.3-9 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	PW1	
	11/05/93	12/02/93
CARCINOGENIC COMPOUNDS		
Benzo(a)anthracene	3570 U	178.5 U
Benzo(b)fluoranthene	4818 U	240.9 U
Benzo(k)fluoranthene	3836 U	191.8 U
Benzo(a)pyrene	4426 U	221.3 U
Carbazole	3296 U	164.8 U
Chrysene	3850 U	192.5 U
Dibenzo(ah)anthracene	3886 U	194.3 U
Indeno(1,2,3,cd)pyrene	4410 U	220.5 U
Sum of Carcinogens	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS		
Acenaphthene	2974 U	148.7 U
Acenaphthylene	2952 U	147.6 U
Anthracene	3190 U	159.5 U
Benzo(ghi)perylene	3984 U	199.2 U
Dibenzofuran	2808 U	140.4 U
Fluoranthene	2954 U	147.7 U
Fluorene	2884 U	144.2 U
2-Methylnaphthalene	2770 U	138.5 U
Naphthalene	2712 U	710 J
Phenanthrene	3108 U	155.4 U
Pyrene	3628 U	181.4 U
Sum of Non-Carcinogens	ND	710 a
Sum of Total PAH Compounds	ND	710 a
PHENOLIC COMPOUNDS		
4-Chloro-3-methylphenol	--	--
2-Chlorophenol	--	--
o-Cresol	20000	852.2 U
p-Cresol	66000	8215 U
2,4-Dichlorophenol	--	--
2,4-Dimethylphenol	4000 J	649 U
2,4-Dinitrophenol	--	--
2-Methyl-4,6-dinitrophenol	--	--
2-Nitrophenol	--	--
4-Nitrophenol	--	--
Pentachlorophenol	--	--
Phenol	160000	21000
2,4,5-Trichlorophenol	--	--
2,4,6-Trichlorophenol	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
.013
05/26/94

TABLE 4.3-10

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/L)

	MW1D	MW3D	MW4D		MW5D	MW6D	MW7D	
	04/09/92	04/07/92	04/07/92 Sample	04/07/92 Duplicate	04/08/92	04/08/92	10/01/93 Sample	10/01/93 Duplicate
PESTICIDES								
Aldrin	0.10 U	0.050 U	0.050 U	0.050 U	0.050 UJ	0.50 UJ	1.0 U	0.50 U
a-BHC	0.10 U	0.050 U	0.050 U	0.050 U	0.050 UJ	0.50 UJ	1.0 U	0.50 U
b-BHC	0.10 U	0.050 U	0.050 U	0.050 U	0.050 UJ	0.50 UJ	1.0 U	0.50 U
d-BHC	0.10 U	0.050 U	0.050 U	0.050 U	0.050 UJ	0.50 UJ	1.0 U	0.50 U
g-BHC (Lindane)	0.10 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.50 UJ	1.0 U	0.50 U
Alpha Chlordane	0.10 U	0.050 U	0.050 U	0.050 U	0.050 UJ	0.50 UJ	1.0 U	0.50 U
Gamma Chlordane	0.10 U	0.050 U	0.050 U	0.050 U	0.050 UJ	0.50 UJ	1.0 U	0.50 U
4,4'-DDD	0.20 U	0.10 U	0.10 U	0.10 U	0.10 UJ	1.0 UJ	2.0 U	1.0 U
4,4'-DDE	0.20 U	0.10 U	0.10 U	0.10 U	0.10 UJ	1.0 UJ	2.0 U	1.0 U
4,4'-DDT	0.20 U	0.10 U	0.10 U	0.10 U	0.10 UJ	1.0 UJ	2.0 U	1.0 U
Dieldrin	0.20 U	0.10 U	0.10 U	0.10 U	0.10 UJ	1.0 UJ	2.0 U	1.0 U
Endosulfan I	0.10 U	0.050 U	0.050 U	0.050 U	0.050 UJ	0.50 UJ	1.0 U	0.50 U
Endosulfan II	0.20 U	0.10 U	0.10 U	0.10 U	0.10 UJ	1.0 UJ	2.0 U	1.0 U
Endosulfan Sulfate	0.20 U	0.10 U	0.10 U	0.10 U	0.10 UJ	1.0 UJ	2.0 U	1.0 U
Endrin	0.20 U	0.10 U	0.10 U	0.10 U	0.10 UJ	1.0 UJ	2.0 U	1.0 U
Endrin Aldehyde	0.20 U	0.10 U	0.10 U	0.10 U	0.10 UJ	1.0 UJ	2.0 U	1.0 U
Endrin Ketone	0.20 U	0.10 U	0.10 U	0.10 U	0.10 UJ	1.0 UJ	2.0 U	1.0 U
Heptachlor	0.10 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.50 UJ	1.0 U	0.50 U
Heptachlor Epoxide	0.10 U	0.050 U	0.050 U	0.050 U	0.050 UJ	0.50 UJ	1.0 U	0.50 U
Methyloxyclor	1.0 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	10 U	5.0 U
Toxaphene	10 U	5.0 U	5.0 U	5.0 U	5.0 UJ	50 UJ	100 U	50 U
PCBs								
PCB-1016	2.0 U	5.0 U	5.0 U	5.0 U	2.0 UJ	25 UJ	20 U	10 U
PCB-1221	4.0 U	10 U	10 U	10 U	4.0 UJ	50 UJ	40 U	20 U
PCB-1232	2.0 U	5.0 U	5.0 U	5.0 U	2.0 UJ	25 UJ	20 U	10 U
PCB-1242	2.0 U	5.0 U	5.0 U	5.0 U	2.0 UJ	25 UJ	20 U	10 U
PCB-1248	2.0 U	5.0 U	5.0 U	5.0 U	2.0 UJ	25 UJ	20 U	10 U
PCB-1254	2.0 U	5.0 U	5.0 U	5.0 U	2.0 UJ	25 UJ	20 U	10 U
PCB-1260	2.0 U	5.0 U	5.0 U	5.0 U	2.0 UJ	25 UJ	20 U	10 U

J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
.013
05/26/94

TABLE 4.3-10 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/L)

	MW8D	MW9D	MW10D	MW11D	MW12D	MW13D	MW14D	MW15D
	10/01/93	09/30/93	10/01/93	10/01/93	09/30/93	09/30/93	09/30/93	09/30/93
PESTICIDES								
Aldrin	0.50 U	5.0 U	0.20 U	0.050 U	0.050 U	0.10 U	0.050 U	0.050 U
a-BHC	0.50 U	5.0 U	0.20 U	0.050 U	0.050 U	0.10 U	0.050 U	0.050 U
b-BHC	0.50 U	5.0 U	0.20 U	0.050 U	0.050 U	0.10 U	0.050 U	0.050 U
d-BHC	0.50 U	5.0 U	0.20 U	0.050 U	0.050 U	0.10 U	0.050 U	0.050 U
g-BHC (Lindane)	0.50 U	5.0 U	0.20 U	0.050 U	0.050 U	0.10 U	0.050 U	0.050 U
Alpha Chlordane	0.50 U	5.0 U	0.20 U	0.050 U	0.050 U	0.10 U	0.050 U	0.050 U
Gamma Chlordane	0.50 U	5.0 U	0.20 U	0.050 U	0.050 U	0.10 U	0.050 U	0.050 U
4,4'-DDD	1.0 U	10 U	0.40 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U
4,4'-DDE	1.0 U	10 U	0.40 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U
4,4'-DDT	1.0 U	10 U	0.40 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U
Dieldrin	1.0 U	10 U	0.40 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U
Endosulfan I	0.50 U	5.0 U	0.20 U	0.050 U	0.050 U	0.10 U	0.050 U	0.050 U
Endosulfan II	1.0 U	10 U	0.40 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U
Endosulfan Sulfate	1.0 U	10 U	0.40 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U
Endrin	1.0 U	10 U	0.40 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U
Endrin Aldehyde	1.0 U	10 U	0.40 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U
Endrin Ketone	1.0 U	10 U	0.40 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U
Heptachlor	0.50 U	5.0 U	0.20 U	0.050 U	0.050 U	0.10 U	0.050 U	0.050 U
Heptachlor Epoxide	0.50 U	5.0 U	0.20 U	0.050 U	0.050 U	0.10 U	0.050 U	0.050 U
Methyloxyclor	5.0 U	50 U	2.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
Toxaphene	50 U	500 U	20 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U
PCBs								
PCB-1016	10 U	100 U	4.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U
PCB-1221	20 U	200 U	8.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U
PCB-1232	10 U	100 U	4.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U
PCB-1242	10 U	100 U	4.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U
PCB-1248	10 U	100 U	4.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U
PCB-1254	10 U	100 U	4.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U
PCB-1260	10 U	100 U	4.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U

U Not detected.
.013
05/26/94

TABLE 4.3-10 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/L)

	PW1
	12/02/93
PESTICIDES	
Aldrin	0.10 U
a-BHC	0.10 U
b-BHC	0.10 U
d-BHC	0.10 U
g-BHC (Lindane)	0.10 U
Alpha Chlordane	0.10 U
Gamma Chlordane	0.10 U
4,4'-DDD	0.20 U
4,4'-DDE	0.20 U
4,4'-DDT	0.20 U
Dieldrin	0.20 U
Endosulfan I	0.10 U
Endosulfan II	0.20 U
Endosulfan Sulfate	0.20 U
Endrin	0.20 U
Endrin Aldehyde	0.20 U
Endrin Ketone	0.20 U
Heptachlor	0.10 U
Heptachlor Epoxide	0.10 U
Methyloxyclor	1.0 U
Toxaphene	10 U
PCBs	
PCB-1016	5.0 U
PCB-1221	10 U
PCB-1232	5.0 U
PCB-1242	5.0 U
PCB-1248	5.0 U
PCB-1254	5.0 U
PCB-1260	5.0 U

U Not detected.
.013
05/26/94

TABLE 4.3-11

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
GENERAL PARAMETERS

(concentrations in mg/L, unless noted otherwise)

	MW1S	MW3S	MW4S	MW5S	MW6S		MW7S	
	12/01/93	12/01/93	12/01/93	12/01/93	10/01/93	12/01/93	10/01/93	12/01/93
Acidity as CaCO3	--	--	--	--	<1	--	<1	--
Total Alkalinity as CaCO3	--	--	--	--	469	482	341	293
Alkalinity, Phenolphthalein as CaCO3	--	--	--	--	--	<1	--	<1
Biochemical Oxygen Demand (5-day)	--	--	--	--	23	--	<40	--
Cation-Anion Balance, %	--	--	--	--	--	47.13	--	1.35
Chloride	--	--	--	--	18.0	22.7	55.9	6.0
Chemical Oxygen Demand	--	--	--	--	36	--	27	--
Total Hardness as CaCO3	--	--	--	--	620	--	426	--
Ammonia Nitrogen	71.9	<0.2	<0.2	1.5	--	44.3	--	0.8
Nitrite	--	--	--	--	--	<0.05	--	0.08
Nitrate	--	--	--	--	--	<0.25	--	0.71
Oil and Grease	--	--	--	--	0.46	--	<0.06	--
Sulfate	--	--	--	--	223	832	92.7	93.6
Specific Gravity @4oC	--	--	--	--	1.001	--	1.001	--
Sulfide, total	--	--	--	--	5.5	--	<0.1	--
Total Dissolved Solids	--	--	--	--	942	--	703	--
Total Organic Carbon	--	--	--	--	5.2	--	2.5	--
Suspended Solids, total	--	--	--	--	21	--	32	--
Phosphorus, Total	--	--	--	--	--	0.41	--	0.24
Turbidity	--	--	--	--	--	34.0	--	38

	MW8S	MW9S		MW10S		MW11S	
	11/30/93	10/01/93	12/02/93	10/01/93	12/01/93	11/30/93 Sample	11/30/93 Duplicate
Acidity as CaCO3	--	<1	--	<1	--	--	--
Total Alkalinity as CaCO3	--	194	39	198	199	--	--
Alkalinity, Phenolphthalein as CaCO3	--	--	<1	--	<1	--	--
Biochemical Oxygen Demand (5-day)	--	90	--	1800	--	--	--
Cation-Anion Balance, %	--	--	1.55	--	0.32	--	--
Chloride	--	11.7	156	3.5	2.1	--	--
Chemical Oxygen Demand	--	174	--	21	--	--	--
Total Hardness as CaCO3	--	1720	--	222	--	--	--
Ammonia Nitrogen	<0.2	--	1.9	--	<0.2	1.0	0.4
Nitrite	--	--	0.05	--	<0.05	--	--
Nitrate	--	--	5.29	--	<0.05	--	--
Oil and Grease	--	0.86	--	0.72	--	--	--
Sulfate	--	1140	856	39.3	39.0	--	--
Specific Gravity @4oC	--	1.005	--	1.003	--	--	--
Sulfide, total	--	0.1	--	0.1	--	--	--
Total Dissolved Solids	--	2360	--	489	--	--	--
Total Organic Carbon	--	6.8	--	4.3	--	--	--
Suspended Solids, total	--	173	--	26	--	--	--
Phosphorus, Total	--	--	0.77	--	0.12	--	--
Turbidity	--	--	47.5	--	9.2	--	--

-- Not analyzed.

.013
05/26/94

TABLE 4.3-11 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER WATER TABLE MONITORING WELL SAMPLES
GENERAL PARAMETERS

(concentrations in mg/L, unless noted otherwise)

	MW12S		MW13S	MW14S	MW15S
	09/30/93	11/30/93	11/30/93	11/30/93	11/30/93
Acidity as CaCO3	<5	--	--	--	--
Total Alkalinity as CaCO3	218	--	--	--	222
Alkalinity, Phenolphthalein as CaCO3	--	--	--	--	<1
Biochemical Oxygen Demand (5-day)	<10	--	--	--	--
Cation-Anion Balance, %	--	--	--	--	-1.67
Chloride	1.5	--	--	--	9.5
Chemical Oxygen Demand	<20	--	--	--	--
Total Hardness as CaCO3	244	--	--	--	--
Ammonia Nitrogen	--	<0.2	<0.2	<0.2	<0.2
Nitrite	--	--	--	--	<0.05
Nitrate	--	--	--	--	0.17
Oil and Grease	<0.06	--	--	--	--
Sulfate	28.5	--	--	--	65.0
Specific Gravity @4oC	1.003	--	--	--	--
Sulfide, total	0.1	--	--	--	--
Total Dissolved Solids	443	--	--	--	--
Total Organic Carbon	4.0	--	--	--	--
Suspended Solids, total	15	--	--	--	--
Phosphorus, Total	--	--	--	--	0.06
Turbidity	--	--	--	--	21.0

-- Not analyzed.

.013

05/26/94

TABLE 4.3-12

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
GENERAL PARAMETERS

(concentrations in mg/L, unless noted otherwise)

	MW1D		MW3D	MW4D	MW5D	MW6D		
	12/01/93	12/01/93	12/01/93	12/01/93	12/01/93	10/01/93 Sample	10/01/93 Duplicate	12/01/93
Acidity as CaCO3	--	--	--	--	--	<5	<5	--
Total Alkalinity as CaCO3	--	--	--	--	--	4460	4500	4560
Alkalinity, Phenolphthalein as CaCO3	--	--	--	--	--	--	--	<1
Biochemical Oxygen Demand (5-day)	--	--	--	--	--	1900	1900	--
Cation-Anion Balance, %	--	--	--	--	--	--	--	91.38
Chloride	--	--	--	--	--	3770	3920	4050
Chemical Oxygen Demand	--	--	--	--	--	4970	4190	--
Total Hardness as CaCO3	--	--	--	--	--	162	182	--
Ammonia Nitrogen	965	866	1210	1050	383	--	--	1860
Nitrite	--	--	--	--	--	--	--	0.10
Nitrate	--	--	--	--	--	--	--	<0.25
Oil and Grease	--	--	--	--	--	7.70	7.71	--
Sulfate	--	--	--	--	--	152	152	12.6
Specific Gravity @4oC	--	--	--	--	--	1.006	1.007	--
Sulfide, total	--	--	--	--	--	5.1	13.1	--
Total Dissolved Solids	--	--	--	--	--	1430	1090	--
Total Organic Carbon	--	--	--	--	--	1120	1070	--
Suspended Solids, total	--	--	--	--	--	60	57	--
Phosphorus, Total	--	--	--	--	--	--	--	10.6
Turbidity	--	--	--	--	--	--	--	8.0

	MW7D		MW8D	MW9D		MW10D		MW11D
	10/01/93	12/01/93	11/30/93	09/30/93	12/02/93	10/01/93	12/01/93	11/30/93
Acidity as CaCO3	<5	--	--	<5	--	<5	--	--
Total Alkalinity as CaCO3	2540	3220	--	1800	1910	743	2750	--
Alkalinity, Phenolphthalein as CaCO3	--	<1	--	--	<1	--	<1	--
Biochemical Oxygen Demand (5-day)	2880	--	--	920	--	215	--	--
Cation-Anion Balance, %	--	96.91	--	--	61.46	--	61.68	--
Chloride	2790	4680	--	1530	1370	1000	1620	--
Chemical Oxygen Demand	5120	--	--	2080	--	858	--	--
Total Hardness as CaCO3	101	--	--	1310	--	454	--	--
Ammonia Nitrogen	--	1440	1500	--	892	--	95.2	118
Nitrite	--	<0.05	--	--	0.73	--	0.05	--
Nitrate	--	<0.05	--	--	1.46	--	<0.05	--
Oil and Grease	10.6	--	--	4.31	--	2.26	--	--
Sulfate	371	616	--	1910	2380	1170	990	--
Specific Gravity @4oC	1.006	--	--	1.002	--	1.001	--	--
Sulfide, total	9.3	--	--	11.2	--	0.1	--	--
Total Dissolved Solids	1770	--	--	3040	--	1860	--	--
Total Organic Carbon	1170	--	--	582	--	246	--	--
Suspended Solids, total	9	--	--	157	--	13	--	--
Phosphorus, Total	--	2.37	--	--	5.52	--	2.75	--
Turbidity	--	1.2	--	--	16.0	--	4.4	--

-- Not analyzed.

.013

05/26/94

TABLE 4.3-12 (cont.)

GROUNDWATER QUALITY DATA
SAND AQUIFER DEEP MONITORING WELL SAMPLES
GENERAL PARAMETERS

(concentrations in mg/L, unless noted otherwise)

	MW12D		MW13D		MW14D	MW15D
	09/30/93	11/30/93	11/30/93 Sample	11/30/93 Duplicate	11/30/93	11/30/93
Acidity as CaCO3	<1	--	--	--	--	--
Total Alkalinity as CaCO3	396	384	--	--	--	--
Alkalinity, Phenolphthalein as CaCO3	--	<1	--	--	--	--
Biochemical Oxygen Demand (5-day)	55	--	--	--	--	--
Cation-Anion Balance, %	--	14.63	--	--	--	--
Chloride	296	261	--	--	--	--
Chemical Oxygen Demand	109	--	--	--	--	--
Total Hardness as CaCO3	632	--	--	--	--	--
Ammonia Nitrogen	--	65.1	1220	1140	12.3	90.0
Nitrite	--	<0.05	--	--	--	--
Nitrate	--	<0.05	--	--	--	--
Oil and Grease	<0.05	--	--	--	--	--
Sulfate	357	463	--	--	--	--
Specific Gravity @4oC	1.003	--	--	--	--	--
Sulfide, total	0.4	--	--	--	--	--
Total Dissolved Solids	1400	--	--	--	--	--
Total Organic Carbon	42.8	--	--	--	--	--
Suspended Solids, total	21	--	--	--	--	--
Phosphorus, Total	--	0.95	--	--	--	--
Turbidity	--	57.5	--	--	--	--

	PW1
	11/05/93
Acidity as CaCO3	<1
Total Alkalinity as CaCO3	1140
Alkalinity, Phenolphthalei as CaCO3	70
Biochemical Oxygen Demand (5-day)	940
Cation-Anion Balance, %	58.01
Chloride	896
Chemical Oxygen Demand	1330
Total Hardness as CaCO3	478
Ammonia Nitrogen	521
Nitrate	<0.05
Nitrite	<0.05
Oil and Grease	2.89
Phosphorus, Total	6.74
Specific Gravity @4oC	1.004
Sulfate	6.5
Total Dissolved Solids	1090
Total Organic Carbon	388
Sulfide, total	10.8
Suspended Solids, total	162
Turbidity	440

-- Not analyzed.

.013

05/26/94

TABLE 4.3-13

GROUNDWATER QUALITY DATA
TEMPORARY WELL POINT SAMPLES
FIELD PARAMETERS

	SB51HP	SB52HP	SB53HP
	09/16/93	09/16/93	09/16/93
Temperature, oC	--	--	--
Specific Conductance,umhos/cm @ 25oC (1)	1090	728	2720
Redox, mV	--	--	--
pH, standard units (1)	8.3	8.6	8.4
Dissolved Oxygen, mg/L	--	--	--

-- Not measured.
1 Measured at the laboratory.
.013
01/24/94

TABLE 4.3-14

GROUNDWATER QUALITY DATA
TEMPORARY WELL POINT SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	SB51HP		SB52HP	SB53HP
	09/16/93 Sample	09/16/93 Duplicate*	09/16/93	09/16/93
Arsenic, total	284	264	892	150
Arsenic III	159	--	512	30.4
Arsenic V	86.0	--	452	59.4
Cyanide, total	8.5 UJ	2.5 UJ	413 J	1030 J
Amenable Cyanide	--	--	--	--
Thiocyanate	--	--	--	--
Cyanide, WAD	--	--	--	--
Aluminum	--	--	--	--
Antimony	--	--	--	--
Barium	--	--	--	--
Beryllium	--	--	--	--
Cadmium	8.0	5.9	7.0	5.1
Calcium	--	--	--	--
Chromium, total	--	--	--	--
Cobalt	--	--	--	--
Copper	--	--	--	--
Iron	--	--	--	--
Lead	109	58.2	118	93.6
Magnesium	--	--	--	--
Manganese	--	--	--	--
Mercury	0.26	0.13 U	0.24	0.19 U
Nickel	--	--	--	--
Potassium	--	--	--	--
Selenium	20.9 UJ	20.9 UJ	2.1 UJ	2.1 UJ
Silver	--	--	--	--
Sodium	--	--	--	--
Thallium	--	--	--	--
Vanadium	--	--	--	--
Zinc	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered acceptable and usable.
U Not detected.
* Analysis of arsenic III and V was not requested.

3,.004
03/27/94

TABLE 4.3-15

GROUNDWATER QUALITY DATA
TEMPORARY WELL POINT SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	SB51HP		SB52HP	SB53HP
	09/16/93 Sample	09/16/93 Duplicate	09/16/93	09/16/93
BETX COMPOUNDS				
Benzene	45	49	10 U	10 U
Ethyl Benzene	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U
Xylenes	10 U	10 U	10 U	10 U
Sum of BETX	45	49	ND	ND
CHLORINATED COMPOUNDS				
Bromodichloromethane	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U
Chloromethane	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U
Chlorodibromomethane	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U
1,1-Dichloroethylene	10 U	10 U	10 U	10 U
1,2-Dichloroethylene	4 J	4 J	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U
Cis-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U
Trans-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	11	10 U	10 U
Styrene	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U
Tetrachloroethylene	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U
Trichloroethylene	10 U	2 J	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
OTHER COMPOUNDS				
Acetone	16	17 J	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Carbondisulfide	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Methyl Ethyl Ketone	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone	10 U	10 U	10 U	10 U

ND Not detected.

J Associated value is qualified as an estimate. The value is considered acceptable and usable.

U Not detected. Note that the laboratory would have reported, with a J qualifier any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

3,.004

01/24/94

TABLE 4.3-16

GROUNDWATER QUALITY DATA
TEMPORARY WELL POINT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	SB51HP		SB52HP	SB53HP
	09/16/93 Sample	09/16/93 Duplicate	09/16/93	09/16/93
CARCINOGENIC COMPOUNDS				
Benzo(a)anthracene	50 U	50 U	1.785 U	1.785 U
Benzo(b)fluoranthene	50 U	50 U	2.409 U	2.409 U
Benzo(k)fluoranthene	50 U	50 U	1.918 U	1.918 U
Benzo(a)pyrene	50 U	50 U	2.213 U	2.213 U
Carbazole	50 U	50 U	1.648 U	1.648 U
Chrysene	50 U	50 U	1.925 U	1.925 U
Dibenzo(ah)anthracene	50 U	50 U	1.943 U	1.943 U
Indeno(1,2,3,cd)pyrene	50 U	50 U	2.205 U	2.205 U
Sum of Carcinogens	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS				
Acenaphthene	50 U	50 U	1.487 U	1.487 U
Acenaphthylene	50 U	50 U	1.476 U	1.476 U
Anthracene	50 U	50 U	1.595 U	1.595 U
Benzo(ghi)perylene	50 U	50 U	1.992 U	1.992 U
Dibenzofuran	50 U	50 U	1.404 U	1.404 U
Fluoranthene	50 U	50 U	1.477 U	1.477 U
Fluorene	50 U	50 U	1.442 U	1.442 U
2-Methylnaphthalene	50 U	50 U	1.385 U	1.385 U
Naphthalene	50 U	50 U	1.356 U	1.356 U
Phenanthrene	50 U	50 U	1.554 U	1.554 U
Pyrene	50 U	50 U	1.814 U	1.814 U
Sum of Non-Carcinogens	ND	ND	ND	ND
Sum of Total PAH Compounds	ND	ND	ND	ND
PHENOLIC COMPOUNDS				
4-Chloro-3-methylphenol	--	--	--	--
2-Chlorophenol	--	--	--	--
o-Cresol	770	760	330	1.705 U
p-Cresol	2200	1900	1.643 U	1.643 U
2,4-Dimethylphenol	250	230	1.298 U	1.298 U
2,4-Dinitrophenol	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--
2-Nitrophenol	--	--	--	--
4-Nitrophenol	--	--	--	--
Pentachlorophenol	--	--	--	--
Phenol	3400	3200	1.296 U	1.296 U
2,4,5-Trichlorophenol	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--

-- Not analyzed.
ND Not detected.
U Not detected.
3,.004
01/24/94

TABLE 4.3-17

GROUNDWATER QUALITY DATA
TEMPORARY WELL POINT SAMPLES
GENERAL PARAMETERS

(concentrations in mg/L, unless noted otherwise)

	SB51HP	SB52HP	SB53HP
	09/16/93	09/16/93	09/16/93
Acidity as CaCO3	--	--	--
Total Alkalinity as CaCO3	--	--	--
Alkalinity, Phenolphthalein as CaCO3	--	--	--
Biochemical Oxygen Demand (5-day)	--	--	--
Cation-Anion Balance, %	--	--	--
Chloride	--	--	--
Chemical Oxygen Demand	--	--	--
Total Hardness as CaCO3	--	--	--
Ammonia Nitrogen	62.8	100	107
Nitrate	--	--	--
Nitrite	--	--	--
Oil and Grease	--	--	--
Phosphorus, Total	--	--	--
Specific Gravity @4oC	--	--	--
Sulfate	--	--	--
Total Dissolved Solids	--	--	--
Total Organic Carbon	--	--	--
Sulfide, total	--	--	--
Suspended Solids, total	--	--	--
Turbidity	--	--	--

-- Not analyzed.

.041

01/26/94

TABLE 4.4-1

SURFACE WATER FIELD PARAMETER MEASUREMENTS*

August 31, 1993

LOCATION	DEPTH (Ft.)	PARAMETER				
		pH	DO (mg/L)	SPECIFIC CONDUCTANCE (μmohs/cm)	Eh (mv)	TEMP. (°F)
SW01	S	7.57	7.33	284	184	65.5
	3	7.56	7.32	284	187	65.5
	6	7.55	7.34	284	190	65.3
SW02	S	7.75	7.30	282	204	65.8
	3	7.77	7.34	284	204	65.5
	6	7.76	7.40	282	206	65.1
SW03	S	7.79	7.32	286	215	64.4
	3	7.75	7.31	282	217	64.4
	6	7.73	7.35	286	218	64.0
	9	7.80	8.56	282	212	60.4
SW04	S	7.65	7.40	284	196	65.5
	3	7.67	7.39	282	196	65.5
	6	7.68	7.37	284	197	65.5
	9	7.68	7.36	282	198	65.5
	12	7.69	7.36	280	201	63.3
SW05	S	7.75	7.36	284	199	65.7
	3	7.74	7.40	284	200	65.7
	6	7.74	7.36	284	201	65.7
	9	7.74	7.40	284	202	65.5
SW06	S	7.73	7.16	286	219	64.9
	3	7.72	7.09	284	219	64.8
	6	7.72	6.99	286	220	63.1
	9	7.74	7.59	286	222	59.4
	12	7.72	7.73	286	224	57.4
SW07	S	7.68	7.21	282	217	65.3
	3	7.70	7.25	286	217	64.9
	6	7.71	7.26	284	218	64.6
	9	7.74	7.43	284	218	62.6
	12	7.73	7.46	282	222	61.3
	15	7.72	7.49	286	224	60.3
	18	7.71	7.78	284	227	58.3

TABLE 4.4-1 (Cont.)

SURFACE WATER FIELD PARAMETER MEASUREMENTS*

August 31, 1993

LOCATION	DEPTH (Ft.)	PARAMETER				
		pH	DO (mg/L)	SPECIFIC CONDUCTANCE (μmohs/cm)	Eh (mv)	TEMP. (°F)
SW08	S	7.67	6.78	288	226	64.9
	3	7.65	6.76	290	227	64.6
	6	7.64	6.79	292	227	64.0
	9	7.62	6.95	294	228	62.8
	12	7.61	7.33	294	226	61.5
	15	7.60	7.37	288	225	61.5
SW09	S	7.54	6.73	294	229	65.7
	3	7.54	6.75	296	228	64.8
	6	7.53	6.71	300	227	62.8
	9	7.49	6.74	296	222	62.6
SW10	S	7.50	5.87	296	193	62.6
	3	7.43	5.79	298	171	62.6
	6	7.30	5.75	298	138	62.6
	9	7.26	5.81	298	126	62.6
	12	7.23	5.82	302	120	62.6
	15	7.21	5.80	298	114	62.6
SW11	S	7.31	6.70	296	171	63.1
	3	7.29	6.59	298	165	62.4
	6	7.25	6.52	296	150	62.1
	9	7.23	6.59	296	146	61.9
	12	7.20	6.73	296	144	61.7
	15	7.21	6.78	294	145	60.8
SW12	S	7.31	6.78	290	165	64.8
	3	7.37	7.55	290	163	62.4
	6	7.39	7.93	288	164	61.5
	9	7.39	7.70	290	168	61.3

S = Surface water; conductivity corrected to 25°C.

*In situ field parameter readings taken with a YSI Model 3800.

TABLE 4.4-2

SURFACE WATER QUALITY DATA
SURFACE WATER SAMPLES
FIELD PARAMETERS

	SW01D	SW02D	SW03D	SW04S	SW04D	SW05S	SW05D	SW06S
	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93
Specific Conductance,umhos/cm @ 25oC	259	260	240	239	258	243	223	244
Redox, mV	-25	-22	-20	-15	-20	-16	-14	-20
pH, standard units	7.1	7.0	7.0	7.0	7.0	7.0	7.1	7.0
Dissolved Oxygen, mg/L	8.1	8.5	9.0	8.5	7.8	8.7	8.0	8.5

	SW06D	SW07S	SW07D	SW08S	SW08D	SW09S	SW09D	SW10S
	08/30/93	08/30/93	08/30/93	08/31/93	08/31/93	08/31/93	08/31/93	08/31/93
Specific Conductance,umhos/cm @ 25oC	227	227	227	224	248	249	242	242
Redox, mV	-10	-22	-42	-1.5	+0.7	-3.0	-0.7	+2.7
pH, standard units	7.1	7.1	7.3	7.0	7.0	7.0	6.9	7.0
Dissolved Oxygen, mg/L	8.0	8.2	8.0	8.7	9.2	8.3	9.0	8.8

	SW10D	SW11S	SW11D	SW12S	SW12D
	08/31/93	08/31/93	08/31/93	08/31/93	08/31/93
Specific Conductance,umhos/cm @ 25oC	254	256	242	208	220
Redox, mV	+2.7	+22	+118	-21	-27
pH, standard units	6.9	7.1	6.7	7.1	7.2
Dissolved Oxygen, mg/L	8.2	9.0	9.1	8.9	9.5

3,.005
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TABLE 4.4-3

SURFACE WATER QUALITY DATA
SURFACE WATER SAMPLES
INORGANIC PARAMETERS

(concentrations in ug/L)

	SW01D	SW02D	SW03D	SW04S	SW04D	SW05S	SW05D	SW06S
	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93 Sample
Arsenic, total	1.4 U	1.4 U	1.4 U	1.4 U	1.6 B	1.4 B	1.4 U	1.4 U
Arsenic III	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Arsenic V	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Cyanide, total	3.3 U	0.96 U	0.96 U	1.5 U	0.96 U	0.96 U	3.2 U	0.96 U
Amenable Cyanide	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Thiocyanate	<100	<100	<100	<100	<100	<100	<100	<100
Cyanide, WAD	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	3.4 B	2.9 U	5.3	2.9 U	2.9 U	2.9 U	3.4 B	2.9 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	1.4 B	1.2 U	1.2 U	1.2 U	1.6 B	1.2 B	1.2 U	1.2 U
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.24	0.20 U	0.16 U	0.21	0.17 U	0.14 U	0.12 U	0.18 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.

B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

U Not detected.

.045

03/27/94

TABLE 4.4-3 (cont.)

SURFACE WATER QUALITY DATA
SURFACE WATER SAMPLES
INORGANIC PARAMETERS

(concentrations in ug/L)

	SW06S	SW06D	SW07S	SW07D	SW08S	SW08D	SW09S	SW09D
	08/30/93 Duplicate	08/30/93	08/30/93	08/30/93	08/31/93	08/31/93	08/31/93	08/31/93
Arsenic, total	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.6 B
Arsenic III	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Arsenic V	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Cyanide, total	2.8 U	0.96 U	4.8 U	1.6 U	5.6 U	2.2 U	0.96 U	1.4 U
Amenable Cyanide	<5.0	<5.0	<5.0	<5.0	<25.0	<5.0	<5.0	<5.0
Thiocyanate	<100	<100	<100	<100	<100	<100	<100	<100
Cyanide, WAD	<5.0	<5.0	<5.0	<5.0	<25.0	<5.0	<5.0	<5.0
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	4.4 B	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Calcium	--	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	1.2 U	1.2 U	2.2 B	1.6 B	1.5 B	1.5 B	2.0 B	3.7
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	0.15 U	0.13 U	0.15 U	0.12 U	0.05 U	0.04 U	0.05 U	0.07 U
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.5 B
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
U Not detected.
.045
03/27/94

TABLE 4.4-3 (cont.)

SURFACE WATER QUALITY DATA
SURFACE WATER SAMPLES
INORGANIC PARAMETERS

(concentrations in ug/L)

	SW10S	SW10D	SW11S	SW11D		SW12S	SW12D
	08/31/93	08/31/93	08/31/93	08/31/93 Sample	08/31/93 Duplicate	08/31/93	08/31/93
Arsenic, total	2.4 B	2.4 B	1.5 B	2.1 B	3.0 B	2.0 B	2.7 B
Arsenic III	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Arsenic V	5.6 B	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Cyanide, total	2.3 U	2.1 U	7.9 U	2.7 U	2.7 U	0.96 U	13.3 U
Amenable Cyanide	<5.0	<5.0	<25.0	<5.0	<5.0	<5.0	<25.0
Thiocyanate	<100	<100	<100	<100	<100	<100	<100
Cyanide, WAD	<5.0	<5.0	<25.0	<5.0	<5.0	<5.0	<25.0
Aluminum	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--
Cadmium	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Calcium	--	--	--	--	--	--	--
Chromium, total	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--
Lead	3.7	3.3	2.6 B	3.2	2.0 B	1.2 U	1.2 B
Magnesium	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--
Mercury	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.05 U
Nickel	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--
Selenium	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Silver	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
U Not detected.

.045
03/27/94

TABLE 4.4-4

SURFACE WATER QUALITY DATA
SURFACE WATER SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	SW01D	SW02D	SW03D	SW04S	SW04D	SW05S	SW05D	SW06S
	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93 Sample
BETX COMPOUNDS								
Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethyl Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U
Xylenes	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sum of BETX	ND	ND	ND	ND	1 a	ND	ND	ND
CHLORINATED COMPOUNDS								
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorodibromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethylene	5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
OTHER COMPOUNDS								
Acetone	9 J	8 J	7 J	10 U	7 J	8 J	10 U	7 J
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbondisulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Ethyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.4-4 (cont.)

SURFACE WATER QUALITY DATA
SURFACE WATER SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	SW06S	SW06D	SW07S	SW07D	SW08S	SW08D	SW09S	SW09D
	08/30/93 Duplicate	08/30/93	08/30/93	08/30/93	08/31/93	08/31/93	08/31/93	08/31/93
BETX COMPOUNDS								
Benzene	10 U	10 U	10 U	10 U	7 J	3 J	7 J	3 J
Ethyl Benzene	10 U	10 U	10 U	10 U	2 J	10 U	1 J	10 U
Toluene	10 U	10 U	10 U	10 U	25	11	22	11
Xylenes	10 U	10 U	10 U	10 U	18	7 J	16	8 J
Sum of BETX	ND	ND	ND	ND	52 a	21 a	46 a	22 a
CHLORINATED COMPOUNDS								
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorodibromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U	2 J	7 J	1 J	2 J
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
OTHER COMPOUNDS								
Acetone	10 U	10 U	18	10 U	12 J	14 J	10 U	12 J
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbondisulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Ethyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.4-4 (cont.)

SURFACE WATER QUALITY DATA
SURFACE WATER SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	SW10S	SW10D	SW11S	SW11D		SW12S	SW12D
	08/31/93	08/31/93	08/31/93	08/31/93 Sample	08/31/93 Duplicate	08/31/93	08/31/93
BETX COMPOUNDS							
Benzene	21	17	5 J	4 J	4 J	2 J	3 J
Ethyl Benzene	12	9 J	2 J	2 J	2 J	10 U	10 U
Toluene	85	68	18	16	15	7 J	8 J
Xylenes	63	51	13	11	11	4 J	5 J
Sum of BETX	181	145 a	38 a	33 a	32 a	13 a	16 a
CHLORINATED COMPOUNDS							
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorodibromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,3-Dichloro-1-propene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	1 J	2 J	10 U	10 U
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
OTHER COMPOUNDS							
Acetone	10 U	10 U	10 U	10 U	10 U	5 J	10 U
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbondisulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Ethyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U

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a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

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TABLE 4.4-5

SURFACE WATER DATA
SURFACE WATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	SW01D	SW02D	SW03D	SW04D	SW04S	SW05D	SW05S	SW06D
	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Benzo(b)fluoranthene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Benzo(k)fluoranthene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Benzo(a)pyrene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Carbazole	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Chrysene	0.00600 U	0.00600 U	0.00600 U	0.00600 U	0.00600 U	0.00600 U	0.00600 U	0.00600 U
Dibenzo(ah)anthracene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Indeno(1,2,3,cd)pyrene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Sum of Carcinogens	ND	ND	ND	ND	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Acenaphthylene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Anthracene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Benzo(ghi)perylene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Dibenzofuran	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Fluoranthene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00328	0.00469	0.00747
Fluorene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
2-Methylnaphthalene	0.00300 U	0.00387 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Naphthalene	0.00753 U	0.01000 U	0.00507 U	0.00400 U	0.00523 U	0.00475 U	0.00561 U	0.00659 U
Phenanthrene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00358
Pyrene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00304	0.00343	0.00454
Sum of Non-Carcinogens	ND	ND	ND	ND	ND	0.00632	0.00812	0.0156
Sum of Total PAH Compounds	ND	ND	ND	ND	ND	0.00632	0.00812	0.0156
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U
p-Cresol	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U
2,4-Dimethylphenol	1.298 U	1.298 U	1.298 U	1.298 U	1.298 U	1.298 U	1.298 U	1.298 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	1.296 U	1.296 U	1.296 U	1.296 U	1.296 U	1.296 U	1.296 U	1.296 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
.012
01/25/94

TABLE 4.4-5 (cont.)

SURFACE WATER DATA
SURFACE WATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	SW06S		SW07D	SW07S	SW08D	SW08S	SW09D	SW09S
	08/30/93 Sample	08/30/93 Duplicate	08/30/93	08/30/93	08/31/93	08/31/93	08/31/93	08/31/93
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00393	0.00617	0.00300 U	0.00606
Benzo(b)fluoranthene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00413	0.00647	0.00300 U	0.00623
Benzo(k)fluoranthene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00495	0.00300 U	0.00381
Benzo(a)pyrene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00435	0.00659	0.00300 U	0.00576
Carbazole	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Chrysene	0.00600 U	0.00600 U	0.00600 U	0.00600 U	0.00664 c	0.0103	0.00600 U	0.00929 c
Dibenzo(ah)anthracene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Indeno(1,2,3,cd)pyrene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00436	0.00300 U	0.00349
Sum of Carcinogens	ND	ND	ND	ND	0.0190	0.0285	ND	0.0346
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Acenaphthylene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Anthracene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Benzo(ghi)perylene	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00326	0.00506	0.00300 U	0.00415
Dibenzofuran	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Fluoranthene	0.00300 U	0.00300 U	0.00405	0.00964	0.0109	0.0283	0.00457	0.0186
Fluorene	0.00300 U	0.00300 U	0.00300 U	0.00312	0.00300 U	0.00300 U	0.00300 U	0.00316
2-Methylnaphthalene	0.00300 U	0.00383 U	0.00540 U	0.0190 U	0.00474 U	0.00489 U	0.00312 U	0.00563 U
Naphthalene	0.00400 U	0.00829 U	0.00982 U	0.0407 U	0.00759 U	0.00882 U	0.00541 U	0.00835 U
Phenanthrene	0.00300 U	0.00313 U	0.00512 U	0.00741 U	0.00300 U	0.00430 U	0.00300 U	0.00397 U
Pyrene	0.00300 U	0.00300 U	0.00300 U	0.00576	0.00953	0.0260	0.00403	0.0156
Sum of Non-Carcinogens	ND	ND	0.00405	0.0185	0.0237	0.0594	0.00860	0.0415
Sum of Total PAH Compounds	ND	ND	0.00405	0.00185	0.0427	0.0879	0.00860	0.0762
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	1.705 UJ	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U
p-Cresol	1.643 UJ	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U
2,4-Dimethylphenol	1.298 UJ	1.298 U	1.298 U	1.298 U	1.298 U	1.298 U	1.298 U	1.298 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	1.296 UJ	1.296 U	1.296 U	1.296 U	1.296 U	1.296 U	1.296 U	1.296 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
c Coelutes with triphenylene. Concentration reported as chrysene.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
.012
01/25/94

TABLE 4.4-5 (cont.)

SURFACE WATER DATA
SURFACE WATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	SW10D	SW10S	SW11D		SW11S	SW12D	SW12S
	08/31/93	08/31/93	08/31/93 Sample	08/31/93 Duplicate	08/31/93	08/31/93	08/31/93
CARCINOGENIC COMPOUNDS							
Benzo(a)anthracene	0.0840 U	0.0840 U	0.00635	0.00360	0.00447	0.00300 U	0.00312
Benzo(b)fluoranthene	0.0840 U	0.0840 U	0.00670	0.00438	0.00357	0.00300 U	0.00361
Benzo(k)fluoranthene	0.0840 U	0.0840 U	0.00629	0.00316	0.00452	0.00300 U	0.00300 U
Benzo(a)pyrene	0.0840 U	0.0840 U	0.00847	0.00450	0.00472	0.00300 U	0.00300 U
Carbazole	0.0840 U	0.0840 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Chrysene	0.168 U	0.168 U	0.0104 c	0.00600 U	0.00711 c	0.00600 U	0.00600 U
Dibenzo(ah)anthracene	0.0840 U	0.0840 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Indeno(1,2,3,cd)pyrene	0.0840 U	0.0840 U	0.00676	0.00322	0.00376	0.00300 U	0.00321
Sum of Carcinogens	ND	ND	0.0450	0.0189	0.0282	ND	0.00994
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS							
Acenaphthene	0.0840 U	0.0840 U	0.00300 U	0.00300 U	0.00994	0.00300 U	0.00300 U
Acenaphthylene	0.0840 U	0.0840 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00343
Anthracene	0.0840 U	0.0840 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Benzo(ghi)perylene	0.0840 U	0.0840 U	0.00735	0.00368	0.00426	0.00300 U	0.00629
Dibenzofuran	0.0840 U	0.0840 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U
Fluoranthene	0.0840 U	0.0840 U	0.0229	0.0136	0.0145	0.01000	0.0172
Fluorene	0.0840 U	0.0840 U	0.00413	0.00362	0.00664	0.00300 U	0.00300 U
2-Methylnaphthalene	0.764 U	1.710 U	0.0112 U	0.00700 U	0.00659 U	0.00300 U	0.00375 U
Naphthalene	1.090 U	2.290 U	0.0172 U	0.0123 U	0.0136 U	0.00823 U	0.0102 U
Phenanthrene	0.0840 U	0.0840 U	0.00961 U	0.00478 U	0.00483 U	0.00307 U	0.00447 U
Pyrene	0.0840 U	0.0840 U	0.0205	0.0132	0.0133	0.00876	0.0165
Sum of Non-Carcinogens	ND	ND	0.0549	0.0341	0.0486	0.0188	0.0434
Sum of Total PAH Compounds	ND	ND	0.0998	0.0530	0.0768	0.0188	0.0534
PHENOLIC COMPOUNDS							
4-Chloro-3-methylphenol	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--
o-Cresol	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U	1.705 U
p-Cresol	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U	1.643 U
2,4-Dimethylphenol	1.298 U	1.298 U	1.298 U	1.298 U	1.298 U	1.298 U	1.298 U
2,4-Dinitrophenol	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--
Phenol	1.296 U	1.296 U	1.296 U	1.296 U	1.296 U	1.296 U	1.296 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
c Coelutes with triphenylene. Concentration reported as chrysene.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
.012
01/25/94

TABLE 4.4-6

SURFACE WATER QUALITY DATA
SURFACE WATER SAMPLES
GENERAL PARAMETERS

(concentrations in mg/L, unless noted otherwise)

	SW01D	SW02D	SW03D	SW04S	SW04D	SW05S	SW05D	SW06S
	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93	08/30/93 Sample
Acidity as CaCO3	--	--	--	--	--	--	--	--
Total Alkalinity as CaCO3	--	--	--	--	--	--	--	--
Alkalinity, Phenolphthalein as CaCO3	--	--	--	--	--	--	--	--
Biochemical Oxygen Demand (5-day)	<10	<10	<10	<10	<10	<10	<10	<10
Cation-Anion Balance, %	--	--	--	--	--	--	--	--
Chloride	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	<20	<20	<20	<20	<20	<20	<20	21
Total Hardness as CaCO3	137	135	133	133	133	129	137	131
Ammonia Nitrogen	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrate	--	--	--	--	--	--	--	--
Nitrite	--	--	--	--	--	--	--	--
Oil and Grease	0.10	0.11	<0.06	<0.05	<0.05	<0.06	<0.05	<0.05
Phosphorus, Total	--	--	--	--	--	--	--	--
Specific Gravity @4oC	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--
Total Sulfide	--	--	--	--	--	--	--	--
Suspended Solids, total	9	6	40	<4	36	43	37	29
Turbidity	--	--	--	--	--	--	--	--

	SW06S	SW06D	SW07S	SW07D	SW08S	SW08D	SW09S	SW09D
	08/30/93 Duplicate	08/30/93	08/30/93	08/30/93	08/31/93	08/31/93	08/31/93	08/31/93
Acidity as CaCO3	--	--	--	--	--	--	--	--
Total Alkalinity as CaCO3	--	--	--	--	--	--	--	--
Alkalinity, Phenolphthalein as CaCO3	--	--	--	--	--	--	--	--
Biochemical Oxygen Demand (5-day)	<10	<10	<10	<10	<10	<10	<10	<10
Cation-Anion Balance, %	--	--	--	--	--	--	--	--
Chloride	--	--	--	--	--	--	--	--
Chemical Oxygen Demand	30	27	<20	<20	27	95	24	34
Total Hardness as CaCO3	131	131	129	139	138	136	140	140
Ammonia Nitrogen	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrate	--	--	--	--	--	--	--	--
Nitrite	--	--	--	--	--	--	--	--
Oil and Grease	<0.05	<0.05	<0.05	<0.06	0.07	<0.06	0.09	0.10
Phosphorus, Total	--	--	--	--	--	--	--	--
Specific Gravity @4oC	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--
Total Sulfide	--	--	--	--	--	--	--	--
Suspended Solids, total	29	32	35	34	<4	6	<4	20
Turbidity	--	--	--	--	--	--	--	--

-- Not analyzed.

.067

01/25/94

TABLE 4.4-6 (cont.)

SURFACE WATER QUALITY DATA
SURFACE WATER SAMPLES
GENERAL PARAMETERS

(concentrations in mg/L, unless noted otherwise)

	SW10S	SW10D	SW11S	SW11D		SW12S	SW12D
	08/31/93	08/31/93	08/31/93	08/31/93	08/31/93	08/31/93	08/31/93
	30	30	30	Sample	Duplicate		
Acidity as CaCO3	--	--	--	--	--	--	--
Total Alkalinity as CaCO3	--	--	--	--	--	--	--
Alkalinity, Phenolphthalein as CaCO3	--	--	--	--	--	--	--
Biochemical Oxygen Demand (5-day)	<10	<10	<10	<10	<10	<10	<10
Cation-Anion Balance, %	--	--	--	--	--	--	--
Chloride	--	--	--	--	--	--	--
Chemical Oxygen Demand	34	37	34	27	24	37	34
Total Hardness as CaCO3	142	138	144	136	138	134	144
Ammonia Nitrogen	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrate	--	--	--	--	--	--	--
Nitrite	--	--	--	--	--	--	--
Oil and Grease	0.17	0.15	0.08	0.07	0.13	<0.06	<0.06
Phosphorus, Total	--	--	--	--	--	--	--
Specific Gravity @4oC	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--
Total Sulfide	--	--	--	--	--	--	--
Suspended Solids, total	15	10	4	5	7	<4	7
Turbidity	--	--	--	--	--	--	--

-- Not analyzed.
.067
01/25/94

TABLE 4.5-1

APPROXIMATE AREAS OF SURFACE FEATURES

ECOLOGICAL FEATURE	% OF PROJECT SITE	NUMBER OF ACRES
Old Field Community	47	16.9
Lawn	5	1.8
Subtotal Vegetated Area	(52)	(18.7)
Buildings	2	0.7
Asphalt	9	3.1
Larsen Marine Boat and Rack Storage	20	7.3
Stockpiled Dredge Spoils Area	11	3.9
Covered Contaminated Soils Stockpile	2	0.8
Surface Water - New Slip	4	1.5
Subtotal Nonvegetated Area	(48)	(17.3)
TOTAL	100	36.0

TABLE 4.6-1

GENERAL REMEDIATION EVALUATION SAMPLES SUBMITTED FOR ANALYSIS

PARAMETERS ANALYZED	SAMPLE NO.	DATE COLLECTED	DEPTH (ft)	FIELD DUPLICATE	SOIL TYPE	COMMENTS
Corrosivity and Reactivity	GS08	08/31/93	0 - 0.5		Silty sand	
	TT 2502	10/06/93	2.0	M21	Fill	
	SB 0903	08/25/93	4.5 - 6.5		Poorly graded sand with silt, silt	
	SB 2302	10/05/93	2.0 - 4.0		Silty sand fill	
	SB 2402	09/28/93	2 - 4		Silty sand fill	
	SB 3402	10/06/93	2 - 4		Silty sand fill	
	SB 3502	09/21/93	2 - 4		Poorly graded sand fill	
Grain Size Distribution	PW-1	08/30/93	7 - 9		Poorly graded sand with silt	Pumping test well
	PW-1	08/30/93	9.5 - 14.0		Poorly graded sand	Pumping test well
	PW-1	08/30/93	14.5 - 19.0		Poorly graded sand	Pumping test well
	PW-1	08/30/93	19.5 - 24.0		Poorly grade sand with silt	Pumping test well
	PW-1	08/31/93	24.5 - 29.0		Poorly graded sand with silt	Pumping test well
	SB 2106	10/01/93	12 - 14		Poorly graded sand	
	SB 2112	10/01/93	27 - 29		Poorly graded sand with silt, silty sand	Base of sand unit
	SB 2114	10/01/93	32 - 34		Lean clay	
	SB 2115	10/01/93	34.5 - 36.5		Lean clay	
	SB 3012	10/05/93	27 - 29		Poorly graded sand	

TABLE 4.6-1 (Cont.)

GENERAL REMEDIATION EVALUATION SAMPLES SUBMITTED FOR ANALYSIS

PARAMETERS ANALYZED	SAMPLE NO.	DATE COLLECTED	DEPTH (ft)	FIELD DUPLICATE	SOIL TYPE	COMMENTS
Grain Size Distribution (Cont.)	SB 3017	10/05/93	40 - 41.5		Poorly graded sand with silt	Base of sand unit
	SB 3206	09/13/93	12 - 14		Poorly graded sand	
	SB 3211	09/13/93	24.5 - 26.5		Poorly graded sand with silt	
	SB 3306	09/15/93	12 - 14		Poorly graded sand	
	SB 3310	09/15/93	22 - 24		Poorly graded sand with silt	
	SB 4103	09/16/93	4.5 - 6.5		Poorly graded sand	
	SB 4106	09/16/93	12 - 14		Poorly graded sand with silt	
	SB 4110	09/16/93	22 - 24		Silty sand	
	SB 4406	09/20/93	12 - 14		Poorly graded sand	
	SB 4411	09/20/93	24.5 - 26.5		Poorly graded sand with silt	Base of sand unit
	SB 4415	09/20/93	36 - 37.2		Lean clay	
	SB 4609	10/07/93	19.5 - 21.5		Poorly graded sand	
	SB 4612	10/07/93	27.0 - 29.0		Silty sand	
	SB 4806	09/22/93	12 - 14		Poorly graded sand	
	SB 4812	09/22/93	27 - 29		Poorly graded sand with silt	Base of sand unit
	SB 4815	09/22/93	34.5 - 35.4		Lean clay	

TABLE 4.6-1 (Cont.)

GENERAL REMEDIATION EVALUATION SAMPLES SUBMITTED FOR ANALYSIS

PARAMETERS ANALYZED	SAMPLE NO.	DATE COLLECTED	DEPTH (ft)	FIELD DUPLICATE	SOIL TYPE	COMMENTS
Atterberg Limits	SB 2114	10/01/93	32 - 34		Lean clay	
	SB 2115	10/01/93	34.5 - 36.2		Lean clay	
	SB 4415	09/20/93	36 - 37.5		Lean clay	
	SB 4815	09/22/93	34.5 - 35.4		Lean clay	
Porosity	SB 2106	10/01/93	12 - 14		Poorly graded sand	
	SB 2112	10/01/93	27 - 29		Poorly graded sand with silt, silty sand	Base of sand unit
	SB 2114	10/01/93	32 - 34		Lean clay	
	SB 2115	10/01/93	34.5 - 36.5		Lean clay	
	SB 4406	09/20/93	12 - 14		Poorly graded sand	
	SB 4411	09/20/93	24.5 - 26.5		Poorly graded sand with silt	Base of sand unit
	SB 4415	09/20/93	36 - 37.2		Lean clay	
	SB 4806	09/22/93	12 - 14		Poorly graded sand	
	SB 4812	09/22/93	27 - 29		Poorly graded sand with silt	Base of sand unit
	SB 4815	09/22/93	34.5 - 35.4		Lean clay	

TABLE 4.6-1 (Cont.)

GENERAL REMEDIATION EVALUATION SAMPLES SUBMITTED FOR ANALYSIS

PARAMETERS ANALYZED	SAMPLE NO.	DATE COLLECTED	DEPTH (ft)	FIELD DUPLICATE	SOIL TYPE	COMMENTS
Total Organic Carbon Cation Exchange Capacity	SB 2106	10/01/93	12 - 14		Poorly graded sand	
	SB 2116	10/01/93	36.5 - 38.5		Lean clay	
	SB 4406	09/20/93	12 - 14		Poorly graded sand	
	SB 4411	09/20/93	24.5 - 26.5		Poorly graded sand with silt	Base of sand unit
	SB 4413	09/20/93	29.5 - 31.5		Lean clay	
	SB 4806	09/22/93	12 - 14		Poorly graded sand	
	SB 4812	09/22/93	27 - 29		Poorly graded sand with silt	Base of sand unit
	SB 4816	09/22/93	37 - 39		Lean clay	
Vertical Permeability	SB 2114	10/01/93	32 - 34		Lean clay	Falling head
	SB 4406	09/20/93	12 - 14		Poorly graded sand	Constant head
	SB 4411	09/20/93	24.5 - 26.5		Poorly graded sand with silt	Constant head Base of sand unit
	SB 4415	09/20/93	36.0 - 37.2		Lean clay	Falling head
	SB 4806	09/22/93	12 - 14		Poorly graded sand	Constant head
	SB 4812	09/22/93	27 - 29		Poorly graded sand with silt	Constant head Base of sand unit
	SB 4815	09/22/93	34.5 - 35.4		Lean clay	Falling head

TABLE 4.6-1 (Cont.)

GENERAL REMEDIATION EVALUATION SAMPLES SUBMITTED FOR ANALYSIS

PARAMETERS ANALYZED	SAMPLE NO.	DATE COLLECTED	DEPTH (ft)	FIELD DUPLICATE	SOIL TYPE	COMMENTS
TCLP	TT 0604	03/09/92	2.5		Coal	
	TT 2401	10/07/93	4.5		Tar-saturated sand	
	TT 2402	10/07/93	0.5		Tar	
	TT 2504	10/06/93	4.0		Fill	
	TT 2601	10/08/93	2.5		Fill	
Gross Heating Value and Flashpoint	TT 2402	10/07/93	0.5		Tar	
	TT 2504	10/06/93	4.0		Fill	
	TT 2603	10/08/93	3.5		Fill	
Oil and Grease	TT 2402	10/07/93	0.5		Tar	
	TT 2502	10/06/93	2.0	M21	Fill	
	TT 2504	10/06/93	4.0		Fill	
	TT 2603	10/08/93	3.5		Fill	
	TT 2801	10/06/93	5.0	M22	Poorly graded sand	

TABLE 4.6-1 (Cont.)

GENERAL REMEDIATION EVALUATION SAMPLES SUBMITTED FOR ANALYSIS

PARAMETERS ANALYZED	SAMPLE NO.	DATE COLLECTED	DEPTH (ft)	FIELD DUPLICATE	SOIL TYPE	COMMENTS
Sulfate, Sulfide, and Iron	SB 3402	10/06/93	2 - 4		Silty sand fill	
	SB 3408	10/06/93	17 - 19		Poorly graded sand	
	SB 3412	10/06/93	27 - 29		Poorly graded sand with silt	Base of sand unit
	SB 3502	09/21/93	2 - 4		Poorly graded sand fill	
	SB 3504	09/21/93	7 - 9		Poorly graded sand, silty sand	
	SB 3508	09/21/93	17 - 19		Poorly graded sand with silt	
	SB 3512	09/21/93	27 - 29	M7	Poorly graded sand with silt	Base of sand unit
	SB 4402	09/20/93	2 - 4		Silty sand fill	
	SB 4404	09/20/93	7 - 9		Poorly graded sand	
	SB 4406	09/20/93	12 - 14		Poorly graded sand	
	SB 4408	09/20/93	17 - 19		Poorly graded sand	
	SB 4412	09/20/93	27 - 29		Poorly graded sand with silt, poorly graded gravel with silt, lean clay	

TABLE 4.6-1 (Cont.)

GENERAL REMEDIATION EVALUATION SAMPLES SUBMITTED FOR ANALYSIS

PARAMETERS ANALYZED	SAMPLE NO.	DATE COLLECTED	DEPTH (ft)	FIELD DUPLICATE	SOIL TYPE	COMMENTS
Sulfur Bacteria Count	SB 3402	10/06/93	2 - 4		Silty sand fill	
	SB 3404	10/06/93	7 - 9		Poorly graded sand	
	SB 3408	10/06/93	17 - 19		Poorly graded sand with silt	
	SB 3412	10/06/93	27 - 29		Poorly graded sand with silt	Base of sand unit
	SB 3502	09/21/93	2 - 4		Poorly graded sand fill	
	SB 3504	09/21/93	7 - 9		Poorly graded sand, silty sand	
	SB 3508	09/21/93	17 - 19		Poorly graded sand with silt	
	SB 3512	09/21/93	27 - 29	M7	Poorly graded sand with silt	Base of sand unit
	SB 4402	09/20/93	2 - 4		Silty sand fill	
	SB 4404	09/20/93	7 - 9		Poorly graded sand	
	SB 4406	09/20/93	12 - 14		Poorly graded sand	
	SB 4408	09/20/93	17 - 19		Poorly graded sand	
	SB 4412	09/20/93	27 - 29		Poorly graded sand with silt, poorly graded gravel with silt, lean clay	
Molecular Structure	TT 2506	10/06/93	3.0		Industrial pond deposit	Analysis by Fourier transform infrared analysis, x-ray powder diffraction, and emission spectroscopy

TABLE 4.6-2

SOIL QUALITY DATA

GENERAL REMEDIATION EVALUATION ANALYTICAL PARAMETERS

(concentrations in mg/kg, unless noted otherwise)

	TT2402	TT2502		TT2504	TT2603	TT2801		SB0903
	0.5'	2'		4'	3.5'	5'		4.5-6.5'
	10/07/93	10/06/93 Sample	10/06/93 Duplicate	10/06/93	10/08/93	10/06/93 Sample	10/06/93 Duplicate	08/25/93
Corrosivity								
pH, standard units	7.8	7.6	7.8	--	--	--	--	4.7
Reactivity								
Sulfide, total	<5.6	10.4	<4.8	--	--	--	--	<4.8
Cyanide, total	--	27.3 J	26.0 J	--	--	--	--	2.6 J
Total Organic Carbon	--	--	--	--	--	--	--	--
Cation Exchange Capacity, meq/hg	--	--	--	--	--	--	--	--
Gross Heating Value, cal/g	2920	--	--	3760	18	--	--	--
Oil and Grease	2780	--	413	7530	833	1940	2800	--
Flash Point, degrees F	NI	--	--	NI	NI	--	--	--
Sulfate	--	--	--	--	--	--	--	--
Sulfide, total	<5.6	10.4	<4.8	--	--	--	--	<4.8
Iron	--	--	--	--	--	--	--	--

	SB2106	SB2116	SB2302	SB2402	SB3402	SB3408	SB3412	SB3502
	12-14'	37-39'	2-4'	2-4'	2-4'	17-19'	27-29'	2-4'
	10/01/93	10/01/93	10/05/93	09/28/93	10/06/93	10/06/93	10/06/93	09/21/93
Corrosivity								
pH, standard units	--	--	8.1	7.8	6.9	--	--	--
Reactivity								
Sulfide, total	--	--	<5.8	<5.6	30.9	19.2	<4.9	<4.6
Cyanide, total	--	--	0.15 U	32.5 J	29.4 J	1.7 BJ	0.59 UJ	0.49 U
Total Organic Carbon	28200	57600	--	--	--	--	--	--
Cation Exchange Capacity, meq/hg	0.7	4.2	--	--	--	--	--	--
Gross Heating Value, cal/g	--	--	--	--	--	--	--	--
Oil and Grease	--	--	--	--	--	--	--	--
Flash Point, degrees F	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	2740	485	739	<11.5
Sulfide, total	--	--	<5.8	<5.6	30.9	19.2	<4.9	<4.6
Iron	--	--	--	--	3290	3860	3910	3520

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
NI Non-ignitable.
U Not detected.

.010
03/27/94

TABLE 4.6-2 (cont.)

SOIL QUALITY DATA

GENERAL REMEDIATION EVALUATION ANALYTICAL PARAMETERS

(concentrations in mg/kg, unless noted otherwise)

	SB3504 7-9' 09/21/93	SB3508 17-19' 09/21/93	SB3512 27-29' 09/21/93	SB4402 2-4' 09/20/93	SB4404 7-9' 09/20/93	SB4406 12-14' 09/20/93	SB4408 17-19' 09/20/93
Corrosivity							
pH, standard units	--	--	--	--	--	--	--
Reactivity							
Sulfide, total	4.8	15.6	29.2	<5.0	<4.9	4.9	<4.7
Cyanide, total	0.16 U	0.30 U	0.62 U	0.27 U	0.36 U	--	1.1 U
Total Organic Carbon	--	--		--	--	20400	--
Cation Exchange Capacity, meq/hg	--	--		--	--	0.9	--
Gross Heating Value, cal/g	--	--		--	--	--	--
Oil and Grease	--	--		--	--	--	--
Flash Point, degrees F	--	--		--	--	--	--
Sulfate	209	92.2	28.2	<12.7	30.8	29.2	28.2
Sulfide, total	4.8	15.6	29.2	<5.0	<4.9	4.9	<4.7
Iron	4400	3310	4620	3230	3320	2790	3440

	SB4411 24.5-26.5' 09/20/93	SB4412 27-29' 09/20/93	SB4413 29.5-31.5' 09/20/93	SB4806 12-14' 09/22/93	SB4812 27-29' 09/22/93	SB4816 37-39' 09/22/93	GS08 08/31/93
Corrosivity							
pH, standard units	--	--	--	--	--	--	7.8
Reactivity							
Sulfide, total	--	52.8	--	--	--	--	<5.1
Cyanide, total	--	1.6 U	--	--	--	--	1.8 U
Total Organic Carbon	55300	--	48400	20700	40800	31000	--
Cation Exchange Capacity, meq/hg	1.0	--	8.3	1.5	1.0	9.0	--
Gross Heating Value, cal/g	--	--	--	--	--	--	--
Oil and Grease	--	--	--	--	--	--	--
Flash Point, degrees F	--	--	--	--	--	--	--
Sulfate	--	2390	--	--	--	--	--
Sulfide, total	--	52.8	--	--	--	--	<5.1
Iron	--	10800	--	--	--	--	--

-- Not analyzed.
U Not detected.
.010
03/27/94

TABLE 4.6-3

GENERAL REMEDIATION EVALUATION GEOTECHNICAL DATA SUMMARY[1]

GEOTECHNICAL PARAMETER[2]	SOIL BORING							
	SB 2106	SB 2112	SB 2114	SB 2115	SB 3012	SB 3017	SB 3206	SB 3211
DEPTH (ft)	12 - 14	27 - 29	32 - 34	34.5 - 36.5	27 - 29	40 - 41.5	12 - 14	24.5 - 26.5
Soil Classification ASTM: D2487/2488	Sand, Fine Grained (SP)	Silty Sand (SM)	Lean Clay (CL)	Lean Clay (CL)	Sand with Silt, Fine Grained (SP-SM)	Sand with Silt, Fine Grained (SP-SM)	Sand, Fine Grained (SP)	Sand with Silt, Fine Grained (SP-SM)
Atterberg Limits								
Liquid Limit			26.1	30.9				
Plastic Limit			15.7	16.8				
Plasticity Index			10.4	14.1				
Water Content (%)	23.8	22.0	12.9	15.8				
Porosity (%)	38.7	36.6	25.5	29.6				
Specific Gravity	2.66*	2.66*	2.70*	2.67*				
Permeability Test								
Type of Test			Falling Head					
K @ 20°C (cm/sec)			2.9×10^{-8}					
K @ 20°C (ft/min)			5.7×10^{-8}					

* Assumed by Soil Engineering Testing, Inc.

[1] Data from Soil Engineering Testing, Inc.

[2] See Appendix 4-K for grain size distribution and curves.

13\49\003\PSCSLND.TAB\CRS

TABLE 4.6-3 (Cont.)

GENERAL REMEDIATION EVALUATION GEOTECHNICAL DATA SUMMARY[1]

GEOTECHNICAL PARAMETER[2]	SOIL BORING									
	SB 3306	SB 3310	SB 4103	SB 4106	SB 4110	SB 4406	SB 4411	SB 4415	SB 4609	SB 4612
DEPTH (ft)	12 - 14	12 - 24	4.5 - 6.5	12 - 14	22 - 24	12 - 14	24.5 - 26.5	36 - 37.2	19.5 - 21.5	27.5 - 29.5
Soil Classification	Sand, Fine Grained (SP)	Sand with Silt, Fine Grained (SP-SM)	Sand, Fine Grained (SP)	Sand with a Trace of Gravel, Fine Grained (SP)	Silty Sand (SM/SP-SM)	Sand, Fine Grained (SP)	Silty Sand, Fine Grained (SM/SP-SM)	Lean Clay (CL)	Silty Sand (SM)	Silty Sand (SM)
Atterberg Limits										
Liquid Limit								32.0		
Plastic Limit								15.5		
Plasticity Index								16.5		
Water Content (%)						20.5	22.0	14.4		
Porosity (%)						33.0	41.2	30.0**		
Specific Gravity						2.69*	2.74	2.78		
Permeability Test										
Type of Test						Constant Head	Constant Head	Falling Head		
K @ 20°C (cm/sec)						1.6×10^{-3}	1.8×10^{-3}	1.3×10^{-4}		
K @ 20°C (ft/min)						3.2×10^{-3}	3.5×10^{-3}	2.5×10^{-4}		

* Assumed

** Calculated by Barr on 12/23/93.

[1] Data from Soil Engineering Testing, Inc.

[2] See Appendix 4-K for grain size distribution and curves.

13\49\003\PSCSLND.TAB\CRS

TABLE 4.6-3 (Cont.)

GENERAL REMEDIATION EVALUATION GEOTECHNICAL DATA SUMMARY[1]

GEOTECHNICAL PARAMETER[2]	SOIL BORING							
	SB 4806	SB 4812	SB 4815	PW-1	PW-1	PW-1	PW-1	PW-1
DEPTH (ft)	12 - 14	27 - 29	34.5 - 36.5	7 - 9	9.5 - 14	14.5 - 19	19.5 - 24	24.5 - 29
Soil Classification	Sand, Fine Grained (SP)	Silty Sand, Fine Grained (SM/SP-SM)	Lean Clay with Sand and a Little Gravel (CL)	Sand with Silt and Gravel, Fine to Medium Grained (SP-SM/SP)	Sand, Fine Grained (SP)	Sand, Fine Grained (SP)	Sand with Silt, Fine Grained (SP-SM)	Sand with Silt, Fine Grained (SP-SM)
Atterberg Limits								
Liquid Limit			30.1					
Plastic Limit			15.0					
Plasticity Index			15.1					
Water Content (%)	20.3	21.1	14.0					
Porosity (%)	39.1	38.8	30.0**					
Specific Gravity	2.69*	2.74	2.77					
Permeability Test								
Type of Test	Constant Head	Constant Head	Falling Head					
K @ 20°C (cm/sec)	5.9×10^{-3}	1.1×10^{-3}	2.7×10^{-8}					
K @ 20°C (ft/min)	1.2×10^{-2}	2.1×10^{-3}	5.4×10^{-8}					

* Assumed

** Calculated by Barr on 12/23/93.

[1] Data from Soil Engineering Testing, Inc.

[2] See Appendix 4-K for grain size distribution and curves.

13\49\003\PSCSLND.TAB\CRS

TABLE 4.6-4

SOIL QUALITY DATA
TEST TRENCH SAMPLES
TCLP ANALYSIS

(concentrations in ug/L)

	TT0604 2.5' 03/09/92 Sample	2.5' 03/09/92 Duplicate	TT2401 4.5' 10/07/93	TT2402 0.5' 10/07/93	TT2504 4' 10/06/93	TT2601 2.5' 10/08/93
VOLATILE ORGANIC COMPOUNDS						
Benzene	25 U	25 U	720	180	5 J	25 U
2-Butanone	50 U	50 U	110 U	110 U	130 U	50 U
Carbon Tetrachloride	25 U	25 U	25 U	25 U	25 U	25 U
Chlorobenzene	25 U	25 U	25 U	25 U	25 U	25 U
Chloroform	25 U	25 U	25 U	25 U	25 U	25 U
1,2-Dichloroethane	25 U	25 U	25 U	25 U	25 U	25 U
1,1-Dichloroethene	25 U	25 U	25 U	25 U	25 U	25 U
Tetrachloroethene	25 U	25 U	25 U	25 U	25 U	25 U
Trichloroethene	25 U	25 U	25 U	25 U	25 U	25 U
Vinyl Chloride	50 U	50 U	50 U	50 U	50 U	50 U
SEMIVOLATILE ORGANIC COMPOUNDS						
m-Cresol	50 U	50 U	5700 c	1700 c	50 U	50 U
o-Cresol	50 U	50 U	2200	1500	50 U	50 U
p-Cresol	50 U	50 U	5700 c	1700 c	50 U	50 U
1,4-Dichlorobenzene	50 U	50 U	1000 U	250 U	50 U	50 U
2,4-Dinitrotoluene	50 U	50 U	1000 U	250 U	50 U	50 U
Hexachlorobenzene	50 U	50 U	1000 U	250 U	50 U	50 U
Hexachlorobutadiene	50 U	50 U	1000 U	250 U	50 U	50 U
Hexachloroethane	50 U	50 U	1000 U	250 U	50 U	50 U
Nitrobenzene	50 U	50 U	1000 U	250 U	50 U	50 U
Pentachlorophenol	250 U	250 U	5000 U	1200 U	250 U	250 U
Pyridine	250 U	250 U	5000 U	1200 U	250 U	250 U
2,4,5-Trichlorophenol	250 U	250 U	5000 U	1200 U	250 U	250 U
2,4,6-Trichlorophenol	50 U	50 U	1000 U	250 U	50 U	50 U
PESTICIDES						
g-BHC (Lindane)	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlordane	10 U	10 U	10 U	10 U	10 U	10 U
2,4-D	100 U	100 U	100 U	100 U	100 U	100 U
Endrin	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Heptachlor	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Heptachlor Epoxide	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyloxychlor	10 U	10 U	10 U	10 U	10 U	10 U
Toxaphene	50 U	50 U	50 U	50 U	50 U	50 U
2,4,5-TP (Silvex)	10 U	10 U	10 U	10 U	10 U	10 U
METALS						
Arsenic	30.0 U	30.0 U	107	17.0 U	731	17.0 U
Barium	832	876	405	409	710	953
Cadmium	5.0 U	6.3	2.9 U	2.9 U	2.9 U	3.1 B
Chromium	10.0 U	10.0 U	3.4 B	2.3 U	2.3 U	2.8 B
Lead	30.0 U	30.0 U	18.7	23.2 B	26.8 B	16.6 B
Mercury	0.2 U	0.2 U	0.09 B	0.12 B	0.17 B	0.08 B
Selenium	60.0 U	60.0 U	23.7 U	23.7 U	23.7 U	25.8 B
Silver	10.0 U	10.0 U	1.6 U	1.6 U	1.6 U	1.6 U

B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

c m-cresol coelutes with p-cresol.

J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.

U Not detected.

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TABLE 4.6-5

SULFATE-REDUCING BACTERIA ASSAY RESULTS[1]

LOCATION	DEPTH (FT)	DAYS TO POSITIVE REACTION	APPROXIMATE NO. OF COLONY-FORMING UNITS PER GRAM
SB3402	2 - 4	11	550
SB3404	7 - 9	11	550
SB3408	17 - 19	19	400
SB3412	27 - 29	12	500
SB3502	2 - 4	10	600
SB3504	7 - 9	No postive reaction	
SB3508	17 - 19	7	2,500
SB3512	27 - 29	9	750
SB4402	2 - 4	13	475
SB4404	7 - 9	No positive reaction	
SB4406	12 - 14	7	2,500
SB4408	17 - 19	No positive reaction	
SB4412	27 - 29	10	600
Sterile Control		No positive reaction	

[1]No morphological distinct bacteria identified during visual examination.

TABLE 4.6-6

TECHNOLOGY EVALUATION SAMPLES COLLECTED

PARAMETERS ANALYZED	SAMPLE NO.	DATE COLLECTED	DEPTH	FIELD DUPLICATE	COMMENTS
Thermal Desorption	TT 2403	10/07/93	3.5		Oily sand with slag.
	TT 3002	10/07/93	3.5		Industrial pond deposit.
Cement Kiln	TT 2401	10/07/93	4.5		Tar saturated sand.
Soil Washing	TT 2403	10/07/93	3.5		Oily sand with slag.
Bioremediation	SB 34	10/06/93	7 - 18		Homogenized with SB40 and SB56.
	SB 40	10/07/93	7 - 12		Homogenized with SB34 and SB56.
	SB 56	10/07/93	7 - 12		Homogenized with SB34 and SB40.
	SB 58	11/02/93	5 - 10		Creosote oily soil archived on-site.
	TT 2801	10/06/93	5		Creosote oily soil archived on-site.
Slurry Wall	SB 2116	10/01/93	36.5 - 38.5		Glacial till unit.
	SB 4414	09/20/93	33 - 34.4		Glacial till unit.
	SB 4814	09/22/93	32 - 34		Glacial till unit.
	SB 57	10/07/93	7 - 24		
Water Treatment	CFEFF1	04/09/92			
	CFINF1	04/09/92			
	TE 1I01	10/17/93			Test No. 1
	TE 1M02	10/17/93		M-100	Test No. 1
	TE 1F03	10/17/93		M-101	Test No. 1
	TE 2I04	10/17/93			Test No. 2
	TE 2M05	10/17/93		M-102	Test No. 2
	TE 2F06	10/17/93		M-103	Test No. 2
	TE 3I07	10/20/93			Test No. 3
	TE 3M08	10/20/93		M-104	Test No. 3
	TE 3F09	10/20/93		M-105	Test No. 3
	TE 4I10	10/19/93			Test No. 4
	TE 4M11	10/19/93		M-106	Test No. 4

TABLE 4.6-6 (Cont.)

TECHNOLOGY EVALUATION SAMPLES COLLECTED

PARAMETERS ANALYZED	SAMPLE NO.	DATE COLLECTED	DEPTH	FIELD DUPLICATE	COMMENTS
Water Treatment	TE 4F12	10/19/93		M-107	Test No. 4
	GS505EA	10/07/93			Grab samples collected from each tank and equally homogenized into Sample B-294-0.
	GS513EA	10/07/93			
	GS517EA	10/07/93			
	GS494EA	10/07/93			
	B-294-0	10/08/93			Representative composite taken from each tank.
	B-294-1	10/08/93			Bench scale test using standard electrochemical iron generation at 200 ppm in combination with H_2O_2 addition.
	B-294-2	10/08/93			Bench scale test using standard electrochemical iron generation at 200 ppm under Fenton's Reagent conditions.
	B-294-3	10/18/93			Bench scale test using 300 ppm electrochemical iron generation and 3,750 ppm H_2O_2 addition.
	B-294-4	10/18/93			Untreated sample for comparison to treated sample.
	GS513EA	11/10/93			Grab sample after treatment.
	CG426D	11/11/93			Grab sample after treatment.
	CG398D	11/15/93			Grab sample after treatment.
	GS505EA	11/15/93			Grab sample after treatment.
	CG426DBF	12/02/93			Unfiltered treated water.
	CG426DBF	12/02/93			50 μ bag filter.
	CG426DB5	12/02/93			25 μ bag filter.
	CG426DBF	12/02/93			5 μ bag filter.
	CG398DBF	12/02/93			25 μ bag filter.
	CS505EABF	12/02/93			25 μ bag filter.

TABLE 4.6-7

WATER TREATMENT DATA
WATER TREATMENT SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	PHASE I		TEST 1				
	CFINF1	CFEFF1	TE1I01	TE1M02		TE1F03	
	04/09/92	04/09/92	10/17/93	10/17/93 Sample	10/17/93 Duplicate	10/17/93 Sample	10/17/93 Duplicate
Arsenic, total	9160	18200	8560	71.2	78.2	21.5	22.6
Arsenic III	--	--	169	<10	<10	<10	<10
Arsenic V	--	--	1610	<10	<10	12	13
Cyanide, total	170	378	19.2	147	150	182	150
Amenable Cyanide	--	--	<5.0	<5.0	<25.0	<25.0	<5.0
Thiocyanate	--	--	188000	179000	201000	108000	110000
Cyanide, WAD	--	--	146	90.7	79.6	77.9	77.6
Aluminum	72.3 U	49.3 U	--	--	--	--	--
Antimony	10.9 U	45.3 U	--	--	--	--	--
Barium	213	297	--	--	--	--	--
Beryllium	0.19 U	0.19 U	--	--	--	--	--
Cadmium	8.7	16.2	<5.0	<5.0	<5.0	<5.0	<5.0
Calcium	52500	33300	--	--	--	--	--
Chromium, total	12.3	2.1 U	--	--	--	--	--
Cobalt	6.2 B	3.6 U	--	--	--	--	--
Copper	205	91.2	--	--	--	--	--
Iron	587	341	--	--	--	--	--
Lead	4.5	3.8	<3.0	<3.0	<3.0	<3.0	<3.0
Magnesium	20100	28500	--	--	--	--	--
Manganese	326	117	--	--	--	--	--
Mercury	0.16 U	0.16 U	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	33.5 U	24.4 U	--	--	--	--	--
Potassium	10900	18700	--	--	--	--	--
Selenium	24.6 J	6.0 UJ	81.2	49.8	49.9	12.3	12.5
Silver	1.7 U	1.7 U	--	--	--	--	--
Sodium	115000	207000	--	--	--	--	--
Thallium	1.7 U	1.7 U	--	--	--	--	--
Vanadium	64.1	18.2 B	--	--	--	--	--
Zinc	113	33.9	--	--	--	--	--

-- Not analyzed.
B The reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.

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TABLE 4.6-7 (cont.)

WATER TREATMENT DATA
WATER TREATMENT SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	TEST 2				
	TE2I04	TE2M05		TE2F06	
	10/17/93	10/17/93 Sample	10/17/93 Duplicate	10/17/93 Sample	10/17/93 Duplicate
Arsenic, total	8510	394	398	119	126
Arsenic III	113	13	<10	<10	<10
Arsenic V	912	64	53	16	<10
Cyanide, total	56.0	165	136	146	33.6
Amenable Cyanide	<5.0	<25.0	<5.0	<25.0	<5.0
Thiocyanate	193000	187000	183000	132000	131000
Cyanide, WAD	147	85.1	96.0	92.2	167
Aluminum	--	--	--	--	--
Antimony	--	--	--	--	--
Barium	--	--	--	--	--
Beryllium	--	--	--	--	--
Cadmium	<5.0	<5.0	<5.0	<5.0	<5.0
Calcium	--	--	--	--	--
Chromium, total	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	--	--	--
Iron	--	--	--	--	--
Lead	<3.0	<3.0	<3.0	<3.0	<3.0
Magnesium	--	--	--	--	--
Manganese	--	--	--	--	--
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	--	--	--	--	--
Potassium	--	--	--	--	--
Selenium	82.5	38.2	40.4	14.5	14.3
Silver	--	--	--	--	--
Sodium	--	--	--	--	--
Thallium	--	--	--	--	--
Vanadium	--	--	--	--	--
Zinc	--	--	--	--	--

-- Not analyzed.
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TABLE 4.6-7 (cont.)

WATER TREATMENT DATA
WATER TREATMENT SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	TEST 3				
	TE3I07	TE3M08		TE3F09	
	10/20/93	10/20/93 Sample	10/20/93 Duplicate	10/20/93 Sample	10/20/93 Duplicate
Arsenic, total	6870	2540	2560	1600	1600
Arsenic III	<10	46	44	22	<10
Arsenic V	1090	476	506	244	39
Cyanide, total	<5.0	174	116	188	161
Amenable Cyanide	<5.0	<25.0	<5.0	<25.0	<25.0
Thiocyanate	200000	201000	189000	198000	20100
Cyanide, WAD	<5.0	84.8	86.6	75.6	83.7
Aluminum	--	--	--	--	--
Antimony	--	--	--	--	--
Barium	--	--	--	--	--
Beryllium	--	--	--	--	--
Cadmium	<5.0	<5.0	<5.0	<5.0	<5.0
Calcium	--	--	--	--	--
Chromium, total	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	--	--	--
Iron	--	--	--	--	--
Lead	<3.0	<3.0	<3.0	<3.0	<3.0
Magnesium	--	--	--	--	--
Manganese	--	--	--	--	--
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	--	--	--	--	--
Potassium	--	--	--	--	--
Selenium	76.3	34.6	33.8	12.8	12.6
Silver	--	--	--	--	--
Sodium	--	--	--	--	--
Thallium	--	--	--	--	--
Vanadium	--	--	--	--	--
Zinc	--	--	--	--	--

-- Not analyzed.
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TABLE 4.6-7 (cont.)

WATER TREATMENT DATA
WATER TREATMENT SAMPLES
INORGANIC COMPOUNDS

(concentrations in ug/L)

	TEST 4				
	TE4I10	TE4M11		TE4F12	
	10/19/93	10/19/93 Sample	10/19/93 Duplicate	10/19/93 Sample	10/19/93 Duplicate
Arsenic, total	7720	7050	7040	60.7	62.0
Arsenic III	103	600	69	<10	<10
Arsenic V	378	4960	1920	<10	<10
Cyanide, total	106	250	168	13.8	142
Amenable Cyanide	<5.0	<25.0	<25.0	<5.0	<25.0
Thiocyanate	198000	261000	263000	250000	250000
Cyanide, WAD	144	114	105	69.5	110
Aluminum	--	--	--	--	--
Antimony	--	--	--	--	--
Barium	--	--	--	--	--
Beryllium	--	--	--	--	--
Cadmium	<5.0	<5.0	<5.0	<5.0	<5.0
Calcium	--	--	--	--	--
Chromium, total	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	--	--	--
Iron	--	--	--	--	--
Lead	<3.0	<3.0	<3.0	<3.0	<3.0
Magnesium	--	--	--	--	--
Manganese	--	--	--	--	--
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	--	--	--	--	--
Potassium	--	--	--	--	--
Selenium	76.6	27.8	28.9	13.9	14.5
Silver	--	--	--	--	--
Sodium	--	--	--	--	--
Thallium	--	--	--	--	--
Vanadium	--	--	--	--	--
Zinc	--	--	--	--	--

-- Not analyzed.
3,.013
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TABLE 4.6-8

WATER TREATMENT DATA
WATER TREATMENT SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	PHASE I		TEST 1		
	CFINF1	CFEFF1	TE1I01	TE1M02	TE1F03*
	04/09/92	04/09/92	10/17/93	10/17/93	10/17/93
BETX COMPOUNDS					
Benzene	220	10 U	230	160	13
Ethyl Benzene	8 J	10 U	20 U	20 U	1.0 U
Toluene	45	10 U	40	28	1.2
Xylenes	21	10 U	--	--	--
m & p Xylene	--	--	46	40 U	2.0 U
o-Xylene	--	--	20 U	20 U	1.0 U
Sum of BETX	294 a	ND	316	188	14.2
CHLORINATED COMPOUNDS					
Bromodichloromethane	20 U	10 U	--	--	--
Carbon Tetrachloride	20 U	10 U	--	--	--
Chloroethane	20 U	10 U	--	--	--
Chloroform	20 U	10 U	--	--	--
Chloromethane	20 U	10 U	--	--	--
Chlorobenzene	20 U	10 U	--	--	--
Chlorodibromomethane	20 U	10 U	--	--	--
1,1-Dichloroethane	28	10 U	--	--	--
1,2-Dichloroethane	20 U	10 U	--	--	--
1,1-Dichloroethylene	20 U	10 U	--	--	--
1,2-Dichloroethylene	20 U	10 U	--	--	--
1,2-Dichloropropane	20 U	10 U	--	--	--
Cis-1,3-Dichloro-1-propene	20 U	10 U	--	--	--
Trans-1,3-Dichloro-1-propene	20 U	10 U	--	--	--
Methylene Chloride	20 U	10 U	--	--	--
Styrene	2 J	10 U	--	--	--
1,1,2,2-Tetrachloroethane	20 U	10 U	--	--	--
Tetrachloroethylene	20 U	10 U	--	--	--
1,1,1-Trichloroethane	2 J	10 U	--	--	--
1,1,2-Trichloroethane	20 U	10 U	--	--	--
Trichloroethylene	20 U	10 U	--	--	--
Vinyl Chloride	20 U	10 U	--	--	--
OTHER COMPOUNDS					
Acetone	250	10 U	--	--	--
Bromoform	20 U	10 U	--	--	--
Bromomethane	20 U	10 U	--	--	--
Carbondisulfide	20 U	10 U	--	--	--
2-Hexanone	20 U	10 U	--	--	--
Methyl Ethyl Ketone	80 U	10 U	--	--	--
Methyl Isobutyl Ketone	20 U	10 U	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.
* The associated blind duplicate sample was inadvertently not analyzed by the laboratory.

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TABLE 4.6-8 (cont.)

WATER TREATMENT DATA
WATER TREATMENT SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	TEST 2			TEST 3		
	TE2I04	TE2M05	TE2F06	TE3I07	TE3M08	TE3F09
	10/17/93	10/17/93	10/17/93	10/20/93	10/20/93	10/20/93
BETX COMPOUNDS						
Benzene	140	7.3	15	150	110	10
Ethyl Benzene	20 U	1.0 U	1.0 U	10 U	10 U	1.0 U
Toluene	37	1.4	2.1	39	30	1.4
m & p Xylene	40 U	2.0 U	2.0 U	20 U	20 U	2.0 U
o-Xylene	20 U	1.0 U	1.0 U	10 U	10 U	1.0 U
Sum of BETX	177	8.7	17.1	189	140	11.4
CHLORINATED COMPOUNDS						
Bromodichloromethane	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--
Chlorodibromomethane	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--
1,1-Dichloroethylene	--	--	--	--	--	--
1,2-Dichloroethylene	--	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	--	--
Styrene	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--
Tetrachloroethylene	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--
OTHER COMPOUNDS						
Acetone	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--
Carbondisulfide	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--
Methyl Ethyl Ketone	--	--	--	--	--	--
Methyl Isobutyl Ketone	--	--	--	--	--	--

-- Not analyzed.

U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

3,.013
01/25/94

TABLE 4.6-8 (cont.)

WATER TREATMENT DATA
WATER TREATMENT SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	TEST 4		
	TE4I10	TE4M11	TE4F12
	10/19/93	10/19/93	10/19/93
BETX COMPOUNDS			
Benzene	190	14	13
Ethyl Benzene	10 U	1.0 U	1.0 U
Toluene	50	1.7	3.0
m & p Xylene	35	2.0 U	2.4
o-Xylene	10 U	1.0 U	1.0 U
Sum of BETX	275	15.7	18.4
CHLORINATED COMPOUNDS			
Bromodichloromethane	--	--	--
Carbon Tetrachloride	--	--	--
Chloroethane	--	--	--
Chloroform	--	--	--
Chloromethane	--	--	--
Chlorobenzene	--	--	--
Chlorodibromomethane	--	--	--
1,1-Dichloroethane	--	--	--
1,2-Dichloroethane	--	--	--
1,1-Dichloroethylene	--	--	--
1,2-Dichloroethylene	--	--	--
1,2-Dichloropropane	--	--	--
Cis-1,3-Dichloro-1-propene	--	--	--
Trans-1,3-Dichloro-1-propene	--	--	--
Methylene Chloride	--	--	--
Styrene	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--
Tetrachloroethylene	--	--	--
1,1,1-Trichloroethane	--	--	--
1,1,2-Trichloroethane	--	--	--
Trichloroethylene	--	--	--
Vinyl Chloride	--	--	--
OTHER COMPOUNDS			
Acetone	--	--	--
Bromoform	--	--	--
Bromomethane	--	--	--
Carbondisulfide	--	--	--
2-Hexanone	--	--	--
Methyl Ethyl Ketone	--	--	--
Methyl Isobutyl Ketone	--	--	--

-- Not analyzed.

U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

3,.013
01/25/94

TABLE 4.6-9

WATER TREATMENT DATA
WATER TREATMENT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	PHASE 1		TEST 1				
	CFINF1	CFEFF1	TE1I01	TE1M02		TE1F03	
	04/09/92	04/09/92	10/17/93	10/17/93 Sample	10/17/93 Duplicate	10/17/93 Sample	10/17/93 Duplicate
CARCINOGENIC COMPOUNDS							
Benzo(a)anthracene	15000 U	10 U	3570 U	3570 U	8925 U	892.5 U	357 U
Benzo(b)fluoranthene	15000 U	10 U	4818 U	4818 U	12045 U	1204.5 U	481.8 U
Benzo(k)fluoranthene	15000 U	10 U	3836 U	3836 U	9590 U	959 U	383.6 U
Benzo(a)pyrene	15000 U	10 U	4426 U	4426 U	11065 U	1106.5 U	442.6 U
Carbazole	15000 U	10 U	3296 U	3296 U	8240 U	824 U	329.6 U
Chrysene	15000 U	10 U	3850 U	3850 U	9625 U	962.5 U	385 U
Dibenzo(ah)anthracene	15000 U	10 U	3886 U	3886 U	9715 U	971.5 U	388.6 U
Indeno(1,2,3,cd)pyrene	15000 U	10 U	4410 U	4410 U	11025 U	1102.5 U	441 U
Sum of Carcinogens	ND	ND	ND	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS							
Acenaphthene	15000 U	10 U	2974 U	2974 U	7435 U	743.5 U	297.4 U
Acenaphthylene	15000 U	10 U	2952 U	2952 U	7380 U	738 U	295.2 U
Anthracene	15000 U	10 U	3190 U	3190 U	7975 U	797.5 U	319 U
Benzo(ghi)perylene	15000 U	10 U	3984 U	3984 U	9960 U	996 U	398.4 U
Dibenzofuran	15000 U	10 U	2808 U	2808 U	7020 U	702 U	280.8 U
Fluoranthene	15000 U	10 U	2954 U	2954 U	7385 U	738.5 U	295.4 U
Fluorene	15000 U	10 U	2884 U	2884 U	7210 U	721 U	288.4 U
2-Methylnaphthalene	15000 U	10 U	2770 U	2770 U	6925 U	692.5 U	277 U
Naphthalene	15000 U	10 U	2712 U	2712 U	6780 U	678 U	271.2 U
Phenanthrene	15000 U	10 U	3108 U	3108 U	7770 U	777 U	310.8 U
Pyrene	15000 U	10 U	3628 U	3628 U	9070 U	907 U	362.8 U
Sum of Non-Carcinogens	ND	ND	ND	ND	ND	ND	ND
Sum of Total PAH Compounds	ND	ND	ND	ND	ND	ND	ND
PHENOLIC COMPOUNDS							
4-Chloro-3-methylphenol	15000 U	10 U	--	--	--	--	--
2-Chlorophenol	15000 U	10 U	--	--	--	--	--
o-Cresol	49000	10 U	22000	19000 J	19000 J	860 J	1000 J
p-Cresol	130000	4 J	58000	63000	60000	3100 J	3500
2,4-Dichlorophenol	15000 U	10 U	--	--	--	--	--
2,4-Dimethylphenol	13000 J	10 U	6330 U	6330 U	15825 U	1582.5 U	633 U
2,4-Dinitrophenol	38000 U	25 U	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	38000 U	25 U	--	--	--	--	--
2-Nitrophenol	15000 U	10 U	--	--	--	--	--
4-Nitrophenol	38000 U	25 U	--	--	--	--	--
Pentachlorophenol	38000 U	25 U	--	--	--	--	--
Phenol	260000	10 U	180000	190000	180000	15000	16000
2,4,5-Trichlorophenol	38000 U	25 U	--	--	--	--	--
2,4,6-Trichlorophenol	15000 U	10 U	--	--	--	--	--

-- Not analyzed.
ND Not detected.
B The analyte is found in the associated blank as well as the sample.
J Associated value is an estimate. The value is below the stated quantitation limit.
U Not detected.
3,.013
01/25/94

TABLE 4.6-9 (cont.)

WATER TREATMENT DATA
WATER TREATMENT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	PHASE 1		TEST 1				
	CFINF1	CFEFF1	TE1I01	TE1M02		TE1F03	
	04/09/92	04/09/92	10/17/93	10/17/93 Sample	10/17/93 Duplicate	10/17/93 Sample	10/17/93 Duplicate
OTHER SEMIVOLATILE ORGANIC COMPOUNDS							
Bis(2-chloroethoxy)methane	2146.5 U	1.431 U	--	--	--	--	--
Bis(2-chloroethyl)ether	2052 U	1.368 U	--	--	--	--	--
Bis(2-chloroisopropyl)ether	2362.5 U	1.575 U	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	9268.5 U	6.179 U	--	--	--	--	--
4-Bromophenyl phenyl ether	1585.5 U	1.057 U	--	--	--	--	--
Butyl benzyl phthalate	1884 U	1.256 U	--	--	--	--	--
4-Chloroaniline	2638.5 U	1.759 U	--	--	--	--	--
2-Chloronaphthalene	2049 U	1.366 U	--	--	--	--	--
4-Chlorophenyl phenyl ether	1969.5 U	1.313 U	--	--	--	--	--
Di-n-butyl phthalate	1956 U	1.304 U	--	--	--	--	--
Di-n-octyl phthalate	3151.5 U	2.101 U	--	--	--	--	--
1,2-Dichlorobenzene	2626.5 U	1.751 U	--	--	--	--	--
1,3-Dichlorobenzene	2691 U	1.794 U	--	--	--	--	--
1,4-Dichlorobenzene	2622 U	1.748 U	--	--	--	--	--
3,3-Dichlorobenzidine	7155 U	4.77 U	--	--	--	--	--
Diethyl phthalate	2293.5 U	1.529 U	--	--	--	--	--
Dimethyl phthalate	1995 U	1.33 U	--	--	--	--	--
2,4-Dinitrotoluene	1710 U	1.14 U	--	--	--	--	--
2,6-Dinitrotoluene	1642.5 U	1.095 U	--	--	--	--	--
Hexachlorobenzene	2061 U	1.374 U	--	--	--	--	--
Hexachlorobutadiene	2650.5 U	1.767 U	--	--	--	--	--
Hexachlorocyclopentadiene	2011.5 U	1.341 U	--	--	--	--	--
Hexachloroethane	2698.5 U	1.799 U	--	--	--	--	--
Isophorone	1983 U	1.322 U	--	--	--	--	--
N-Nitrosodi-n-propylamine	1813.5 U	1.209 U	--	--	--	--	--
N-Nitrosodiphenylamine	2382 U	1.588 U	--	--	--	--	--
2-Nitroaniline	1912.5 U	1.275 U	--	--	--	--	--
3-Nitroaniline	2709 U	1.806 U	--	--	--	--	--
4-Nitroaniline	2482.5 U	1.655 U	--	--	--	--	--
Nitrobenzene	1861.5 U	1.241 U	--	--	--	--	--
1,2,4-Trichlorobenzene	2064 U	1.376 U	--	--	--	--	--

-- Not analyzed.
U Not detected.
3,.013
01/25/94

TABLE 4.6-9 (cont.)

WATER TREATMENT DATA
WATER TREATMENT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	TEST 2					TEST 3		
	TE2I04	TE2M05		TE2P06		TE3I07	TE3M08	
	10/17/93	10/17/93 Sample	10/17/93 Duplicate	10/17/93 Sample	10/17/93 Duplicate	10/20/93	10/20/93 Sample	10/20/93 Duplicate
CARCINOGENIC COMPOUNDS								
Benzo(a)anthracene	3570 U	7140 U	7140 U	1428 U	892.5 U	7140 U	3570 U	7140 U
Benzo(b)fluoranthene	4818 U	9636 U	9636 U	1927.2 U	1204.5 U	9636 U	4818 U	9636 U
Benzo(k)fluoranthene	3836 U	7672 U	7672 U	1534.4 U	959 U	7672 U	3836 U	7672 U
Benzo(a)pyrene	4426 U	8852 U	8852 U	1770.4 U	1106.5 U	8852 U	4426 U	8852 U
Carbazole	3296 U	6592 U	6592 U	1318.4 U	824 U	6592 U	3296 U	6592 U
Chrysene	3850 U	7700 U	7700 U	1540 U	962.5 U	7700 U	3850 U	7700 U
Dibenzo(ah)anthracene	3886 U	7772 U	7772 U	1554.4 U	971.5 U	7772 U	3886 U	7772 U
Indeno(1,2,3,cd)pyrene	4410 U	8820 U	8820 U	1764 U	1102.5 U	8820 U	4410 U	8820 U
Sum of Carcinogens	ND	ND	ND	ND	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS								
Acenaphthene	2974 U	5948 U	5948 U	1189.6 U	743.5 U	5948 U	2974 U	5948 U
Acenaphthylene	2952 U	5904 U	5904 U	1180.8 U	738 U	5904 U	2952 U	5904 U
Anthracene	3190 U	6380 U	6380 U	1276 U	797.5 U	6380 U	3190 U	6380 U
Benzo(ghi)perylene	3984 U	7968 U	7968 U	1593.6 U	996 U	7968 U	3984 U	7968 U
Dibenzofuran	2808 U	5616 U	5616 U	1123.2 U	702 U	5616 U	2808 U	5616 U
Fluoranthene	2954 U	5908 U	5908 U	1181.6 U	738.5 U	5908 U	2954 U	5908 U
Fluorene	2884 U	5768 U	5768 U	1153.6 U	721 U	5768 U	2884 U	5768 U
2-Methylnaphthalene	2770 U	5540 U	5540 U	1108 U	692.5 U	5540 U	2770 U	5540 U
Naphthalene	2712 U	5424 U	5424 U	1084.8 U	678 U	5424 U	2712 U	5424 U
Phenanthrene	3108 U	6216 U	6216 U	1243.2 U	777 U	6216 U	3108 U	6216 U
Pyrene	3628 U	7256 U	7256 U	1451.2 U	907 U	7256 U	3628 U	7256 U
Sum of Non-Carcinogens	ND	ND	ND	ND	ND	ND	ND	ND
Sum of Total PAH Compounds	ND	ND	ND	ND	ND	ND	ND	ND
PHENOLIC COMPOUNDS								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--
o-Cresol	19000 J	21000 J	19000 J	1100 J	1200 J	20000 J	17000 J	18000 J
p-Cresol	48000	69000	61000	3700 J	3800 J	52000	52000	52000
2,4-Dichlorophenol	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	6330 U	12660 U	12660 U	2532 U	1582.5 U	12660 U	6330 U	12660 U
2,4-Dinitrophenol	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--
Phenol	140000	220000	180000	22000	20000	190000	160000	160000
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
B The analyte is found in the associated blank as well as the sample.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
3,.013
01/25/94

TABLE 4.6-9 (cont.)

WATER TREATMENT DATA
WATER TREATMENT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	TEST 3		TEST 4				
	TE3F09		TE4I10	TE4M11		TE4F12	
	10/20/93 Sample	10/20/93 Duplicate	10/19/93	10/19/93 Sample	10/19/93 Duplicate	10/19/93 Sample	10/19/93 Duplicate
CARCINOGENIC COMPOUNDS							
Benzo(a)anthracene	714 U	714 U	3570 U	714 U	892.5 U	1785 U	1785 U
Benzo(b)fluoranthene	963.6 U	963.6 U	4818 U	963.6 U	1204.5 U	2409 U	2409 U
Benzo(k)fluoranthene	767.2 U	767.2 U	3836 U	767.2 U	959 U	1918 U	1918 U
Benzo(a)pyrene	885.2 U	885.2 U	4426 U	885.2 U	1106.5 U	2213 U	2213 U
Carbazole	659.2 U	659.2 U	3296 U	659.2 U	824 U	1648 U	1648 U
Chrysene	770 U	770 U	3850 U	770 U	962.5 U	1925 U	1925 U
Dibenzo(ah)anthracene	777.2 U	777.2 U	3886 U	777.2 U	971.5 U	1943 U	1943 U
Indeno(1,2,3,cd)pyrene	882 U	882 U	4410 U	882 U	1102.5 U	2205 U	2205 U
Sum of Carcinogens	ND	ND	ND	ND	ND	ND	ND
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS							
Acenaphthene	594.8 U	594.8 U	2974 U	594.8 U	743.5 U	1487 U	1487 U
Acenaphthylene	590.4 U	590.4 U	2952 U	590.4 U	738 U	1476 U	1476 U
Anthracene	638 U	638 U	3190 U	638 U	797.5 U	1595 U	1595 U
Benzo(ghi)perylene	796.8 U	796.8 U	3984 U	796.8 U	996 U	1992 U	1992 U
Dibenzofuran	561.6 U	561.6 U	2808 U	561.6 U	702 U	1404 U	1404 U
Fluoranthene	590.8 U	590.8 U	2954 U	590.8 U	738.5 U	1477 U	1477 U
Fluorene	576.8 U	576.8 U	2884 U	576.8 U	721 U	1442 U	1442 U
2-Methylnaphthalene	554 U	554 U	2770 U	554 U	692.5 U	1385 U	1385 U
Naphthalene	542.4 U	542.4 U	2712 U	542.4 U	678 U	1356 U	1356 U
Phenanthrene	621.6 U	621.6 U	3108 U	621.6 U	777 U	1554 U	1554 U
Pyrene	725.6 U	725.6 U	3628 U	725.6 U	907 U	1814 U	1814 U
Sum of Non-Carcinogens	ND	ND	ND	ND	ND	ND	ND
Sum of Total PAH Compounds	ND	ND	ND	ND	ND	ND	ND
PHENOLIC COMPOUNDS							
4-Chloro-3-methylphenol	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--
o-Cresol	900 J	800 J	17000 J	1200 J	1600 J	4000 J	4200 J
p-Cresol	2700 J	2300 J	47000	3400 J	4400 J	12000	13000
2,4-Dichlorophenol	--	--	--	--	--	--	--
2,4-Dimethylphenol	1266 U	1266 U	6330 U	1266 U	1582.5 U	3165 U	3165 U
2,4-Dinitrophenol	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--
Phenol	20000	17000	150000	28000	36000	48000	50000
2,4,5-Trichlorophenol	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--

-- Not analyzed.
ND Not detected.
B The analyte is found in the associated blank as well as the sample.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
3,.013
01/25/94

TABLE 4.6-10

WATER TREATMENT DATA
WATER TREATMENT SAMPLES
PESTICIDES AND PCBs

(concentrations in ug/L)

	PHASE I	
	CFINF1	CFEFF1
	04/09/92	04/09/92
PESTICIDES		
Aldrin	0.10 UJ	0.050 U
a-BHC	0.10 UJ	0.050 U
b-BHC	0.10 UJ	0.050 U
d-BHC	0.10 UJ	0.050 U
g-BHC (Lindane)	0.10 UJ	0.050 UJ
Alpha Chlordane	0.10 UJ	0.050 U
Gamma Chlordane	0.10 UJ	0.050 U
4,4'-DDD	0.20 UJ	0.10 U
4,4'-DDE	0.20 UJ	0.10 U
4,4'-DDT	0.20 UJ	0.10 U
Dieldrin	0.20 UJ	0.10 U
Endosulfan I	0.10 UJ	0.050 U
Endosulfan II	0.20 UJ	0.10 U
Endosulfan Sulfate	0.20 UJ	0.10 U
Endrin	0.20 UJ	0.10 U
Endrin Aldehyde	0.20 UJ	0.10 U
Endrin Ketone	0.20 UJ	0.10 U
Heptachlor	0.10 UJ	0.050 UJ
Heptachlor Epoxide	0.10 UJ	0.050 U
Methyloxyclor	1.0 UJ	0.50 U
Toxaphene	10 UJ	5.0 U
PCBs		
PCB-1016	2.0 UJ	1.0 U
PCB-1221	4.0 UJ	2.0 U
PCB-1232	2.0 UJ	1.0 U
PCB-1242	2.0 UJ	1.0 U
PCB-1248	2.0 UJ	1.0 U
PCB-1254	2.0 UJ	1.0 U
PCB-1260	2.0 UJ	1.0 U

J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
U Not detected.
3,.013
01/25/94

TABLE 4.6-11

WATER TREATMENT UNIT
BENCH SCALE TESTING
BY ANDCO ENVIRONMENTAL PROCESSES, INC

(concentrations in mg/L)

	B2940	B2941	B2942	B2943	B2944
	10/08/93	10/08/93	10/08/93	10/18/93	10/18/93
Arsenic, total	8.30	<0.10	<0.10	--	--
Cyanide, total	0.21	0.15	0.96	--	--
Phenol, 4AAP	--	--	--	<0.005	200
Total Organic Carbon	490	280	220	100	280

-- Not analyzed.
.002
01/07/94

TABLE 4.6-12

WATER TREATMENT UNIT
GRAB SAMPLES FROM EACH
TANK AFTER TREATMENT
INORGANIC COMPOUNDS

(concentrations in mg/L)

	G5513E	CG426D					CG398D	CS505E
	11/10/93	11/11/93	12/02/93	12/02/93	12/02/93	12/02/93	11/15/93	11/15/93
	490	490	490	491	492	493	490	490
Arsenic, total	<0.010	0.099	--	--	--	--	0.27	0.70
Arsenic III	--	--	--	--	--	--	--	--
Arsenic V	--	--	--	--	--	--	--	--
Cyanide, total	0.15	0.21	0.07	--	--	--	0.11	0.09
Amenable Cyanide	--	--	--	--	--	--	--	--
Thiocyanate	--	--	83	81	80	79	--	--
Cyanide, WAD	--	--	--	--	--	--	--	--
Aluminum	--	--	--	--	--	--	--	--
Antimony	<0.1	--	--	--	--	--	--	--
Barium	0.03	--	--	--	--	--	--	--
Beryllium	<0.01	--	--	--	--	--	--	--
Cadmium	<0.02	--	--	--	--	--	--	--
Calcium	--	--	--	--	--	--	--	--
Chromium, total	<0.02	<0.03	--	--	--	--	<0.02	<0.02
Cobalt	<0.05	--	--	--	--	--	--	--
Copper	<0.02	--	--	--	--	--	--	--
Iron	4.2	--	--	--	--	--	--	--
Lead	<0.25	<0.03	--	--	--	--	<0.03	<0.03
Magnesium	--	--	--	--	--	--	--	--
Manganese	1.1	--	--	--	--	--	--	--
Mercury	<0.00050	--	--	--	--	--	--	--
Nickel	0.15	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	<0.020	<0.05	--	--	--	--	<0.05	<0.05
Silver	<0.02	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	<0.40	--	--	--	--	--	--	--
Vanadium	<0.10	<0.1	--	--	--	--	<0.1	<0.1
Zinc	<0.10	--	--	--	--	--	--	--

-- Not analyzed.
.031
01/27/94

TABLE 4.6-13

WATER TREATMENT UNIT
GRAB SAMPLES FROM EACH
TANK AFTER TREATMENT
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	G5513E	CG426D	CG398D	CS505E
	11/10/93	11/11/93	11/15/93	11/15/93
BETX COMPOUNDS				
Benzene	<5	<5	3 J	7
Ethyl Benzene	<5	<5	<5	<5
Toluene	<5	<5	<5	<5
Xylenes	<5	<5	<5	<5
m & p Xylene	--	--	--	--
o-Xylene	--	--	--	--
Sum of BETX	ND	ND	3 a	7
CHLORINATED COMPOUNDS				
Bromodichloromethane	<5	--	--	--
Carbon Tetrachloride	<5	--	--	--
Chloroethane	<10	--	--	--
Chloroform	<5	--	--	--
Chloromethane	<10	--	--	--
Chlorobenzene	<5	--	--	--
Chlorodibromomethane	<5	--	--	--
2-Chloroethylvinyl Ether	<10	--	--	--
1,2-Dichlorobenzene	<5	--	--	--
1,1-Dichloroethane	<5	<5	<5	<5
1,2-Dichloroethane	<5	--	--	--
1,1-Dichloroethylene	<5	--	--	--
1,2-Dichloroethylene	<5	--	--	--
1,2-Dichloropropane	<5	--	--	--
Cis-1,3-Dichloro-1-propene	<5	--	--	--
Trans-1,3-Dichloro-1-propene	<5	--	--	--
Methylene Chloride	<5	--	--	--
Styrene	--	--	--	--
1,1,2,2-Tetrachloroethane	<5	--	--	--
Tetrachloroethylene	<5	--	--	--
1,1,1-Trichloroethane	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	--	--	--
Trichloroethylene	<5	--	--	--
Trichlorofluoromethane	<5	--	--	--
Vinyl Chloride	<10	--	--	--
OTHER COMPOUNDS				
Acetone	44	40	70	140
Acrolein	<50	--	--	--
Acrylonitrile	<70	--	--	--
Bromoform	<5	--	--	--
Bromomethane	<10	--	--	--
Carbondisulfide	--	--	--	--
2-Hexanone	--	--	--	--
Methyl Ethyl Ketone	9 J	<10	30	16
Methyl Isobutyl Ketone	--	--	--	--

-- Not analyzed.
ND Not detected.
a Calculated using some or all values that are estimates.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
.031
01/25/94

TABLE 4.6-14

WATER TREATMENT UNIT
GRAB SAMPLES FROM EACH
TANK AFTER TREATMENT
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	G5513E	CG426D	CG398D		CS505E
	11/10/93	11/11/93	11/15/93	12/02/93	11/15/93
CARCINOGENIC COMPOUNDS					
Benzo(a)anthracene	<100	--	--	--	--
Benzo(b)fluoranthene	<100	--	--	--	--
Benzo(k)fluoranthene	<100	--	--	--	--
Benzo(a)pyrene	<100	--	--	--	--
Carbazole	<100	--	--	--	--
Chrysene	<100	--	--	--	--
Dibenzo(ah)anthracene	<100	--	--	--	--
Indeno(1,2,3,cd)pyrene	<100	--	--	--	--
Sum of Carcinogens	ND	--	--	--	--
PROJECT SPECIFIC NON-CARCINOGENIC COMPOUNDS					
Acenaphthene	<100	<100	<20	--	<50
Acenaphthylene	<100	--	--	--	--
Anthracene	<100	--	--	--	--
Benzo(ghi)perylene	<100	--	--	--	--
Dibenzofuran	<100	<100	<20	--	<50
Fluoranthene	<100	<100	<20	--	<50
Fluorene	<100	<100	<20	--	<50
2-Methylnaphthalene	<100	<100	<20	--	<50
Naphthalene	<100	<100	<20	--	<50
Phenanthrene	<100	<100	<20	--	<50
Pyrene	<100	<100	<20	--	<50
Sum of Non-Carcinogens	ND	ND	ND	--	ND
Sum of Total PAH Compounds	ND	ND	ND	--	ND
PHENOLIC COMPOUNDS					
4-Chloro-3-methylphenol	<100	--	--	--	--
2-Chlorophenol	<100	<100	<20	--	<50
o-Cresol	160	98 J	230	330 J	700
p-Cresol	440	250	560	740 J	2200
2,4-Dichlorophenol	<100	--	--	--	--
2,4-Dimethylphenol	<100	<100	19 J	--	120
2,4-Dinitrophenol	<500	--	--	--	--
2-Methyl-4,6-dinitrophenol	<500	--	--	--	--
2-Nitrophenol	<100	--	--	--	--
4-Nitrophenol	<500	--	--	--	--
Pentachlorophenol	<500	--	--	--	--
Phenol	5000	--	--	6900 J	--
2,4,5-Trichlorophenol	--	--	--	--	--
2,4,6-Trichlorophenol	<100	--	--	--	--

-- Not analyzed.

J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.

.031

01/26/94

TABLE 4.6-14 (cont.)

WATER TREATMENT UNIT
GRAB SAMPLES FROM EACH
TANK AFTER TREATMENT
SEMIVOLATILE ORGANIC COMPOUNDS

(concentrations in ug/L)

	G5513E	CG426D	CG398D		CS505E
	11/10/93	11/11/93	11/15/93	12/02/93	11/15/93
OTHER SEMIVOLATILE ORGANIC COMPOUNDS					
Bis(2-chloroethoxy)methane	<100	--	--	--	--
Bis(2-chloroethyl)ether	53 J	--	--	--	--
Bis(2-chloroisopropyl)ether	<100	--	--	--	--
Bis(2-ethylhexyl)phthalate	<100	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--
Butyl benzyl phthalate	<100	--	--	--	--
4-Chloroaniline	--	--	--	--	--
2-Chloronaphthalene	<100	--	--	--	--
4-Chlorophenyl phenyl ether	<100	--	--	--	--
Di-n-butyl phthalate	<100	--	--	--	--
Di-n-octyl phthalate	<100	--	--	--	--
1,2-Dichlorobenzene	<5	--	--	--	--
1,3-Dichlorobenzene	<5	--	--	--	--
1,4-Dichlorobenzene	<100	--	--	--	--
3,3-Dichlorobenzidine	<200	--	--	--	--
Diethyl phthalate	<100	--	--	--	--
Dimethyl phthalate	<100	--	--	--	--
2,4-Dinitrotoluene	<100	--	--	--	--
2,6-Dinitrotoluene	<100	--	--	--	--
Hexachlorobenzene	<100	--	--	--	--
Hexachlorobutadiene	<100	--	--	--	--
Hexachlorocyclopentadiene	<100	--	--	--	--
Hexachloroethane	<100	--	--	--	--
Isophorone	<100	--	--	--	--
N-Nitrosodi-n-propylamine	<100	--	--	--	--
N-Nitrosodiphenylamine	<100	--	--	--	--
2-Nitroaniline	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--
Nitrobenzene	<100	--	--	--	--
1,2,4-Trichlorobenzene	<100	--	--	--	--

-- Not analyzed.

J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.

.031

01/26/94

TABLE 4.6-15

WATER TREATMENT UNIT
GRAB SAMPLES FROM EACH
TANK AFTER TREATMENT
PESTICIDES AND PCBs

(concentrations in ug/L)

	G5513E -------- 11/10/93
PESTICIDES	
Aldrin	<100
a-BHC	<100
b-BHC	<100
d-BHC	<100
g-BHC (Lindane)	<100
Alpha Chlordane	--
Gamma Chlordane	--
4,4'-DDD	<100
4,4'-DDE	<100
4,4'-DDT	<100
Dieldrin	<100
Endosulfan I	<100
Endosulfan II	<100
Endosulfan Sulfate	<100
Endrin	<100
Endrin Aldehyde	<100
Endrin Ketone	--
Heptachlor	<100
Heptachlor Epoxide	<100
Methyloxyclor	--
Toxaphene	<500
PCBs	
PCB-1016	<500
PCB-1221	<500
PCB-1232	<500
PCB-1242	<500
PCB-1248	<500
PCB-1254	<500
PCB-1260	<500

-- Not analyzed.

.031

01/26/94

TABLE 4.6-16

WATER TREATMENT UNIT
GRAB SAMPLES FROM EACH
TANK AFTER TREATMENT
GENERAL PARAMETERS

(concentrations in mg/L, unless noted otherwise)

	G5513E	CG426D	CG398D	CS505E
	11/10/93	11/11/93	11/15/93	11/15/93
Acidity as CaCO3	--	--	--	--
Total Alkalinity as CaCO3	--	--	--	--
Alkalinity, Phenolphthalein as CaCO3	--	--	--	--
Biochemical Oxygen Demand (5-day)	130	85	200	290
Cation-Anion Balance, %	--	--	--	--
Chloride	--	--	--	--
Chemical Oxygen Demand	290	180	370	410
Total Hardness as CaCO3	--	--	--	--
Ammonia Nitrogen	--	--	--	--
Nitrate	--	--	--	--
Nitrite	--	--	--	--
Oil and Grease	--	--	--	--
Phosphorus, Total	--	--	--	--
Specific Gravity @4oC	--	--	--	--
Sulfate	--	--	--	--
Total Dissolved Solids	--	--	--	--
Total Organic Carbon	--	--	--	--
Sulfide, total	--	--	--	--
Suspended Solids, total	14	--	--	--
Turbidity	--	--	--	--

-- Not analyzed.

.031

01/26/94

TABLE 4.6-17

WATER TREATMENT UNIT
BAG FILTER TESTING
OF TREATED WATER
GENERAL PARAMETERS

(concentrations in mg/L, unless noted otherwise)

	CG426D		CG426D -- Filtered Samples			CG398D
			50 mf	25 mf	5 mf	
	11/11/93	12/02/93	12/02/93	12/02/93	12/02/93	11/15/93
Cyanide, total	--	0.07	--	--	--	--
Cyanide, filtered	--	--	0.12	0.12	0.08	--
Thiocyanate	--	83	81	80	79	--
o-Cresol, ug/L	98 J	--	--	--	--	230
p-Cresol, ug/L	250	--	--	--	--	560
Phenol, ug/L	--	--	--	--	--	--

	CG398D 25 mf	GS505E 25 mf
	12/02/93	12/02/93
Cyanide, total	--	--
Cyanide, filtered	--	--
Thiocyanate	--	--
o-Cresol, ug/L	330 J	1200 J
p-Cresol, ug/L	740 J	3400 J
Phenol, ug/L	6900 J	18000 J

-- Not analyzed.
J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.
mf Micron filter.
.031
01/26/94

TABLE 4.6-18

WATER TREATMENT UNIT
FILTER CAKE SAMPLE
TCLP ANALYSIS

(concentrations in ug/L)

	FILTER CAKE -------- 12/03/93
VOLATILE ORGANIC COMPOUNDS	
Benzene	25 U
2-Butanone	84
Carbon Tetrachloride	25 U
Chlorobenzene	25 U
Chloroform	25 U
1,2-Dichloroethane	25 U
1,1-Dichloroethene	25 U
Tetrachloroethene	25 U
Trichloroethene	25 U
Vinyl Chloride	50 U
SEMIVOLATILE ORGANIC COMPOUNDS	
m-Cresol	170
o-Cresol	430 c
p-Cresol	430 c
1,4-Dichlorobenzene	50 U
2,4-Dinitrotoluene	50 U
Hexachlorobenzene	50 U
Hexachlorobutadiene	50 U
Hexachloroethane	50 U
Nitrobenzene	50 U
Pentachlorophenol	250 U
Pyridine	250 U
2,4,5-Trichlorophenol	250 U
2,4,6-Trichlorophenol	50 U
PESTICIDES	
g-BHC (Lindane)	2.0 U
Chlordane	10 U
2,4-D	100 U
Endrin	2.0 U
Heptachlor	2.0 U
Heptachlor Epoxide	2.0 U
Methyloxychlor	10 U
Toxaphene	50 U
2,4,5-TP (Silvex)	10 U
METALS	
Arsenic	158
Barium	1150
Cadmium	3.2 U
Chromium	2.4 U
Lead	14.1 U
Mercury	0.13 U
Selenium	17.6 U
Silver	2.2 U

---

c o-cresol coelutes with p-cresol.
U Not detected.
.031
01/26/94

TABLE 4.7-1

SOIL QUALITY DATA
BLANK SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	LAB BLANK -------- 08/31/93
Arsenic, total	<2.0
Cyanide, total	<1.0
Aluminum	--
Antimony	--
Barium	--
Beryllium	--
Cadmium	<10.0
Calcium	--
Chromium, total	--
Cobalt	--
Copper	--
Iron	--
Lead	<0.6
Magnesium	--
Manganese	--
Mercury	<0.10
Nickel	--
Potassium	--
Selenium	<1.0
Silver	--
Sodium	--
Thallium	--
Vanadium	--
Zinc	--

-- Not analyzed.
3,.020
01/06/94

TABLE 4.7-1 (cont.)

SOIL QUALITY DATA
BLANK SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	PREPARATION BLANKS							
	09/23/93	09/27/93	09/28/93	09/29/93	09/30/93	10/01/93	10/04/93	10/04/93
Arsenic, total	0.200 U	0.416 B	0.200 U	0.200 U	0.200 U	0.200 U	1.124 B	--
Cyanide, total	0.100 U	0.100 U	0.096 U	0.096 U	0.096 U	0.096 U	0.096 U	0.096 U
Aluminum	--	--	--	--	--	--	2.720 U	--
Antimony	--	--	--	--	--	--	2.340 U	--
Barium	--	--	--	--	--	--	0.066 B	--
Beryllium	--	--	--	--	--	--	0.030 U	--
Cadmium	0.584 U	0.584 U	0.584 U	0.584 U	0.584 U	0.584 U	0.584 U	--
Calcium	--	--	--	--	--	--	2.480 U	--
Chromium, total	--	--	--	--	--	--	0.468 U	--
Cobalt	--	--	--	--	--	--	0.378 U	--
Copper	--	--	--	--	--	--	0.288 U	--
Iron	--	--	--	--	--	--	0.878 U	--
Lead	0.326 U	0.326 U	0.326 U	0.326 U	0.326 U	0.326 U	0.326 U	--
Magnesium	--	--	--	--	--	--	3.360 U	--
Manganese	--	--	--	--	--	--	0.138 U	--
Mercury	0.080 B	0.021 U	0.028 B	0.021 U	0.021 U	0.021 U	0.021 U	0.059 B
Nickel	--	--	--	--	--	--	1.738 U	--
Potassium	--	--	--	--	--	--	157.600 U	--
Selenium	0.480 B	0.303 U	0.352 B	0.303 U	0.303 U	0.303 U	0.303 U	--
Silver	--	--	--	--	--	--	0.322 U	--
Sodium	--	--	--	--	--	--	17.708 B	--
Thallium	--	--	--	--	--	--	0.278 U	--
Vanadium	--	--	--	--	--	--	0.380 U	--
Zinc	--	--	--	--	--	--	0.376 U	--

-- Not analyzed.
B Reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
U Not detected.
3,.020
01/26/94

TABLE 4.7-1 (cont.)

SOIL QUALITY DATA
BLANK SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	PREPARATION BLANKS							
	10/04/93	10/05/93	10/05/93	10/05/93	10/05/93	10/05/93	10/06/93	10/07/93
Arsenic, total	0.200 U	0.200 U	--	0.200 U	0.200 U	0.260 B	0.260 B	17.000 U
Cyanide, total	0.096 U	0.096 U	0.096 U	0.100 U	--	--	0.096 U	--
Aluminum	2.878 B	2.720 U	--	--	--	--	--	--
Antimony	2.340 U	2.340 U	--	--	--	--	--	--
Barium	0.124 B	0.066 U	--	--	--	--	--	1.840 B
Beryllium	0.030 U	0.030 U	--	--	--	--	--	--
Cadmium	0.584 U	0.584 U	--	0.584 U	0.584 U	0.584 U	0.584 U	2.920 U
Calcium	2.480 U	2.480 U	--	--	--	--	--	--
Chromium, total	0.468 U	0.468 U	--	--	--	--	--	2.340 U
Cobalt	0.486 B	0.378 U	--	--	--	--	--	--
Copper	0.288 U	0.288 U	--	--	--	--	--	--
Iron	0.878 U	1.038 B	--	--	--	--	--	--
Lead	0.326 U	0.326 U	--	0.326 U	0.326 U	0.326 U	0.326 U	16.000 U
Magnesium	3.360 U	3.360 U	--	--	--	--	--	--
Manganese	0.138 U	0.140 B	--	--	--	--	--	--
Mercury	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	--	0.032 B	0.055 B
Nickel	1.738 U	1.738 U	--	--	--	--	--	--
Potassium	157.600 U	157.600 U	--	--	--	--	--	--
Selenium	0.303 U	0.303 U	--	0.303 U	0.303 U	0.303 U	0.303 U	28.400 B
Silver	0.322 U	0.322 U	--	--	--	--	--	1.610 U
Sodium	27.490 B	19.588 B	--	--	--	--	--	--
Thallium	0.278 U	0.278 U	--	--	--	--	--	--
Vanadium	0.380 U	0.380 U	--	--	--	--	--	--
Zinc	0.376 U	0.510 B	--	--	--	--	--	--

-- Not analyzed.
B Reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
U Not detected.
3,.020
01/26/94

TABLE 4.7-1 (cont.)

SOIL QUALITY DATA
BLANK SAMPLES
INORGANIC COMPOUNDS

(concentrations in mg/kg)

	PREPARATION BLANKS		
	10/08/93	10/08/93	11/01/93
Arsenic, total	0.200 U	--	0.240 B
Cyanide, total	0.096 U	0.096 U	0.100 U
Aluminum	--	--	--
Antimony	--	--	--
Barium	--	--	--
Beryllium	--	--	--
Cadmium	0.584 U	--	0.638 U
Calcium	--	--	--
Chromium, total	--	--	--
Cobalt	--	--	--
Copper	--	--	--
Iron	--	--	--
Lead	0.326 U	--	0.326 U
Magnesium	--	--	--
Manganese	--	--	--
Mercury	0.021 U	--	0.021 B
Nickel	--	--	--
Potassium	--	--	--
Selenium	0.303 U	--	0.336 B
Silver	--	--	--
Sodium	--	--	--
Thallium	--	--	--
Vanadium	--	--	--
Zinc	--	--	--

-- Not analyzed.
B Reported value is less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
U Not detected.
3,.020
01/26/94

TABLE 4.7-2

SOIL QUALITY DATA
BLANK SAMPLES
VOLATILE ORGANIC COMPOUNDS

(concentrations in ug/kg)

	LAB BLANKS							
	03/05/92	03/05/92	03/05/92	03/07/92	03/09/92	03/10/92	03/10/92	03/11/92
BETX COMPOUNDS								
Benzene	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Ethyl Benzene	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Toluene	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Xylenes	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
CHLORINATED COMPOUNDS								
Bromodichloromethane	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Carbon Tetrachloride	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Chloroethane	10 U	10 UJ	1200 U	10 U	10 U	10 U	1200 U	10 U
Chloroform	2 J	10 U	350 J	10 U	10 U	10 U	180 J	10 U
Chloromethane	10 U	10 UJ	1200 U	10 U	10 U	10 U	1200 U	10 U
Chlorobenzene	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Chlorodibromomethane	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
1,1-Dichloroethane	10 U	10 UJ	1200 U	10 U	10 U	10 U	1200 U	10 U
1,2-Dichloroethane	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
1,1-Dichloroethylene	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
1,2-Dichloroethylene	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
1,2-Dichloropropane	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Cis-1,3-Dichloro-1-propene	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Trans-1,3-Dichloro-1-propene	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Methylene Chloride	5 J	10	170 J	10	9 J	9 J	240 J	9 J
Styrene	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Tetrachloroethylene	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
1,1,1-Trichloroethane	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
1,1,2-Trichloroethane	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Trichloroethylene	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Vinyl Chloride	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
OTHER COMPOUNDS								
Acetone	11	9 J	1200 U	9 J	5 J	5 J	740 J	5 J
Bromoform	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Bromomethane	10 U	10 UJ	1200 U	10 U	10 U	10 U	1200 U	10 U
Carbondisulfide	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
2-Hexanone	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U
Methyl Ethyl Ketone	10 U	10 U	1200 U	10 U	10 U	10 U	900 J	10 U
Methyl Isobutyl Ketone	10 U	10 U	1200 U	10 U	10 U	10 U	1200 U	10 U

J Associated value is qualified as an estimate. The value is considered to be acceptable and usable.

U Not detected. Note that the laboratory would have reported, with a J qualifier, any detected concentration below the stated quantitation limit but above the laboratory's method detection limit. The laboratory's method detection limit is typically about 10 percent of the stated quantitation limit in the table.

3,.015
01/25/94