

TABLE F-1
TIOGA CASTINGS SITE
SURFACE SOIL SAMPLING
VOLATILE ORGANIC RESULTS

SAMPLE ID	TCSSS6	TCSSS9	TCSSS10	TCSSS13	TCSSS15
DEPTH	(0-6")	(0-6")	(0-6")	(0-6")	(0-6")
DATE OF COLLECTION	4/30/93	4/28/93	4/28/93	4/28/93	4/28/93
% MOISTURE	21	9	25	19	26
DILUTION FACTOR	1	1	1	1	1
COMPOUNDS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Acetone	21 B	15 B	12 JB	U	50 B
Benzene	U	U	U	U	U
Bromodichloromethane	U	U	U	U	U
Bromoform	U	U	U	U	U
Bromomethane	U	U	U	U	U
2-Butanone	U	U	U	U	U
Carbon Disulfide	U	U	U	U	U
Carbon Tetrachloride	U	U	U	U	U
Chlorobenzene	U	U	U	U	U
Chloroethane	U	U	U	U	U
Chloroform	U	U	U	U	U
Chloromethane	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U
Dibromochloromethane	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U
1,1-Dichloroethene	U	U	U	U	U
1,2-Dichloroethene (total)	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U
Ethylbenzene	U	U	U	U	U
2-Hexanone	U	U	U	U	U
Methylene Chloride	4 JB	2 J	U	3 JB	4 JB
4-Methyl-2-pentanone	U	U	U	U	U
Styrene	U	U	U	U	U
Tetrachloroethene	U	U	U	U	U
Toluene	U	U	0.9 J	U	U
trans-1,3-Dichloropropene	U	U	U	U	U
Trichloroethene	U	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U
Vinyl Chloride	U	U	U	U	U
Xylene (total)	U	U	U	U	U
Total VOCs	0	2	0.9	0	0

QUALIFIERS

B: Compound found in the blank as well as the sample

J: Compound concentration is estimated, found below the detection limit

U: Compound analyzed for but not detected

TABLE F-2
TIOGA CASTINGS SITE
SURFACE SOIL SAMPLING
SEMIVOLATILE ORGANIC RESULTS

SAMPLE ID	TCSSS1	TCSSS6	TCSSS9	TCSSS10	TCSSS13	TCSSS15
DEPTH	(0-6")	(0-6")	(0-6")	(0-6")	(0-6")	(0-6")
DATE OF COLLECTION	4/28/93	4/30/93	4/28/93	4/28/93	4/28/93	4/28/93
% MOISTURE	20	20	8	23	23	28
DILUTION FACTOR	10	70	2	2	1	25
COMPOUNDS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Acenaphthene	U	U	U	U	U	U
Acenaphthylene	U	U	U	U	U	U
Anthracene	U	U	U	82 J	88 J	U
Benz(a)anthracene	U	U	U	U	380 J	U
Benz(a)pyrene	840 J	U	U	U	400 J	U
Benz(b)fluoranthene	1400 J	U	U	U	890	U
Benz(g,h,i)perylene	U	U	U	U	U	U
Benz(k)fluoranthene	300 J	U	U	U	100 J	U
bis(2-Chloroethoxy)methane	U	U	U	U	U	U
bis(2-Chloroethyl)ether	U	U	U	U	U	U
bis(2-Ethylhexyl)phthalate	U	120000	200 J	780 J	210 J	U
4-Bromophenyl-phenylether	U	U	U	U	U	U
Butylbenzylphthalate	U	U	U	150 JB	34 JB	U
Carbazole	U	U	U	U	100 J	U
4-Chloroaniline	U	U	U	U	U	U
4-Chloro-3-methylphenol	U	U	U	U	U	U
2-Chloronaphthalene	U	U	U	U	U	U
2-Chlorophenol	U	U	U	U	U	U
4-Chlorophenyl-phenylether	U	U	U	U	U	U
Chrysene	1100 J	U	U	180 J	480	U
Dibenzofuran	210 J	U	U	230 J	U	U
Dibenz(a,h)anthracene	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U
1,3-Dichlorobenzene	U	U	U	U	U	U
1,4-Dichlorobenzene	U	U	U	U	U	U
3,3'-Dichlorobenzidine	U	U	U	U	U	U
2,4-Dichlorophenol	U	U	U	U	U	U
Diethylphthalate	U	U	44 J	U	U	U
Dimethylphthalate	U	U	U	U	U	U
2,4-Dimethylphenol	U	U	U	U	U	U
Di-n-butylphthalate	200 JB	890 JB	100 JB	110 JB	67 JB	U
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U
2,4-Dinitrophenol	U	U	U	U	U	U
2,4-Dinitrotoluene	U	U	U	U	U	U
2,6-Dinitrotoluene	U	U	U	U	U	U
Di-n-octylphthalate	U	U	U	U	U	U
Fluoranthene	1000 J	U	U	220 J	720	U
Fluorene	U	U	U	U	U	U
Hexachlorobenzene	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U	U
Hexachlorocyclopentadiene	U	U	U	U	U	U
Hexachloroethane	U	U	U	U	U	U
Indeno(1,2,3-cd)pyrene	840 J	U	U	U	U	U
Isochlorone	U	U	U	U	U	U
2-Methylnaphthalene	570 J	1500 J	110 J	820 J	40 J	U
2-Methylphenol	U	U	U	U	U	U
4-Methylphenol	U	U	U	U	U	U
Naphthalene	320 J	1400 J	120 J	890	35 J	U
2-Nitroaniline	U	U	U	U	U	U
3-Nitroaniline	U	U	U	U	U	U
4-Nitroaniline	U	U	U	U	U	U
Nitrobenzene	U	U	U	U	U	U
2-Nitrophenol	U	U	U	U	U	U
4-Nitrophenol	U	U	U	U	U	U
N-Nitrosodiphenylamine (1)	U	U	U	U	U	U
N-Nitroso-di-n-propylamine	U	U	U	U	U	U
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U
Pentachlorophenol	U	U	U	U	U	U
Phenanthrene	790 J	U	140 J	820 J	370 J	U
Phenol	U	880 J	U	U	U	U
Pyrene	1100 J	U	U	240 J	730	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U
2,4,6-Trichlorophenol	U	U	U	U	U	U
2,4,6-Trichlorophenol	U	U	U	U	U	U
Total PAHs	7890	1400	260	2432	4163	0
Total CHAHs	4480	0	0	180	2250	0
Total SVOCs	8870	124470	714	4522	2844	0

QUALIFIERS

B. Compound found in the blank as well as the sample

J. Compound concentration is estimated, found below the detection limit

U. Compound analyzed for but not detected

88100

TABLE F-3
TIOGA CASTINGS SITE
SURFACE SOIL SAMPLING
PESTICIDE/PCB RESULTS

SAMPLE ID	TCSSS1	TCSSS2	TCSSS6	TCSSS6DL	TCSSS9	TCSSS10	TCSSS13	TCSSS15	TCSSS15DL
DEPTH	(0-6")	(0-6")	(0-6")	(0-6")	(0-6")	(0-6")	(0-6")	(0-6")	(0-6")
DATE OF COLLECTION	4/20/93	4/28/93	4/30/93	4/30/93	4/28/93	4/28/93	4/28/93	4/28/93	4/28/93
% MOISTURE	32	17	19	19	9	24	27	28	28
DILUTION FACTOR	1	1	5	50	1	1	1	2.5	25
COMPOUNDS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Aldrin	U	U	U	U	U	U	U	U	U
alpha-BHC	U	U	U	U	U	U	U	U	U
alpha-Chlordane	U	U	U	U	U	U	U	U	U
Aroclor - 1016	U	U	U	U	U	U	U	U	U
Aroclor - 1221	U	U	U	U	U	U	U	U	U
Aroclor - 1232	U	U	U	U	U	U	U	U	U
Aroclor - 1242	U	U	U	U	U	U	U	U	U
Aroclor - 1248	U	U	U	U	U	U	U	U	U
Aroclor - 1254	U	43 P	U	U	U	U	U	U	U
Aroclor - 1260	U	110 P	U	U	U	U	110 P	430 P	860 JPD
beta-BHC	U	U	U	U	U	U	U	U	U
delta-BHC	U	U	U	U	0.86 JP	U	U	U	U
4,4'-DDD	U	U	U	U	U	U	U	U	U
4,4'-DDE	U	U	U	U	U	U	U	U	U
4,4'-DDT	7.8 P	U	U	U	U	U	7.1 P	U	U
Dieldrin	U	U	U	U	U	U	U	U	U
Endosulfan I	U	U	U	U	U	U	U	U	U
Endosulfan II	U	U	U	U	U	U	U	U	U
Endosulfan Sulfate	U	U	26 P	U	U	U	U	U	U
Endrin	U	U	21 P	U	U	U	U	U	U
Endrin Aldehyde	U	U	U	U	U	U	U	U	U
Endrin-Ketone	U	U	U	U	U	U	U	U	U
gamma-BHC	U	U	U	U	U	U	U	U	U
gamma-Chlordane	U	U	U	U	U	U	U	U	U
Heptachlor	U	U	U	U	U	U	U	U	U
Heptachlor Epoxide	U	U	5.2 JP	U	U	U	U	U	U
Methoxychlor	U	U	U	U	U	U	U	U	U
Toxaphene	U	U	U	U	U	U	U	U	U
Total Pesticides	7.8	0	52.2	0	0.86	0	7.1	0	0
Total PCBs	0	153	0	0	0	0	110	430	860

QUALIFIERS

D: Concentration from diluted run

P: Percent difference greater than 25% between the primary and confirmation columns

U: Compound analyzed for but not detected

NOTES

DL: Sample analyzed at a secondary dilution

TABLE F-5
TIOGA CASTINGS SITE
FLOOR DRAIN SEDIMENT SAMPLING
VOLATILE ORGANIC RESULTS

SAMPLE ID	TCSDS1	TCSDS3	TCSDS4	TCF82
DEPTH	NA	NA	NA	NA
DATE OF COLLECTION	4/15/93	4/15/93	4/15/93	4/15/93
% MOISTURE	32	18	80	NA
DILUTION FACTOR	1	1	5	1
COMPOUNDS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)
Acetone	31	16	140	U
Benzene	2 J	U	6 J	U
Bromodichloromethane	U	U	U	U
Bromoform	U	U	U	U
Bromomethane	U	U	U	U
2-Butanone	8 J	U	40 J	U
Carbon Disulfide	U	U	14 J	U
Carbon Tetrachloride	U	U	U	U
Chlorobenzene	U	U	U	U
Chloroethane	U	U	U	U
Chloroform	U	U	U	U
Chloromethane	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U
Dibromochloromethane	U	U	U	U
1,1-Dichloroethane	4 J	U	U	U
1,2-Dichloroethane	U	U	U	U
1,1-Dichloroethene	U	U	U	U
1,2-Dichloroethene (total)	U	U	U	U
1,2-Dichloropropane	U	U	U	U
Ethylbenzene	3 J	U	18 J	U
2-Hexanone	U	U	25 J	U
Methylene Chloride	6 JB	U	U	U
4-Methyl-2-pentanone	U	U	U	U
Styrene	U	U	U	U
Tetrachloroethene	U	U	U	U
Toluene	9 J	U	U	U
trans-1,3-Dichloropropene	U	U	U	U
Trichloroethene	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U
Vinyl Chloride	U	U	U	U
Xylene (total)	35	U	160	U
Total VOCs	92	16	403	0

QUALIFIERS

B: Compound found in the blank as well as the sample

J: Compound concentration is estimated, found below the detection limit

U: Compound analyzed for but not detected

TABLE F-6
TIOGA CASTINGS SITE
FLOOR DRAIN SEDIMENT SAMPLING
SEMIVOLATILE ORGANIC RESULTS

SAMPLE ID	TCSDS1	TCSDS1RE	TCSDS3	TCSDS4	TCFB2
DEPTH	NA	NA	NA	NA	NA
DATE OF COLLECTION	4/15/93	4/15/93	4/15/93	4/15/93	4/15/93
% MOISTURE	32	32	18	80	NA
DILUTION FACTOR	5	25	1	20	1
COMPOUNDS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)
Acenaphthene	U	U	U	U	U
Acenaphthylene	U	U	U	U	U
Anthracene	U	U	67 J	U	U
Benzo(a)anthracene	U	U	U	U	U
Benzo(a)pyrene	U	U	72 J	U	U
Benzo(b)fluoranthene	U	U	72 J	U	U
Benzo(g,h,i)perylene	U	U	U	U	U
Benzo(k)fluoranthene	U	U	U	U	U
bis(2-Chloroethoxy)methane	U	U	U	U	U
bis(2-Chloroethyl)ether	U	U	U	U	U
bis(2-Ethylhexyl)phthalate	22000 B	60000 B	340 J	15000 B	U
4-Bromophenyl-phenylether	U	U	U	U	U
Butylbenzylphthalate	U	U	U	540 J	U
Carbazole	U	U	U	U	U
4-Chloroaniline	U	U	U	4900 J	U
4-Chloro-3-methylphenol	U	U	U	U	U
2-Chloronaphthalene	U	U	U	U	U
2-Chlorophenol	U	U	U	U	U
4-Chlorophenyl-phenylether	U	U	U	U	U
Chrysene	U	U	88 J	U	U
Dibenzofuran	370 J	U	200 J	140 J	U
Dibenz(a,h)anthracene	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U
1,3-Dichlorobenzene	U	U	U	U	U
1,4-Dichlorobenzene	U	U	U	1200 J	U
3,3'-Dichlorobenzidine	U	U	U	U	U
2,4-Dichlorophenol	U	U	U	U	U
Diethylphthalate	U	U	U	U	U
Dimethylphthalate	U	U	U	U	U
2,4-Dimethylphenol	U	U	100 J	U	U
Di-n-butylphthalate	550 JB	1200 JB	53 J	U	0.6 J
4,6-Dinitro-2-methylphenol	U	U	U	U	U
2,4-Dinitrophenol	U	U	U	U	U
2,4-Dinitrotoluene	U	U	35 J	U	U
2,5-Dinitrotoluene	U	U	U	U	U
Di-n-octylphthalate	U	U	U	5400 J	U
Fluoranthene	U	U	110 J	410 J	U
Fluorene	U	U	U	U	U
Hexachlorobenzene	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	U
Hexachlorocyclopentadiene	U	U	U	U	U
Hexachloroethane	U	U	U	U	U
Indeno(1,2,3-cd)pyrene	U	U	U	U	U
Isophorone	U	U	U	U	U
2-Methylnaphthalene	2200	3600 J	670	450 J	U
2-Methylphenol	U	U	140 J	U	U
4-Methylphenol	1500 J	2000 J	U	U	U
Naphthalene	2200	3000 J	880	500 J	U
2-Nitroaniline	U	U	U	U	U
3-Nitroaniline	U	U	U	U	U
4-Nitroaniline	U	U	U	U	U
Nitrobenzene	U	U	U	U	U
2-Nitrophenol	U	U	U	U	U
4-Nitrophenol	U	U	U	U	U
N-Nitrosodiphenylamine (1)	1400 J	U	U	U	U
N-Nitroso-di-n-propylamine	U	U	U	U	U
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U
Pentachlorophenol	U	U	U	U	U
Phenanthrene	U	3100 J	550	850 J	U
Phenol	U	U	U	U	U
Pyrene	U	U	150 J	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U
2,4,5-Trichlorophenol	U	U	U	U	U
2,4,6-Trichlorophenol	U	U	U	U	U
Total PAHs	2200	6100	1974	1760	0
Total CPAHs	0	0	237	0	0
Total SVOCs	30220	72800	3512	29300	0.6

QUALIFIERS

B: Compound found in the blank as well as the sample
J: Compound concentration is estimated, found below the detection limit
U: Compound analyzed for but not detected

NOTES

RE: Sample reanalyzed

TABLE F-7
TIOGA CASTINGS SITE
FLOOR DRAIN SEDIMENT SAMPLING
PESTICIDE/PCB RESULTS

SAMPLE ID	TCSDS1	TCSDS1DL	TCSDS3	TCSDS4	TCF82
DEPTH	NA	NA	NA	NA	NA
DATE OF COLLECTION	4/15/93	4/15/93	4/15/93	4/15/93	4/15/93
% MOISTURE	32	32	18	80	NA
DILUTION FACTOR	1	10	1	4	1
COMPOUNDS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)
Aldrin	29	U	U	U	U
alpha-BHC	U	U	U	U	U
alpha-Chlordane	U	U	U	U	U
Aroclor - 1016	U	U	U	U	U
Aroclor - 1221	U	U	U	U	U
Aroclor - 1232	U	U	U	U	U
Aroclor - 1242	U	U	U	U	U
Aroclor - 1248	U	U	U	U	U
Aroclor - 1254	U	U	U	U	U
Aroclor - 1260	U	U	U	U	U
beta-BHC	U	U	U	U	U
delta-BHC	U	U	U	U	U
4,4'-DDD	68	U	U	U	U
4,4'-DDE	50	55 PD	U	13 JP	U
4,4'-DDT	U	U	8.8 P	U	U
Dieldrin	U	U	U	U	U
Endosulfan I	U	U	U	U	U
Endosulfan II	U	U	U	U	U
Endosulfan Sulfate	U	U	U	U	U
Endrin	U	U	6.5 P	U	U
Endrin Aldehyde	U	U	U	U	U
Endrin-Ketone	U	U	U	U	U
gamma-BHC	U	U	U	U	U
gamma-Chlordane	U	U	U	U	U
Heptachlor	U	U	U	U	U
Heptachlor Epoxide	18 P	23 JPD	U	U	U
Methoxychlor	U	U	U	U	U
Toxaphene	U	U	U	U	U
Total Pesticides	165	78	15.3	13	0
Total PCBs	0	0	0	0	0

QUALIFIERS

D: Concentration from diluted run

P: Percent difference greater than 25% between the primary and confirmation columns

U: Compound analyzed for but not detected

NOTES

DL: Sample analyzed at a secondary dilution

TABLE F-9
TIOGA CASTINGS SITE
MONITORING WELL SOIL SAMPLING
VOLATILE ORGANIC RESULTS

SAMPLE ID	TCMW1S2
DEPTH	(10-12')
DATE OF COLLECTION	4/6/93
% MOISTURE	17
DILUTION FACTOR	1
COMPOUNDS	(ug/kg)
Acetone	10 JB
Benzene	U
Bromodichloromethane	U
Bromoform	U
Bromomethane	U
2-Butanone	U
Carbon Disulfide	U
Carbon Tetrachloride	U
Chlorobenzene	U
Chloroethane	U
Chloroform	U
Chloromethane	U
cis-1,3-Dichloropropene	U
Dibromochloromethane	U
1,1-Dichloroethane	U
1,2-Dichloroethane	U
1,1-Dichloroethene	U
1,2-Dichloroethene (total)	U
1,2-Dichloropropane	U
Ethylbenzene	U
2-Hexanone	U
Methylene Chloride	U
4-Methyl-2-pentanone	U
Styrene	U
Tetrachloroethene	U
Toluene	U
trans-1,3-Dichloropropene	U
Trichloroethene	U
1,1,1-Trichloroethane	U
1,1,2-Trichloroethane	U
1,1,2,2-Tetrachloroethane	U
Vinyl Chloride	U
Xylene (total)	U
Total VOCs	0

QUALIFIERS

B: Compound found in the blank as well as the sample

J: Compound concentration is estimated, found below the detection limit

U: Compound analyzed for but not detected

9
AC
-A
-A
0
0

QUALIFIERS
 B: Compound found in the blank as well as the sample
 J: Compound concentration is estimated, found below the detection limit
 U: Compound analyzed for but not detected

TABLE F-11
TIOGA CASTINGS SITE
MONITORING WELL SOIL SAMPLING
PESTICIDE/PCB RESULTS

SAMPLE ID	TCMW1S2
DEPTH	(10-12')
DATE OF COLLECTION	4/6/93
% MOISTURE	27
DILUTION FACTOR	1
COMPOUNDS	(ug/kg)
Aldrin	U
alpha-BHC	U
alpha-Chlordane	U
Aroclor - 1016	U
Aroclor - 1221	U
Aroclor - 1232	U
Aroclor - 1242	U
Aroclor - 1248	U
Aroclor - 1254	U
Aroclor - 1260	U
beta-BHC	U
delta-BHC	U
4,4'-DDD	U
4,4'-DDE	U
4,4'-DDT	U
Dieldrin	U
Endosulfan I	U
Endosulfan II	U
Endosulfan Sulfate	U
Endrin	U
Endrin Aldehyde	U
Endrin-Ketone	U
gamma-BHC	U
gamma-Chlordane	U
Heptachlor	U
Heptachlor Epoxide	U
Methoxychlor	U
Toxaphene	U
Total Pesticides	0
Total PCBs	0

QUALIFIERS

U: Compound analyzed for but not detected

TABLE F-14
TIOGA CASTINGS SITE
BOREHOLE SOIL SAMPLING
SEMIVOLATILE ORGANIC RESULTS

SAMPLE ID	TCBH1S2	TCBH2S1	TCBH3S2	TCBH4S1	TCBH5S1	TCSSFB
DEPTH	(8-10')	(2-4')	(8-10')	(0-2')	(6-8')	NA
DATE OF COLLECTION	4/12/93	4/13/93	4/12/93	4/8/93	4/12/93	4/12/93
% MOISTURE	16	7	21	12	14	NA
DILUTION FACTOR	1	1	1	1	1	1
COMPOUNDS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)
Acenaphthene	U	U	U	U	U	U
Acenaphthylene	U	U	U	U	U	U
Anthracene	13 J	13 J	28 J	8 J	15 J	U
Benzo(a)anthracene	U	U	36 J	U	U	U
Benzo(a)pyrene	U	25 J	55 J	24 J	U	U
Benzo(b)fluoranthene	U	U	U	34 J	U	U
Benzo(g,h,i)perylene	U	U	U	U	U	U
Benzo(k)fluoranthene	U	U	65 J	U	U	U
bis(2-Chloroethoxy)methane	U	U	U	U	U	U
bis(2-Chloroethyl)ether	U	U	U	U	U	U
bis(2-Ethylhexyl)phthalate	510 B	160 JB	440 B	320 JB	160 JB	U
4-Bromophenyl-phenylether	U	U	U	U	U	U
Butylbenzylphthalate	U	U	U	U	12 J	U
Carbazole	U	U	U	U	U	U
4-Chloroaniline	U	U	U	U	U	U
4-Chloro-3-methylphenol	U	U	U	U	U	U
2-Chloronaphthalene	U	U	U	U	U	U
2-Chlorophenol	U	U	10 J	U	U	U
4-Chlorophenyl-phenylether	U	U	U	U	U	U
Chrysene	U	50 J	73 J	30 J	30 J	U
Dibenzofuran	U	48 J	78 J	U	58 J	U
Dibenzo(a,h)anthracene	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U
1,3-Dichlorobenzene	U	U	U	U	U	U
1,4-Dichlorobenzene	U	U	U	U	U	U
3,3'-Dichlorobenzidine	U	U	U	U	U	U
2,4-Dichlorophenol	U	U	U	U	U	U
Diethylphthalate	U	U	U	U	U	U
Dimethylphthalate	U	U	U	U	U	U
2,4-Dimethylphenol	U	U	U	U	U	U
Di-n-butylphthalate	38 JB	U	U	23 JB	38 JB	0.5 JB
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U
2,4-Dinitrophenol	U	U	U	U	U	U
2,4-Dinitrotoluene	U	U	U	U	U	U
2,6-Dinitrotoluene	U	U	U	U	U	U
Di-n-octylphthalate	41 J	69 J	120 J	20 J	52 J	U
Fluoranthene	28 J	40 J	74 J	33 J	42 J	U
Fluorene	U	U	U	U	28 J	U
Hexachlorobenzene	U	U	U	U	U	U
Hexachlorocyclopentadiene	U	U	U	U	U	U
Hexachlorocyclopentadiene	U	U	U	U	U	U
Hexachloroethane	U	U	U	U	U	U
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U
Isophorone	U	U	U	U	U	U
2-Methylnaphthalene	180 J	170 J	320 J	78 J	270 J	U
2-Methylphenol	U	U	U	U	U	U
4-Methylphenol	U	U	U	U	26 J	U
Naphthalene	370 J	220 J	460 J	99 J	250 J	U
2-Nitroaniline	U	U	U	U	U	U
3-Nitroaniline	U	U	U	U	U	U
4-Nitroaniline	U	U	U	U	U	U
Nitrobenzene	U	U	U	U	U	U
2-Nitrophenol	U	U	U	U	U	U
4-Nitrophenol	U	U	U	U	U	U
N-Nitrosodiphenylamine (1)	U	U	U	U	U	U
N-Nitroso-di-n-propylamine	U	U	U	U	U	U
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	U
Pentachlorophenol	U	U	U	U	U	U
Phenanthrene	120 J	220 J	350 J	100 J	190 J	U
Phenol	U	U	380 J	U	45 J	U
Pyrene	U	89 J	U	34 J	40 J	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U
2,4,5-Trichlorophenol	U	U	U	U	U	U
2,4,6-Trichlorophenol	U	U	U	U	U	U
Total PAHs	531	666	1141	382	605	0
Total CPAHs	0	75	229	38	30	0
Total SVOCs	1300	1113	2487	601	1268	1.5

QUALIFIERS

B: Compound found in the blank as well as the sample
J: Compound concentration is estimated, found below the detection limit
U: Compound analyzed for but not detected

TABLE F-15
TIOGA CASTINGS SITE
BOREHOLE SOIL SAMPLING
PESTICIDE/PCB RESULTS

SAMPLE ID	TCBH1S2	TCBH2S1	TCBH3S2	TCBH4S1	TCBH5S1	TCSSFB
DEPTH	(8-10')	(2-4')	(8-10')	(0-2')	(6-8')	NA
DATE OF COLLECTION	4/12/93	4/13/93	4/12/93	4/8/93	4/12/93	4/12/93
% MOISTURE	16	7	21	12	14	NA
DILUTION FACTOR	1	1	1	1	1	1
COMPOUNDS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)
Aldrin	U	U	U	U	U	U
alpha-BHC	U	U	U	U	U	U
alpha-Chlordane	U	U	U	0.68 JP	U	U
Aroclor - 1016	U	U	U	U	U	U
Aroclor - 1221	U	U	U	U	U	U
Aroclor - 1232	U	U	U	U	U	U
Aroclor - 1242	U	U	U	U	U	U
Aroclor - 1248	U	U	U	U	U	U
Aroclor - 1254	U	U	U	U	U	U
Aroclor - 1260	U	U	U	U	U	U
beta-BHC	U	U	U	U	U	U
delta-BHC	U	U	U	U	U	U
4,4'-DDD	U	U	U	U	U	U
4,4'-DDE	U	U	U	U	U	U
4,4'-DDT	U	U	U	0.81 J	U	U
Dieldrin	U	U	U	U	U	U
Endosulfan I	U	U	U	U	U	U
Endosulfan II	U	U	U	U	U	U
Endosulfan Sulfate	U	18	U	U	U	U
Endrin	U	U	10 P	U	U	U
Endrin Aldehyde	U	U	U	U	U	U
Endrin-Ketone	U	U	U	U	U	U
gamma-BHC	U	U	U	U	U	U
gamma-Chlordane	U	U	U	U	U	U
Heptachlor	U	U	U	U	U	U
Heptachlor Epoxide	U	U	U	U	U	U
Methoxychlor	U	U	U	U	U	U
Toxaphene	U	U	U	U	U	U
Total Pesticides	0	18	10	1.49	0	0
Total PCBs	0	0	0	0	0	0

QUALIFIERS

P: Percent difference greater than 25% between the primary and confirmation columns

U: Compound analyzed for but not detected

TABLE F-18
TIOGA CASTINGS SITE
GROUNDWATER SAMPLING
VOLATILE ORGANIC RESULTS

SAMPLE ID	TCMWGW1	TCMWGW2	TCMWGW3	TCGWFB	NYSDEC CLASS GA
DATE OF COLLECTION	4/27/93	4/27/93	4/29/93	4/27/93	GROUNDWATER
DILUTION FACTOR	1	1	1	1	STANDARDS/GUIDELINES
COMPOUNDS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Acetone	4 JB	5 JB	6 JB	6 JB	----
Benzene	U	U	U	U	0.7 ST
Bromodichloromethane	U	U	U	U	50 GV
Bromoform	U	U	U	U	50 GV
Bromomethane	U	U	U	U	5 ST
2-Butanone	U	U	U	U	----
Carbon Disulfide	U	U	U	U	----
Carbon Tetrachloride	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	5 ST
Chloroethane	U	U	U	U	5 ST
Chloroform	U	U	U	U	7 ST
Chloromethane	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	5 ST
Dibromochloromethane	U	U	U	U	50 GV
1,1-Dichloroethane	U	U	U	U	5 ST
1,2-Dichloroethane	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	5 ST
1,2-Dichloroethene (total)	U	U	U	U	5 ST
1,2-Dichloropropane	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	5 ST
2-Hexanone	U	U	U	U	50 GV
Methylene Chloride	U	1 J	U	U	5 ST
4-Methyl-2-pentanone	U	U	U	U	----
Styrene	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	5 ST
Toluene	1 JB	1 JB	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	5 ST
Trichloroethene	U	U	U	U	5 ST
1,1,1-Trichloroethane	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	5 ST
Vinyl Chloride	U	U	U	U	2 ST
Xylene (total)	U	U	U	U	5 ST*

QUALIFIERS:

B: Compound found in the blank as well as the sample

J: Compound concentration is estimated, found below the detection limit

U: Compound analyzed for but not detected

ST: Standard

GV: Guidance Value

----: Not established

*: Applies to the sum

TABLE F-19
TIOGA CASTINGS SITE
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC RESULTS

SAMPLE ID	TCMWGW1	TCMWGW2	TCMWGW3	TCGWFB	NYCDEC CLASS GA
DATE OF COLLECTION	4/27/93	4/27/93	4/29/93	4/27/93	GROUNDWATER
DILUTION FACTOR	1	1	1	1	STANDARDS/GUIDELINES
COMPOUNDS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Acenaphthene	U	U	U	U	20 GV
Acenaphthylene	U	U	U	U	—
Anthracene	U	U	U	U	50 GV
Benzo(a)anthracene	U	U	U	U	0.002 GV *
Benzo(a)pyrene	U	U	U	U	NO ST
Benzo(b)fluoranthene	U	U	U	U	0.002 GV *
Benzo(g,h,i)perylene	U	U	U	U	—
Benzo(k)fluoranthene	U	U	U	U	0.002 GV *
bis(2-Chloroethoxy)methane	U	U	U	U	5 ST
bis(2-Chloroethyl)ether	U	U	U	U	1.0 ST
bis(2-Ethylhexyl)phthalate	0.7 JB	0.6 JB	0.5 JB	4 JB	50 ST
4-Bromophenyl-phenylether	U	U	U	U	—
Butylbenzylphthalate	U	U	U	U	50 GV
Carbazole	U	U	U	U	—
4-Chloroaniline	U	U	U	U	5 ST
4-Chloro-3-methylphenol	U	U	U	U	—
2-Chloronaphthalene	U	U	U	U	5 ST
2-Chlorophenol	U	U	U	U	1.0 ST **
4-Chlorophenyl-phenylether	U	U	U	U	—
Chrysene	U	U	U	U	0.002 GV *
Dibenzofuran	U	U	U	U	—
Dibenzo(a,h)anthracene	U	U	U	U	—
1,2-Dichlorobenzene	U	U	U	U	4.7 ST *
1,3-Dichlorobenzene	U	U	U	U	5 ST
1,4-Dichlorobenzene	U	U	U	U	4.7 ST *
3,3'-Dichlorobenzidine	U	U	U	U	5 ST
2,4-Dichlorophenol	U	U	U	U	1 ST **
Diethylphthalate	U	U	U	U	50 GV
Dimethylphthalate	U	U	U	U	50 GV
2,4-Dimethylphenol	U	U	U	U	—
Di-n-butylphthalate	0.6 JB	0.8 JB	0.5 J	1 JB	50 ST
4,6-Dinitro-2-methylphenol	U	U	U	U	—
2,4-Dinitrophenol	U	U	U	U	—
2,4-Dinitrotoluene	U	U	U	U	5 ST
2,6-Dinitrotoluene	U	U	U	U	5 ST
Di-n-octylphthalate	U	U	U	U	50 GV
Fluoranthene	U	U	U	U	50 GV
Fluorene	U	U	U	U	50 GV
Hexachlorobenzene	U	U	U	U	0.35 ST
Hexachlorobutadiene	U	U	U	U	5 ST
Hexachlorocyclopentadiene	U	U	U	U	5 ST
Hexachloroethane	U	U	U	U	5 ST
Indeno(1,2,3-cd)pyrene	U	U	U	U	0.002 GV
Isophorone	U	U	U	U	50 GV
2-Methylnaphthalene	U	U	U	U	—
2-Methylphenol	U	U	U	U	—
4-Methylphenol	U	U	U	U	—
Naphthalene	U	U	U	U	5 ST
2-Nitroaniline	U	U	U	U	5 ST
3-Nitroaniline	U	U	U	U	5 ST
4-Nitroaniline	U	U	U	U	5 ST
Nitrobenzene	U	U	U	U	5 ST
2-Nitrophenol	U	U	U	U	—
4-Nitrophenol	U	U	U	U	—
N-Nitrosodiphenylamine (1)	U	U	U	U	50 GV
N-Nitroso-di-n-propylamine	U	U	U	U	—
2,2'-oxybis(1-Chloropropane)	U	U	U	U	—
Pentachlorophenol	U	U	U	U	1 ST **
Phenanthrene	U	U	U	U	50 GV
Phenol	U	U	U	U	1 ST **
Pyrene	U	U	U	U	50 GV
1,2,4-Trichlorobenzene	U	U	U	U	10 GV
2,4,5-Trichlorophenol	U	U	U	U	—
2,4,6-Trichlorophenol	U	U	U	U	—

QUALIFIERS

B: Compound found in the blank as well as the sample

J: Compound concentration is estimated, found below the detect

U: Compound analyzed for but not detected

ST: Standard

GV: Guidance Value

ND: Non-detect

—: Not established

*: value pertains to the sum of the isomers

** : Value pertains to total phenols

TABLE F-20
TIOGA CASTINGS SITE
GROUNDWATER SAMPLING
PESTICIDE/PCB RESULTS

SAMPLE ID	TCMWGW1	TCMWGW2	TCMWGW3	TCGWFB	NYSDEC CLASS GA
DATE OF COLLECTION	4/27/93	4/27/93	4/27/93	4/27/93	GROUNDWATER
DILUTION FACTOR	1	1	1.05	1	STANDARDS/GUIDELINES
COMPOUNDS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Aldrin	U	U	U	U	ND
alpha-BHC	U	U	U	U	ND
alpha-Chlordane	U	U	U	U	----
Aroclor - 1016	U	U	U	U	0.1 ST
Aroclor - 1221	U	U	U	U	0.1 ST
Aroclor - 1232	U	U	U	U	0.1 ST
Aroclor - 1242	U	U	U	U	0.1 ST
Aroclor - 1248	U	U	U	U	0.1 ST
Aroclor - 1254	U	U	U	U	0.1 ST
Aroclor - 1260	U	U	U	U	0.1 ST
beta-BHC	U	U	U	U	ND
delta-BHC	U	U	U	U	ND
4,4'-DDD	U	U	U	U	ND
4,4'-DDE	U	U	U	U	ND
4,4'-DDT	U	U	U	U	ND
Dieldrin	U	U	U	U	ND
Endosulfan I	U	U	U	U	----
Endosulfan II	U	U	U	U	----
Endosulfan Sulfate	U	U	U	U	----
Endrin	U	U	U	U	ND
Endrin Aldehyde	U	U	U	U	5 ST
Endrin-Ketone	U	U	U	U	----
gamma-BHC	U	U	U	U	ND
gamma-Chlordane	U	U	U	U	----
Heptachlor	U	U	U	U	ND
Heptachlor Epoxide	U	U	U	U	ND
Methoxychlor	U	U	U	U	35 ST
Toxaphene	U	U	U	U	ND

QUALIFIERS:

U: Compound analyzed for but not detected

ST: Standard

ND: Non-Detect

----: not established