

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample ID:		NYSDEC	GT-1	GT-1	GT-10	GT-12	GT-13	GT-14
Sample Date:		NYSDEC	GW-18631-RW-007	GW-18631-RW-008	GW-18631-RW-010	GW-18631-RW-009	GW-18631-RW-005	GW-18631-RW-004
		Water Quality	10/17/2001	10/17/2001	10/17/2001	10/17/2001	10/16/2001	10/16/2001
Parameter	Unit	Standards and Guidance Values		Duplicate				
		a						
Volatiles								
1,1,1-Trichloroethane	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	µg/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	50	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzene	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.1 ^a	1.0 U
Bromodichloromethane	µg/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Chlorobenzene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ
Chloroform (Trichloromethane)	µg/L	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.4 (a)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Styrene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.4 (a)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylene (total)	µg/L	5 (b)	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,3-Dichloropropene (total)	µg/L	0.4 (a)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

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Sample Location:	NYSDEC	GT-1	GT-1	GT-10	GT-12	GT-13	GT-14
Sample ID:	NYSDEC	GW-18631-RW-007	GW-18631-RW-008	GW-18631-RW-010	GW-18631-RW-009	GW-18631-RW-005	GW-18631-RW-004
Sample Date:	Water Quality	10/17/2001	10/17/2001	10/17/2001	10/17/2001	10/16/2001	10/16/2001
	Standards and		Duplicate				
Parameter	Unit	Guidance Values					
		a					

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OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-1</i>	<i>GT-1</i>	<i>GT-10</i>	<i>GT-12</i>	<i>GT-13</i>	<i>GT-14</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-007</i>	<i>GW-18631-RW-008</i>	<i>GW-18631-RW-010</i>	<i>GW-18631-RW-009</i>	<i>GW-18631-RW-005</i>	<i>GW-18631-RW-004</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>
		<i>Standards and</i>		<i>Duplicate</i>				
<i>Parameter</i>	<i>Unit</i>	<i>Guidance Values</i>						
		<i>a</i>						
<i>Semi-Volatiles</i>								
1,2,4-Trichlorobenzene	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	3	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	µg/L	3	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	3	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	µg/L	10	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2-Methyl naphthalene	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
3-Nitroaniline	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl phenyl ether	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	µg/L	20	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	µg/L	ND	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U

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<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-007</i>	<i>GW-18631-RW-008</i>	<i>GW-18631-RW-010</i>	<i>GW-18631-RW-009</i>	<i>GW-18631-RW-005</i>	<i>GW-18631-RW-004</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>
		<i>Standards and</i>		<i>Duplicate</i>				
<i>Parameter</i>	<i>Unit</i>	<i>Guidance Values</i>						
		<i>a</i>						
bis(2-Chloroethoxy)methane	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	µg/L	1	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U

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<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-007</i>	<i>GW-18631-RW-008</i>	<i>GW-18631-RW-010</i>	<i>GW-18631-RW-009</i>	<i>GW-18631-RW-005</i>	<i>GW-18631-RW-004</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>
		<i>Standards and</i>		<i>Duplicate</i>				
<i>Parameter</i>	<i>Unit</i>	<i>Guidance Values</i>						
		<i>a</i>						
Butyl benzylphthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	µg/L	0.04	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	µg/L	0.5	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
Hexachloroethane	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	µg/L	10	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	µg/L	0.4	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodi-n-propylamine	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	50 U	50 U
Phenanthrene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Metals								
Aluminum	µg/L	-	81.1 U	66.9 U	734 U	213 U	14.6 U	2830
Antimony	µg/L	3	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Arsenic	µg/L	25	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Barium	µg/L	1000	28.2	28.8	33.6	43.9	88.7	44.9
Beryllium	µg/L	3	0.077 U	0.077 U	0.077 U	0.077 U	0.077 U	0.24 U
Cadmium	µg/L	5	0.63 U	0.63 U	0.72	0.63 U	0.63 U	0.63 U
Calcium	µg/L	-	72600 J	74400 J	112000 J	131000 J	132000 J	118000 J
Chromium	µg/L	50	1.7	2.1	2.7	3.7	2.8	7.6
Cobalt	µg/L	-	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6

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<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>
		<i>Standards and</i>		<i>Duplicate</i>				
<i>Parameter</i>	<i>Unit</i>	<i>Guidance Values</i>						
		<i>a</i>						
Copper	µg/L	200	3.4 U	2.5 U	2.0 U	1.3 U	2.3	10.0
Iron	µg/L	300	111	113	1060 ^a	327 ^a	194	4710 ^a
Lead	µg/L	25	1.8 U	2.9	3.1	1.8 U	1.8 U	1.9

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<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>	<i>Duplicate</i>					
		<i>a</i>						
Magnesium	µg/L	35000	7340	7480	11200	13500	11300	15600
Manganese	µg/L	300	3.9	3.9	25.6	8.4	839 ^a	111
Mercury	µg/L	0.7	0.088 U	0.054 U	0.086 U	0.054 U	0.054 U	0.054 U
Nickel	µg/L	100	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U
Potassium	µg/L	-	795 U	519 U	755 U	942 U	1360	2200
Selenium	µg/L	10	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Silver	µg/L	50	0.75 U	0.75 U	0.75 U	1.6	0.75 U	0.75 U
Sodium	µg/L	20000	100000 ^a	105000 ^a	3690	31700 ^a	277000 ^a	2980
Thallium	µg/L	0.5	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U
Vanadium	µg/L	-	4.1 U	4.1 U	4.1 U	4.1 U	4.8	9.5
Zinc	µg/L	2000	3.2 U	4.1 U	7.3 U	3.2 U	10.9 U	51.3
PCBs								
Aroclor-1016 (PCB-1016)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1221 (PCB-1221)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1232 (PCB-1232)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1242 (PCB-1242)	µg/L	0.09	2.5 ^a	3.7 ^a	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1248 (PCB-1248)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1254 (PCB-1254)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260 (PCB-1260)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pesticides								
4,4'-DDD	µg/L	0.3	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
4,4'-DDE	µg/L	0.2	0.0055 J	0.0097 J	0.050 U	0.050 U	0.050 U	0.050 U
4,4'-DDT	µg/L	0.2	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aldrin	µg/L	ND	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
alpha-BHC	µg/L	0.01	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	µg/L	0.04	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Chlordane	µg/L	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
delta-BHC	µg/L	0.04	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Dieldrin	µg/L	0.004	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan I	µg/L	-	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	µg/L	-	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan sulfate	µg/L	-	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endrin aldehyde	µg/L	5	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endrin ketone	µg/L	5	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U

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OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-1</i>	<i>GT-1</i>	<i>GT-10</i>	<i>GT-12</i>	<i>GT-13</i>	<i>GT-14</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-007</i>	<i>GW-18631-RW-008</i>	<i>GW-18631-RW-010</i>	<i>GW-18631-RW-009</i>	<i>GW-18631-RW-005</i>	<i>GW-18631-RW-004</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>
		<i>Standards and</i>		<i>Duplicate</i>				
<i>Parameter</i>	<i>Unit</i>	<i>Guidance Values</i>						
		<i>a</i>						
Endrin	µg/L	ND	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
gamma-BHC (Lindane)	µg/L	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor epoxide	µg/L	0.03	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY
OCTOBER-NOVEMBER 2001
VON ROLLS ISOLA
OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-1</i>	<i>GT-1</i>	<i>GT-10</i>	<i>GT-12</i>	<i>GT-13</i>	<i>GT-14</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-007</i>	<i>GW-18631-RW-008</i>	<i>GW-18631-RW-010</i>	<i>GW-18631-RW-009</i>	<i>GW-18631-RW-005</i>	<i>GW-18631-RW-004</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>
		<i>Standards and</i>		<i>Duplicate</i>				
<i>Parameter</i>	<i>Unit</i>	<i>Guidance Values</i>						
		<i>a</i>						
Heptachlor	µg/L	0.04	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	µg/L	35	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Toxaphene	µg/L	0.06	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
General Chemistry								
Cyanide (total)	µg/L	200	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Phenolics (Total)	mg/L	1	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Total Petroleum Hydrocarbons (C21-C28)	mg/L	-	0.47 U	0.47 U	0.49 U	0.47 U	0.36 J	0.50 U

Notes:

- ND - Non-detect at associated value.
 U - Non-detect at associated value.
 J - Associated value is considered estimated.
 a - Standard applies sum of cis- and trans-1,3-Dichloropropene.
 b - Standard applies to m-, o-, and p-Xylene individually.
 c - Standard applies to sum of all phenolic parameters.
 d - Standard applies to PCB Aroclors individually.
 - NYSDEC Class GA exceedance.

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-15</i>	<i>GT-16</i>	<i>GT-3</i>	<i>GT-4</i>	<i>GT-5</i>	<i>GT-7</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-025</i>	<i>GW-18631-RW-019</i>	<i>GW-18631-RW-011</i>	<i>GW-18631-RW-013</i>	<i>GW-18631-RW-017</i>	<i>GW-18631-RW-021</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/18/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/18/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>						
		<i>a</i>						
Volatiles								
1,1,1-Trichloroethane	µg/L	5	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.4
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	50	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ
2-Hexanone	µg/L	50	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone	µg/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	50	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	3.5 J
Benzene	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	46 ^a
Bromodichloromethane	µg/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5	2.0 UJ	2.0 U	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ
Chloroform (Trichloromethane)	µg/L	7	1.0 U	1.0 U	1.0 U	1.0 U	4.4	1.0 U
Chloromethane	µg/L	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.4 (a)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	82 ^a
Methylene chloride	µg/L	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Styrene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 ^a
trans-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.4 (a)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	4.3	1.0 U	1.0 U	1.0 U	1.3	2.2
Vinyl chloride	µg/L	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylene (total)	µg/L	5 (b)	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	350 ^a
1,3-Dichloropropene (total)	µg/L	0.4 (a)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:	NYSDEC	GT-15	GT-16	GT-3	GT-4	GT-5	GT-7
Sample ID:	NYSDEC	GW-18631-RW-025	GW-18631-RW-019	GW-18631-RW-011	GW-18631-RW-013	GW-18631-RW-017	GW-18631-RW-021
Sample Date:	Water Quality	10/18/2001	10/17/2001	10/17/2001	10/17/2001	10/17/2001	10/18/2001
Parameter	Standards and						
	Unit						
	Guidance Values						
	a						

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-15</i>	<i>GT-16</i>	<i>GT-3</i>	<i>GT-4</i>	<i>GT-5</i>	<i>GT-7</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-025</i>	<i>GW-18631-RW-019</i>	<i>GW-18631-RW-011</i>	<i>GW-18631-RW-013</i>	<i>GW-18631-RW-017</i>	<i>GW-18631-RW-021</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/18/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/18/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>						
<i>a</i>								
<i>Semi-Volatiles</i>								
1,2,4-Trichlorobenzene	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	3	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	µg/L	3	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	3	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	µg/L	10	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2-Methyl naphthalene	µg/L	-	10 U	10 U	10 U	10 U	10 U	37
2-Methylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	1.3 J ^a
2-Nitroaniline	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
3-Nitroaniline	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl phenyl ether	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	µg/L	1 (c)	50 UJ	50 UJ	50 U	50 U	50 U	50 UJ
Acenaphthene	µg/L	20	10 U	10 U	10 U	10 U	10 U	0.73 J
Acenaphthylene	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	µg/L	ND	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	µg/L	-	10 U	10 U	10 U	10 U	10 UJ	10 U
Benzo(k)fluoranthene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>	<i>NYSDEC</i>	<i>GT-15</i>	<i>GT-16</i>	<i>GT-3</i>	<i>GT-4</i>	<i>GT-5</i>	<i>GT-7</i>
<i>Sample ID:</i>	<i>NYSDEC</i>	<i>GW-18631-RW-025</i>	<i>GW-18631-RW-019</i>	<i>GW-18631-RW-011</i>	<i>GW-18631-RW-013</i>	<i>GW-18631-RW-017</i>	<i>GW-18631-RW-021</i>
<i>Sample Date:</i>	<i>Water Quality</i>	<i>10/18/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/18/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>					
		<i>a</i>					
bis(2-Chloroethoxy)methane	µg/L	5	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	µg/L	1	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	µg/L	5	10 U	10 U	10 U	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-15</i>	<i>GT-16</i>	<i>GT-3</i>	<i>GT-4</i>	<i>GT-5</i>	<i>GT-7</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-025</i>	<i>GW-18631-RW-019</i>	<i>GW-18631-RW-011</i>	<i>GW-18631-RW-013</i>	<i>GW-18631-RW-017</i>	<i>GW-18631-RW-021</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/18/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/18/2001</i>
		<i>Standards and</i>						
<i>Parameter</i>	<i>Unit</i>	<i>Guidance Values</i>						
		<i>a</i>						
Butyl benzylphthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	µg/L	-	10 U	10 U	10 U	10 U	10 UJ	10 U
Dibenzofuran	µg/L	-	10 U	10 U	10 U	10 U	10 U	0.97 J
Diethyl phthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	µg/L	0.04	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	µg/L	0.5	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
Hexachloroethane	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	0.002	10 U	10 U	10 U	10 U	10 UJ	10 U
Isophorone	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	µg/L	10	10 U	10 U	10 U	10 U	10 U	75 ^a
Nitrobenzene	µg/L	0.4	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodi-n-propylamine	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	50 U	50 U
Phenanthrene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
<i>Metals</i>								
Aluminum	µg/L	-	23.8 U	544	2350	201 U	115 U	3400
Antimony	µg/L	3	4.1 U	4.1 U	4.1 U	4.1 U	4.7 ^a	4.1 U
Arsenic	µg/L	25	2.0 U	2.1	2.0 U	2.0 U	2.0 U	2.2
Barium	µg/L	1000	44.2	38.7	44.8	33.2	31.5	119
Beryllium	µg/L	3	0.077 U	0.090 U	0.080 U	0.077 U	0.077 U	0.18 U
Cadmium	µg/L	5	0.63 U	0.63 U	0.94	0.63 U	0.63 U	0.63 U
Calcium	µg/L	-	73300	116000	113000 J	81400 J	93700 J	174000
Chromium	µg/L	50	1.8	99.6 ^a	5.5	1.8	2.0	6.4
Cobalt	µg/L	-	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	4.6

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:	NYSDEC		GT-15	GT-16	GT-3	GT-4	GT-5	GT-7
Sample ID:	NYSDEC		GW-18631-RW-025	GW-18631-RW-019	GW-18631-RW-011	GW-18631-RW-013	GW-18631-RW-017	GW-18631-RW-021
Sample Date:	Water Quality		10/18/2001	10/17/2001	10/17/2001	10/17/2001	10/17/2001	10/18/2001
Parameter	Unit	Standards and	Guidance Values					
		a						
Copper	µg/L	200	4.3 U	3.8 U	10.2	2.3 U	1.3 U	8.8 U
Iron	µg/L	300	16.5 U	1300 ^a	3380 ^a	302 ^a	149	5170 ^a
Lead	µg/L	25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.3

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-15</i>	<i>GT-16</i>	<i>GT-3</i>	<i>GT-4</i>	<i>GT-5</i>	<i>GT-7</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-025</i>	<i>GW-18631-RW-019</i>	<i>GW-18631-RW-011</i>	<i>GW-18631-RW-013</i>	<i>GW-18631-RW-017</i>	<i>GW-18631-RW-021</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/18/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/18/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>						
		<i>a</i>						
Magnesium	µg/L	35000	10900	11700	11700	11100	12900	21300
Manganese	µg/L	300	0.88 U	23.2	89.2	9.0	4.5	2920 ^a
Mercury	µg/L	0.7	0.054 U	0.054 U	0.068 U	0.087 U	0.054 U	0.13
Nickel	µg/L	100	7.9 U	52.2	9.7	7.9 U	7.9 U	7.9 U
Potassium	µg/L	-	1070 U	1420 U	1760 U	1110 U	1370 U	3000 U
Selenium	µg/L	10	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Silver	µg/L	50	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Sodium	µg/L	20000	24600 ^a	58900 ^a	58300 ^a	47900 ^a	56800 ^a	114000 ^a
Thallium	µg/L	0.5	5.7 U	5.7 U	5.7 U	5.7 U	8.9 U	5.7 U
Vanadium	µg/L	-	7.5 U	5.2 U	7.1	4.1 U	4.1 U	10.1 U
Zinc	µg/L	2000	3.2 U	3.8	49.3	5.5 U	20.5 U	15.8
PCBs								
Aroclor-1016 (PCB-1016)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1221 (PCB-1221)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1232 (PCB-1232)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1242 (PCB-1242)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1248 (PCB-1248)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1254 (PCB-1254)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260 (PCB-1260)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pesticides								
4,4'-DDD	µg/L	0.3	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.010 J
4,4'-DDE	µg/L	0.2	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
4,4'-DDT	µg/L	0.2	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aldrin	µg/L	ND	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
alpha-BHC	µg/L	0.01	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	µg/L	0.04	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Chlordane	µg/L	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
delta-BHC	µg/L	0.04	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Dieldrin	µg/L	0.004	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan I	µg/L	-	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	µg/L	-	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.017 J
Endosulfan sulfate	µg/L	-	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endrin aldehyde	µg/L	5	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endrin ketone	µg/L	5	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-15</i>	<i>GT-16</i>	<i>GT-3</i>	<i>GT-4</i>	<i>GT-5</i>	<i>GT-7</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-025</i>	<i>GW-18631-RW-019</i>	<i>GW-18631-RW-011</i>	<i>GW-18631-RW-013</i>	<i>GW-18631-RW-017</i>	<i>GW-18631-RW-021</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/18/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/18/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and</i>						
		<i>Guidance Values</i>						
		<i>a</i>						
Endrin	µg/L	ND	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
gamma-BHC (Lindane)	µg/L	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.018 J
Heptachlor epoxide	µg/L	0.03	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.0034 J

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY
OCTOBER-NOVEMBER 2001
VON ROLLS ISOLA
OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-15</i>	<i>GT-16</i>	<i>GT-3</i>	<i>GT-4</i>	<i>GT-5</i>	<i>GT-7</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-025</i>	<i>GW-18631-RW-019</i>	<i>GW-18631-RW-011</i>	<i>GW-18631-RW-013</i>	<i>GW-18631-RW-017</i>	<i>GW-18631-RW-021</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/18/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/18/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>						
		<i>a</i>						
Heptachlor	µg/L	0.04	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	µg/L	35	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Toxaphene	µg/L	0.06	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
General Chemistry								
Cyanide (total)	µg/L	200	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Phenolics (Total)	mg/L	1	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Total Petroleum Hydrocarbons (C21-C28)	mg/L	-	0.46 U	0.49 U	0.50 U	0.47 U	0.47 U	8.7 J

Notes:

- ND - Non-detect at associated value.
 U - Non-detect at associated value.
 J - Associated value is considered estimated.
 a - Standard applies sum of cis- and trans-1,3-Dichloropropene.
 b - Standard applies to m-, o-, and p-Xylene individually.
 c - Standard applies to sum of all phenolic parameters.
 d - Standard applies to PCB Aroclors individually.
 - NYSDEC Class GA exceedance.

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-8</i>	<i>GT-9</i>	<i>GT-R2</i>	<i>Rinse Blank</i>	<i>SMW-1</i>	<i>SMW-2</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-016</i>	<i>GW-18631-RW-003</i>	<i>GW-18631-RW-006</i>	<i>GW-18631-RW-015</i>	<i>GW-18631-RW-014</i>	<i>GW-18631-RW-012</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/17/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and</i>						
		<i>Guidance Values</i>						
		<i>a</i>						
Volatiles								
1,1,1-Trichloroethane	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	50	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	50	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	µg/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	50	10 UJ	10 UJ	10 UJ	4.3 J	10 UJ	10 UJ
Benzene	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U
Chloroform (Trichloromethane)	µg/L	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.4 (a)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Styrene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.4 (a)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylene (total)	µg/L	5 (b)	3.0 U	8.2 ^a	3.0 U	3.0 U	3.0 U	3.0 U
1,3-Dichloropropene (total)	µg/L	0.4 (a)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:	NYSDEC	GT-8	GT-9	GT-R2	Rinse Blank	SMW-1	SMW-2
Sample ID:	NYSDEC	GW-18631-RW-016	GW-18631-RW-003	GW-18631-RW-006	GW-18631-RW-015	GW-18631-RW-014	GW-18631-RW-012
Sample Date:	Water Quality	10/17/2001	10/16/2001	10/16/2001	10/17/2001	10/17/2001	10/17/2001
Parameter	Standards and						
	Unit						
	Guidance Values						
	a						

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-8</i>	<i>GT-9</i>	<i>GT-R2</i>	<i>Rinse Blank</i>	<i>SMW-1</i>	<i>SMW-2</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-016</i>	<i>GW-18631-RW-003</i>	<i>GW-18631-RW-006</i>	<i>GW-18631-RW-015</i>	<i>GW-18631-RW-014</i>	<i>GW-18631-RW-012</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/17/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>						
		<i>a</i>						
<i>Semi-Volatiles</i>								
1,2,4-Trichlorobenzene	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	3	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	µg/L	3	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	3	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	µg/L	10	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2-Methyl naphthalene	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
3-Nitroaniline	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl phenyl ether	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	µg/L	20	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	µg/L	ND	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>	<i>NYSDEC</i>	<i>GT-8</i>	<i>GT-9</i>	<i>GT-R2</i>	<i>Rinse Blank</i>	<i>SMW-1</i>	<i>SMW-2</i>
<i>Sample ID:</i>	<i>NYSDEC</i>	<i>GW-18631-RW-016</i>	<i>GW-18631-RW-003</i>	<i>GW-18631-RW-006</i>	<i>GW-18631-RW-015</i>	<i>GW-18631-RW-014</i>	<i>GW-18631-RW-012</i>
<i>Sample Date:</i>	<i>Water Quality</i>	<i>10/17/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>					
		<i>a</i>					
bis(2-Chloroethoxy)methane	µg/L	5	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	µg/L	1	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	µg/L	5	10 U	10 U	10 U	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-8</i>	<i>GT-9</i>	<i>GT-R2</i>	<i>Rinse Blank</i>	<i>SMW-1</i>	<i>SMW-2</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-016</i>	<i>GW-18631-RW-003</i>	<i>GW-18631-RW-006</i>	<i>GW-18631-RW-015</i>	<i>GW-18631-RW-014</i>	<i>GW-18631-RW-012</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/17/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>
		<i>Standards and</i>						
<i>Parameter</i>	<i>Unit</i>	<i>Guidance Values</i>						
		<i>a</i>						
Butyl benzylphthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	µg/L	50	10 U	10 U	10 U	3.2 J	10 U	10 U
Dimethyl phthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	µg/L	50	10 U	10 U	10 U	2.9 J	10 U	10 U
Di-n-octyl phthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	µg/L	0.04	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	µg/L	0.5	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	µg/L	5	50 U	50 U	50 U	50 U	50 U	50 U
Hexachloroethane	µg/L	5	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	µg/L	10	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	µg/L	0.4	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodi-n-propylamine	µg/L	-	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	50 U	50 U
Phenanthrene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	µg/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Metals								
Aluminum	µg/L	-	18300	40.1 U	7150	8.6 U	32.5 U	72.7 U
Antimony	µg/L	3	4.1 U	4.4 ^a	4.1 U	4.1 U	4.1 U	4.1 U
Arsenic	µg/L	25	10.1	2.0	3.4	2.0 U	2.0 U	2.0 U
Barium	µg/L	1000	154	25.5	114	0.44 U	58.5	41.2
Beryllium	µg/L	3	1.1 U	0.077 U	0.39 U	0.077 U	0.077 U	0.23 U
Cadmium	µg/L	5	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Calcium	µg/L	-	106000 J	67400 J	132000 J	27.7 J	143000 J	119000 J
Chromium	µg/L	50	20.8	1.3	12.7	1.1 U	9.1	133 ^a
Cobalt	µg/L	-	15.3	2.6 U	6.6	2.6 U	2.6 U	2.6 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:		NYSDEC	GT-8	GT-9	GT-R2	Rinse Blank	SMW-1	SMW-2
Sample ID:		NYSDEC	GW-18631-RW-016	GW-18631-RW-003	GW-18631-RW-006	GW-18631-RW-015	GW-18631-RW-014	GW-18631-RW-012
Sample Date:		Water Quality	10/17/2001	10/16/2001	10/16/2001	10/17/2001	10/17/2001	10/17/2001
		Standards and						
Parameter	Unit	Guidance Values						
		a						
Copper	µg/L	200	32.7	5.0	19.4	2.1 U	1.3 U	6.3 U
Iron	µg/L	300	32400 ^a	52.3	12500 ^a	10.0 U	130	1640 ^a
Lead	µg/L	25	16.2	2.4	6.8	1.8 U	1.8 U	1.8 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-8</i>	<i>GT-9</i>	<i>GT-R2</i>	<i>Rinse Blank</i>	<i>SMW-1</i>	<i>SMW-2</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-016</i>	<i>GW-18631-RW-003</i>	<i>GW-18631-RW-006</i>	<i>GW-18631-RW-015</i>	<i>GW-18631-RW-014</i>	<i>GW-18631-RW-012</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/17/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>						
		<i>a</i>						
Magnesium	µg/L	35000	15000	4530	16800	21.3 U	16400	12300
Manganese	µg/L	300	761 ^a	46.4	481 ^a	0.75 U	19.2	21.0
Mercury	µg/L	0.7	0.062 U	0.054 U	0.054 U	0.094 U	0.061 U	0.085 U
Nickel	µg/L	100	23.0	7.9 U	14.4	7.9 U	40.8	36.5
Potassium	µg/L	-	5920	1540	6930	519 U	1020 U	772 U
Selenium	µg/L	10	5.8	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Silver	µg/L	50	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Sodium	µg/L	20000	4040	8160	308000 ^a	15.0 U	94100 ^a	55400 ^a
Thallium	µg/L	0.5	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	7.0 U
Vanadium	µg/L	-	38.3	4.1 U	16.8	4.1 U	4.1 U	4.1 U
Zinc	µg/L	2000	85.9	15.9 U	41.1	3.2 U	6.0 U	3.2 U
PCBs								
Aroclor-1016 (PCB-1016)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1221 (PCB-1221)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1232 (PCB-1232)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1242 (PCB-1242)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1248 (PCB-1248)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1254 (PCB-1254)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260 (PCB-1260)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pesticides								
4,4'-DDD	µg/L	0.3	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
4,4'-DDE	µg/L	0.2	0.050 U	0.0052 J	0.050 U	0.050 U	0.050 U	0.050 U
4,4'-DDT	µg/L	0.2	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aldrin	µg/L	ND	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
alpha-BHC	µg/L	0.01	0.050 U	0.050 U	0.0089 J	0.050 U	0.050 U	0.050 U
beta-BHC	µg/L	0.04	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Chlordane	µg/L	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
delta-BHC	µg/L	0.04	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Dieldrin	µg/L	0.004	0.050 U	0.0056 J ^a	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan I	µg/L	-	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	µg/L	-	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan sulfate	µg/L	-	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endrin aldehyde	µg/L	5	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endrin ketone	µg/L	5	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-8</i>	<i>GT-9</i>	<i>GT-R2</i>	<i>Rinse Blank</i>	<i>SMW-1</i>	<i>SMW-2</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-016</i>	<i>GW-18631-RW-003</i>	<i>GW-18631-RW-006</i>	<i>GW-18631-RW-015</i>	<i>GW-18631-RW-014</i>	<i>GW-18631-RW-012</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/17/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>						
		<i>a</i>						
Endrin	µg/L	ND	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
gamma-BHC (Lindane)	µg/L	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor epoxide	µg/L	0.03	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY
OCTOBER-NOVEMBER 2001
VON ROLLS ISOLA
OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>GT-8</i>	<i>GT-9</i>	<i>GT-R2</i>	<i>Rinse Blank</i>	<i>SMW-1</i>	<i>SMW-2</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-016</i>	<i>GW-18631-RW-003</i>	<i>GW-18631-RW-006</i>	<i>GW-18631-RW-015</i>	<i>GW-18631-RW-014</i>	<i>GW-18631-RW-012</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/17/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>	<i>10/17/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>						
		<i>a</i>						
Heptachlor	µg/L	0.04	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	µg/L	35	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Toxaphene	µg/L	0.06	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
General Chemistry								
Cyanide (total)	µg/L	200	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Phenolics (Total)	mg/L	1	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Total Petroleum Hydrocarbons (C21-C28)	mg/L	-	0.48 U	0.36 J	0.50 U	0.47 U	0.47 U	0.47 U

Notes:

- ND - Non-detect at associated value.
 U - Non-detect at associated value.
 J - Associated value is considered estimated.
 a - Standard applies sum of cis- and trans-1,3-Dichloropropene.
 b - Standard applies to m-, o-, and p-Xylene individually.
 c - Standard applies to sum of all phenolic parameters.
 d - Standard applies to PCB Aroclors individually.
 - NYSDEC Class GA exceedance.

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>VRI-1</i>	<i>VRI-2</i>	<i>VRI-3</i>	<i>VRI-4</i>	<i>VRI-5</i>	<i>VRI-6</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-024</i>	<i>GW-18631-RW-023</i>	<i>GW-18631-RW-002</i>	<i>GW-18631-RW-001</i>	<i>GW-112701-BP-001</i>	<i>GW-18631-RW-022</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/18/2001</i>	<i>10/18/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>	<i>11/29/2001</i>	<i>10/18/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>						
		<i>a</i>						
Volatiles								
1,1,1-Trichloroethane	µg/L	5	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	5	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,1,2-Trichloroethane	µg/L	1	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,1-Dichloroethane	µg/L	5	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,1-Dichloroethene	µg/L	5	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,2-Dichloroethane	µg/L	0.6	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,2-Dichloropropane	µg/L	1	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
2-Butanone	µg/L	50	100 UJ	5.0 U	5.0 U	5.0 U	5 U	5.0 U
2-Hexanone	µg/L	50	100 UJ	5.0 U	5.0 U	5.0 U	5 U	5.0 U
4-Methyl-2-pentanone	µg/L	-	100 U	5.0 U	5.0 U	5.0 U	5 U	5.0 U
Acetone	µg/L	50	200 UJ	10 UJ	10 UJ	10 UJ	38 J	10 UJ
Benzene	µg/L	1	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Bromodichloromethane	µg/L	50	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Bromoform	µg/L	50	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Bromomethane	µg/L	5	20 U	1.0 U	1.0 U	1.0 U	2 UJ	1.0 U
Carbon disulfide	µg/L	-	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Carbon tetrachloride	µg/L	5	20 U	1.0 U	1.0 UJ	1.0 UJ	1 U	2.1
Chlorobenzene	µg/L	5	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Chloroethane	µg/L	5	40 UJ	2.0 U	2.0 UJ	2.0 UJ	2 U	2.0 U
Chloroform (Trichloromethane)	µg/L	7	20 U	1.0 U	1.0 U	1.0 U	0.56 J	2.2
Chloromethane	µg/L	-	40 U	2.0 U	2.0 U	2.0 U	2 U	2.0 U
cis-1,2-Dichloroethene	µg/L	5	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.4 (a)	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Dibromochloromethane	µg/L	50	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Ethylbenzene	µg/L	5	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Methylene chloride	µg/L	5	40 U	2.0 U	2.0 U	2.0 U	2 U	2.0 U
Styrene	µg/L	5	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Tetrachloroethene	µg/L	5	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Toluene	µg/L	5	20 U	1.0 U	1.0 U	1.0 U	0.25 J	1.0 U
trans-1,2-Dichloroethene	µg/L	5	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.4 (a)	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Trichloroethene	µg/L	5	20 U	1.0 U	1.0 U	1.0 U	1 U	1.5
Vinyl chloride	µg/L	2	40 U	2.0 U	2.0 U	2.0 U	2 U	2.0 U
Xylene (total)	µg/L	5 (b)	670 ^a	3.0 U	3.0 U	3.0 U	3 U	3.0 U
1,3-Dichloropropene (total)	µg/L	0.4 (a)	20 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:	NYSDEC	VRI-1	VRI-2	VRI-3	VRI-4	VRI-5	VRI-6
Sample ID:	NYSDEC	GW-18631-RW-024	GW-18631-RW-023	GW-18631-RW-002	GW-18631-RW-001	GW-112701-BP-001	GW-18631-RW-022
Sample Date:	Water Quality	10/18/2001	10/18/2001	10/16/2001	10/16/2001	11/29/2001	10/18/2001
Parameter	Standards and						
	Unit						
	Guidance Values						
	a						

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>VRI-1</i>	<i>VRI-2</i>	<i>VRI-3</i>	<i>VRI-4</i>	<i>VRI-5</i>	<i>VRI-6</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-024</i>	<i>GW-18631-RW-023</i>	<i>GW-18631-RW-002</i>	<i>GW-18631-RW-001</i>	<i>GW-112701-BP-001</i>	<i>GW-18631-RW-022</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/18/2001</i>	<i>10/18/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>	<i>11/29/2001</i>	<i>10/18/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>						
		<i>a</i>						
<i>Semi-Volatiles</i>								
1,2,4-Trichlorobenzene	µg/L	5	10 U	10 U	10 U	10 U	50 U	10 U
1,2-Dichlorobenzene	µg/L	3	10 U	10 U	10 U	10 U	50 U	10 U
1,3-Dichlorobenzene	µg/L	3	10 U	10 U	10 U	10 U	50 U	10 U
1,4-Dichlorobenzene	µg/L	3	10 U	10 U	10 U	10 U	50 U	10 U
2,2'-oxybis(1-Chloropropane)	µg/L	-	10 U	10 U	10 U	10 U	50 U	10 U
2,4,5-Trichlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	50 U	10 U
2,4,6-Trichlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	50 U	10 U
2,4-Dichlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	50 U	10 U
2,4-Dimethylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	50 U	10 U
2,4-Dinitrophenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	250 U	50 U
2,4-Dinitrotoluene	µg/L	5	10 U	10 U	10 U	10 U	50 U	10 U
2,6-Dinitrotoluene	µg/L	5	10 U	10 U	10 U	10 U	50 U	10 U
2-Chloronaphthalene	µg/L	10	10 U	10 U	10 U	10 U	50 U	10 U
2-Chlorophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	50 U	10 U
2-Methyl naphthalene	µg/L	-	10 U	10 U	10 U	10 U	50 U	10 U
2-Methylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	50 U	10 U
2-Nitroaniline	µg/L	5	50 U	50 U	50 U	50 U	250 U	50 U
2-Nitrophenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	50 U	10 U
3,3'-Dichlorobenzidine	µg/L	5	50 U	50 U	50 U	50 U	250 U	50 U
3-Nitroaniline	µg/L	5	50 U	50 U	50 U	50 U	250 U	50 U
4,6-Dinitro-2-methylphenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	250 U	50 U
4-Bromophenyl phenyl ether	µg/L	-	10 U	10 U	10 U	10 U	50 U	10 U
4-Chloro-3-methylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	50 U	10 U
4-Chloroaniline	µg/L	5	10 U	10 U	10 U	10 U	50 U	10 U
4-Chlorophenyl phenyl ether	µg/L	-	10 U	10 U	10 U	10 U	50 U	10 U
4-Methylphenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	50 U	10 U
4-Nitroaniline	µg/L	5	50 U	50 U	50 U	50 U	250 U	50 U
4-Nitrophenol	µg/L	1 (c)	50 UJ	50 UJ	50 U	50 U	250 U	50 UJ
Acenaphthene	µg/L	20	10 U	10 U	10 U	10 U	50 U	10 U
Acenaphthylene	µg/L	-	10 U	10 U	10 U	10 U	50 U	10 U
Anthracene	µg/L	50	10 U	10 U	10 U	10 U	50 U	10 U
Benzo(a)anthracene	µg/L	0.002	10 U	10 U	10 U	10 U	50 U	10 U
Benzo(a)pyrene	µg/L	ND	10 U	10 U	10 U	10 U	50 U	10 U
Benzo(b)fluoranthene	µg/L	0.002	10 U	10 U	10 U	10 U	50 U	10 U
Benzo(g,h,i)perylene	µg/L	-	10 U	10 U	10 U	10 U	50 U	10 U
Benzo(k)fluoranthene	µg/L	0.002	10 U	10 U	10 U	10 U	50 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>	<i>NYSDEC</i>	<i>VRI-1</i>	<i>VRI-2</i>	<i>VRI-3</i>	<i>VRI-4</i>	<i>VRI-5</i>	<i>VRI-6</i>
<i>Sample ID:</i>	<i>NYSDEC</i>	<i>GW-18631-RW-024</i>	<i>GW-18631-RW-023</i>	<i>GW-18631-RW-002</i>	<i>GW-18631-RW-001</i>	<i>GW-112701-BP-001</i>	<i>GW-18631-RW-022</i>
<i>Sample Date:</i>	<i>Water Quality</i>	<i>10/18/2001</i>	<i>10/18/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>	<i>11/29/2001</i>	<i>10/18/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>					
		<i>a</i>					
bis(2-Chloroethoxy)methane	µg/L	5	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	µg/L	1	10 U	10 U	10 U	10 U	0.70 J
bis(2-Ethylhexyl)phthalate	µg/L	5	10 U	10 U	10 U	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:		NYSDEC	VRI-1	VRI-2	VRI-3	VRI-4	VRI-5	VRI-6
Sample ID:		NYSDEC	GW-18631-RW-024	GW-18631-RW-023	GW-18631-RW-002	GW-18631-RW-001	GW-112701-BP-001	GW-18631-RW-022
Sample Date:		Water Quality	10/18/2001	10/18/2001	10/16/2001	10/16/2001	11/29/2001	10/18/2001
		Standards and						
Parameter	Unit	Guidance Values						
		a						
Butyl benzylphthalate	µg/L	50	10 U	10 U	10 U	10 U	50 U	10 U
Carbazole	µg/L	-	10 U	10 U	10 U	10 U	50 U	10 U
Chrysene	µg/L	0.002	10 U	10 U	10 U	10 U	50 U	10 U
Dibenz(a,h)anthracene	µg/L	-	10 U	10 U	10 U	10 U	50 U	10 U
Dibenzofuran	µg/L	-	10 U	10 U	10 U	10 U	50 U	10 U
Diethyl phthalate	µg/L	50	10 U	10 U	10 U	10 U	50 U	10 U
Dimethyl phthalate	µg/L	50	10 U	10 U	10 U	10 U	50 U	10 U
Di-n-butylphthalate	µg/L	50	10 U	10 U	10 U	10 U	50 U	10 U
Di-n-octyl phthalate	µg/L	50	10 U	10 U	10 U	10 U	50 U	10 U
Fluoranthene	µg/L	50	10 U	10 U	10 U	10 U	50 U	10 U
Fluorene	µg/L	50	10 U	10 U	10 U	10 U	50 U	10 U
Hexachlorobenzene	µg/L	0.04	10 U	10 U	10 U	10 U	50 U	10 U
Hexachlorobutadiene	µg/L	0.5	10 U	10 U	10 U	10 U	50 U	10 U
Hexachlorocyclopentadiene	µg/L	5	50 U	50 U	50 U	50 U	250 U	50 U
Hexachloroethane	µg/L	5	10 U	10 U	10 U	10 U	50 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	0.002	10 U	10 U	10 U	10 U	50 U	10 U
Isophorone	µg/L	50	10 U	10 U	10 U	10 U	50 U	10 U
Naphthalene	µg/L	10	2.7 J	10 U	10 U	10 U	50 U	10 U
Nitrobenzene	µg/L	0.4	10 U	10 U	10 U	10 U	50 U	10 U
N-Nitrosodi-n-propylamine	µg/L	-	10 U	10 U	10 U	10 U	50 U	10 U
N-Nitrosodiphenylamine	µg/L	50	10 U	10 U	10 U	10 U	50 U	10 U
Pentachlorophenol	µg/L	1 (c)	50 U	50 U	50 U	50 U	250 U	50 U
Phenanthrene	µg/L	50	10 U	10 U	10 U	10 U	50 U	10 U
Phenol	µg/L	1 (c)	10 U	10 U	10 U	10 U	50 U	10 U
Pyrene	µg/L	50	10 U	10 U	10 U	10 U	50 U	10 U
Metals								
Aluminum	µg/L	-	251	124	950	3470	75100	4500
Antimony	µg/L	3	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Arsenic	µg/L	25	2.0 U	2.0 U	2.0 U	2.0 U	54.1 ^a	3.9
Barium	µg/L	1000	45.2	40.4	49.0	73.5	1110 ^a	64.6
Beryllium	µg/L	3	0.090 U	0.12 U	0.080 U	0.18 U	2.6	0.28 U
Cadmium	µg/L	5	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Calcium	µg/L	-	120000	123000	114000 J	120000 J	1030000	98600
Chromium	µg/L	50	1.8	2.5	3.1	6.3	112 ^a	9.2
Cobalt	µg/L	-	2.6 U	2.6 U	2.6 U	2.6 U	55	2.7

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:	NYSDEC		VRI-1	VRI-2	VRI-3	VRI-4	VRI-5	VRI-6
Sample ID:	NYSDEC		GW-18631-RW-024	GW-18631-RW-023	GW-18631-RW-002	GW-18631-RW-001	GW-112701-BP-001	GW-18631-RW-022
Sample Date:	Water Quality		10/18/2001	10/18/2001	10/16/2001	10/16/2001	11/29/2001	10/18/2001
Parameter	Unit	Standards and Guidance Values						
		a						
Copper	µg/L	200	2.6 U	7.4 U	2.9	6.3	202 ^a	14.0 U
Iron	µg/L	300	336 ^a	157	1470 ^a	5990 ^a	130000 ^a	6640 ^a
Lead	µg/L	25	1.8 U	1.8 U	1.8 U	1.8 U	57.3 ^a	3.2

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>VRI-1</i>	<i>VRI-2</i>	<i>VRI-3</i>	<i>VRI-4</i>	<i>VRI-5</i>	<i>VRI-6</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-024</i>	<i>GW-18631-RW-023</i>	<i>GW-18631-RW-002</i>	<i>GW-18631-RW-001</i>	<i>GW-112701-BP-001</i>	<i>GW-18631-RW-022</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/18/2001</i>	<i>10/18/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>	<i>11/29/2001</i>	<i>10/18/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>						
		<i>a</i>						
Magnesium	µg/L	35000	16000	15200	16900	18200	114000 ^a	17500
Manganese	µg/L	300	209	19.4	47.1	384 ^a	3270 ^a	285
Mercury	µg/L	0.7	0.054 U	0.054 U	0.44	0.096 U	0.19	0.054 U
Nickel	µg/L	100	7.9 U	7.9 U	7.9 U	12.2	110 ^a	7.9 U
Potassium	µg/L	-	1780 U	1650 U	2250	4220	17600	5610 U
Selenium	µg/L	10	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Silver	µg/L	50	0.80	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Sodium	µg/L	20000	7450	9850	8420	12200	29200 ^a	77600 ^a
Thallium	µg/L	0.5	5.7 U	11.0 ^a	5.7 U	5.7 U	5.7 U	5.7 U
Vanadium	µg/L	-	6.4 U	7.4 U	4.7	6.6	124	13.8 U
Zinc	µg/L	2000	3.2 U	5.5	31.0 U	27.4 U	523	31.1
PCBs								
Aroclor-1016 (PCB-1016)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Aroclor-1221 (PCB-1221)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Aroclor-1232 (PCB-1232)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Aroclor-1242 (PCB-1242)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Aroclor-1248 (PCB-1248)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Aroclor-1254 (PCB-1254)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Aroclor-1260 (PCB-1260)	µg/L	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Pesticides								
4,4'-DDD	µg/L	0.3	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
4,4'-DDE	µg/L	0.2	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
4,4'-DDT	µg/L	0.2	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
Aldrin	µg/L	ND	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
alpha-BHC	µg/L	0.01	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
beta-BHC	µg/L	0.04	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
Chlordane	µg/L	-	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.50 U
delta-BHC	µg/L	0.04	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
Dieldrin	µg/L	0.004	0.0051 J ^a	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
Endosulfan I	µg/L	-	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
Endosulfan II	µg/L	-	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
Endosulfan sulfate	µg/L	-	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
Endrin aldehyde	µg/L	5	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
Endrin ketone	µg/L	5	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>VRI-1</i>	<i>VRI-2</i>	<i>VRI-3</i>	<i>VRI-4</i>	<i>VRI-5</i>	<i>VRI-6</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>GW-18631-RW-024</i>	<i>GW-18631-RW-023</i>	<i>GW-18631-RW-002</i>	<i>GW-18631-RW-001</i>	<i>GW-112701-BP-001</i>	<i>GW-18631-RW-022</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/18/2001</i>	<i>10/18/2001</i>	<i>10/16/2001</i>	<i>10/16/2001</i>	<i>11/29/2001</i>	<i>10/18/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and Guidance Values</i>						
		<i>a</i>						
Endrin	µg/L	ND	0.026 J	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
gamma-BHC (Lindane)	µg/L	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
Heptachlor epoxide	µg/L	0.03	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:		NYSDEC	VRI-1	VRI-2	VRI-3	VRI-4	VRI-5	VRI-6
Sample ID:		NYSDEC	GW-18631-RW-024	GW-18631-RW-023	GW-18631-RW-002	GW-18631-RW-001	GW-112701-BP-001	GW-18631-RW-022
Sample Date:		Water Quality	10/18/2001	10/18/2001	10/16/2001	10/16/2001	11/29/2001	10/18/2001
Parameter	Unit	Standards and Guidance Values						
		a						
Heptachlor	µg/L	0.04	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U
Methoxychlor	µg/L	35	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.10 U
Toxaphene	µg/L	0.06	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2.0 U
General Chemistry								
Cyanide (total)	µg/L	200	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10.0 U
Phenolics (Total)	mg/L	1	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U	0.011
Total Petroleum Hydrocarbons (C21-C28)	mg/L	-	6.8	0.46 U	0.47 U	0.47 U	1.7	0.40 J

Notes:

ND - Non-detect at associated value.

U - Non-detect at associated value.

J - Associated value is considered estimated.

a - Standard applies sum of cis- and trans-1,3-Dichloropropene.

b - Standard applies to m-, o-, and p-Xylene individually.

c - Standard applies to sum of all phenolic parameters.

d - Standard applies to PCB Aroclors individually.

 - NYSDEC Class GA exceedance.

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>	NYSDEC		VRI-7	VRI-8
<i>Sample ID:</i>	NYSDEC		GW-18631-RW-020	GW-18631-RW-018
<i>Sample Date:</i>	Water Quality		10/18/2001	10/17/2001
<i>Parameter</i>	<i>Unit</i>	<i>Guidance Values</i>		
		<i>a</i>		
Volatiles				
1,1,1-Trichloroethane	µg/L	5	1.3	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	5	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	5	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.6	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1	1.0 U	1.0 U
2-Butanone	µg/L	50	5.0 U	5.0 U
2-Hexanone	µg/L	50	5.0 U	5.0 U
4-Methyl-2-pentanone	µg/L	-	5.0 U	5.0 U
Acetone	µg/L	50	10 UJ	10 UJ
Benzene	µg/L	1	1.0 U	1.0 U
Bromodichloromethane	µg/L	50	1.0 U	1.0 U
Bromoform	µg/L	50	1.0 U	1.0 U
Bromomethane	µg/L	5	1.0 U	1.0 U
Carbon disulfide	µg/L	-	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	1.0 U	1.2
Chlorobenzene	µg/L	5	1.0 U	1.0 U
Chloroethane	µg/L	5	2.0 U	2.0 U
Chloroform (Trichloromethane)	µg/L	7	1.0 U	2.8
Chloromethane	µg/L	-	2.0 U	2.0 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.4 (a)	1.0 U	1.0 U
Dibromochloromethane	µg/L	50	1.0 U	1.0 U
Ethylbenzene	µg/L	5	1.0 U	1.0 U
Methylene chloride	µg/L	5	2.0 U	2.0 U
Styrene	µg/L	5	1.0 U	1.0 U
Tetrachloroethene	µg/L	5	1.0 U	1.0 U
Toluene	µg/L	5	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.4 (a)	1.0 U	1.0 U
Trichloroethene	µg/L	5	1.0 U	19 ^a
Vinyl chloride	µg/L	2	2.0 U	2.0 U
Xylene (total)	µg/L	5 (b)	3.0 U	3.0 U
1,3-Dichloropropene (total)	µg/L	0.4 (a)	1.0 U	1.0 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>	NYSDEC	VRI-7	VRI-8
<i>Sample ID:</i>	NYSDEC	GW-18631-RW-020	GW-18631-RW-018
<i>Sample Date:</i>	Water Quality	10/18/2001	10/17/2001
	Standards and		
<i>Parameter</i>	<i>Unit</i>	<i>Guidance Values</i>	
		<i>a</i>	

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

<i>Sample Location:</i>		<i>NYSDEC</i>	<i>VRI-7</i>	<i>VRI-8</i>
<i>Sample ID:</i>		<i>NYSDEC</i>	<i>G W-18631-R W-020</i>	<i>G W-18631-R W-018</i>
<i>Sample Date:</i>		<i>Water Quality</i>	<i>10/18/2001</i>	<i>10/17/2001</i>
<i>Parameter</i>	<i>Unit</i>	<i>Standards and</i> <i>Guidance Values</i>		
<i>a</i>				
<i>Semi-Volatiles</i>				
1,2,4-Trichlorobenzene	µg/L	5	10 U	10 U
1,2-Dichlorobenzene	µg/L	3	10 U	10 U
1,3-Dichlorobenzene	µg/L	3	10 U	10 U
1,4-Dichlorobenzene	µg/L	3	10 U	10 U
2,2'-oxybis(1-Chloropropane)	µg/L	-	10 U	10 U
2,4,5-Trichlorophenol	µg/L	1 (c)	10 U	10 U
2,4,6-Trichlorophenol	µg/L	1 (c)	10 U	10 U
2,4-Dichlorophenol	µg/L	1 (c)	10 U	10 U
2,4-Dimethylphenol	µg/L	1 (c)	10 U	10 U
2,4-Dinitrophenol	µg/L	1 (c)	50 U	50 U
2,4-Dinitrotoluene	µg/L	5	10 U	10 U
2,6-Dinitrotoluene	µg/L	5	10 U	10 U
2-Chloronaphthalene	µg/L	10	10 U	10 U
2-Chlorophenol	µg/L	1 (c)	10 U	10 U
2-Methyl naphthalene	µg/L	-	10 U	10 U
2-Methylphenol	µg/L	1 (c)	10 U	10 U
2-Nitroaniline	µg/L	5	50 U	50 U
2-Nitrophenol	µg/L	1 (c)	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	5	50 U	50 U
3-Nitroaniline	µg/L	5	50 U	50 U
4,6-Dinitro-2-methylphenol	µg/L	1 (c)	50 U	50 U
4-Bromophenyl phenyl ether	µg/L	-	10 U	10 U
4-Chloro-3-methylphenol	µg/L	1 (c)	10 U	10 U
4-Chloroaniline	µg/L	5	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	-	10 U	10 U
4-Methylphenol	µg/L	1 (c)	10 U	10 U
4-Nitroaniline	µg/L	5	50 U	50 U
4-Nitrophenol	µg/L	1 (c)	50 UJ	50 UJ
Acenaphthene	µg/L	20	10 U	10 U
Acenaphthylene	µg/L	-	10 U	10 U
Anthracene	µg/L	50	10 U	10 U
Benzo(a)anthracene	µg/L	0.002	10 U	10 U
Benzo(a)pyrene	µg/L	ND	10 U	10 U
Benzo(b)fluoranthene	µg/L	0.002	10 U	10 U
Benzo(g,h,i)perylene	µg/L	-	10 U	10 U
Benzo(k)fluoranthene	µg/L	0.002	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:	NYSDEC	VRI-7	VRI-8
Sample ID:	NYSDEC	GW-18631-RW-020	GW-18631-RW-018
Sample Date:	Water Quality	10/18/2001	10/17/2001
	Standards and		
	Guidance Values		
Parameter	Unit	a	
bis(2-Chloroethoxy)methane	µg/L	5	10 U
bis(2-Chloroethyl)ether	µg/L	1	10 U
bis(2-Ethylhexyl)phthalate	µg/L	5	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:	NYSDEC		VRI-7	VRI-8
Sample ID:	NYSDEC		GW-18631-RW-020	GW-18631-RW-018
Sample Date:	Water Quality		10/18/2001	10/17/2001
	Standards and			
	Guidance Values			
Parameter	Unit	a		
Butyl benzylphthalate	µg/L	50	10 U	10 U
Carbazole	µg/L	-	10 U	10 U
Chrysene	µg/L	0.002	10 U	10 U
Dibenz(a,h)anthracene	µg/L	-	10 U	10 U
Dibenzofuran	µg/L	-	10 U	10 U
Diethyl phthalate	µg/L	50	10 U	10 U
Dimethyl phthalate	µg/L	50	10 U	10 U
Di-n-butylphthalate	µg/L	50	10 U	10 U
Di-n-octyl phthalate	µg/L	50	10 U	10 U
Fluoranthene	µg/L	50	10 U	10 U
Fluorene	µg/L	50	10 U	10 U
Hexachlorobenzene	µg/L	0.04	10 U	10 U
Hexachlorobutadiene	µg/L	0.5	10 U	10 U
Hexachlorocyclopentadiene	µg/L	5	50 U	50 U
Hexachloroethane	µg/L	5	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	0.002	10 U	10 U
Isophorone	µg/L	50	10 U	10 U
Naphthalene	µg/L	10	10 U	10 U
Nitrobenzene	µg/L	0.4	10 U	10 U
N-Nitrosodi-n-propylamine	µg/L	-	10 U	10 U
N-Nitrosodiphenylamine	µg/L	50	10 U	10 U
Pentachlorophenol	µg/L	1 (c)	50 U	50 U
Phenanthrene	µg/L	50	10 U	10 U
Phenol	µg/L	1 (c)	10 U	10 U
Pyrene	µg/L	50	10 U	10 U
Metals				
Aluminum	µg/L	-	151	26.9 U
Antimony	µg/L	3	4.1 U	4.1 U
Arsenic	µg/L	25	2.0 U	2.0 U
Barium	µg/L	1000	82.5	41.9
Beryllium	µg/L	3	0.090 U	0.077 U
Cadmium	µg/L	5	0.63 U	0.63 U
Calcium	µg/L	-	159000	90400
Chromium	µg/L	50	1.6	2.1
Cobalt	µg/L	-	2.6 U	2.6 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:	NYSDEC	VRI-7	VRI-8
Sample ID:	NYSDEC	GW-18631-RW-020	GW-18631-RW-018
Sample Date:	Water Quality	10/18/2001	10/17/2001
	Standards and		
	Guidance Values		
Parameter	Unit	a	
Copper	µg/L	200	3.9 U
Iron	µg/L	300	211
Lead	µg/L	25	1.8 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:	NYSDEC		VRI-7	VRI-8
Sample ID:	NYSDEC		GW-18631-RW-020	GW-18631-RW-018
Sample Date:	Water Quality		10/18/2001	10/17/2001
	Standards and			
	Guidance Values			
Parameter	Unit	a		
Magnesium	µg/L	35000	19300	13400
Manganese	µg/L	300	11.2	1.2 U
Mercury	µg/L	0.7	0.054 U	0.054 U
Nickel	µg/L	100	7.9 U	7.9 U
Potassium	µg/L	-	1570 U	1250 U
Selenium	µg/L	10	3.2 U	3.8
Silver	µg/L	50	0.75 U	0.75 U
Sodium	µg/L	20000	192000 ^a	42400 ^a
Thallium	µg/L	0.5	5.7 U	5.7 U
Vanadium	µg/L	-	4.1 U	5.0 U
Zinc	µg/L	2000	3.2 U	3.2 U
PCBs				
Aroclor-1016 (PCB-1016)	µg/L	0.09	1.0 U	1.0 U
Aroclor-1221 (PCB-1221)	µg/L	0.09	1.0 U	1.0 U
Aroclor-1232 (PCB-1232)	µg/L	0.09	1.0 U	1.0 U
Aroclor-1242 (PCB-1242)	µg/L	0.09	1.0 U	1.0 U
Aroclor-1248 (PCB-1248)	µg/L	0.09	1.0 U	1.0 U
Aroclor-1254 (PCB-1254)	µg/L	0.09	1.0 U	1.0 U
Aroclor-1260 (PCB-1260)	µg/L	0.09	1.0 U	1.0 U
Pesticides				
4,4'-DDD	µg/L	0.3	0.050 U	0.050 U
4,4'-DDE	µg/L	0.2	0.050 U	0.050 U
4,4'-DDT	µg/L	0.2	0.050 U	0.050 U
Aldrin	µg/L	ND	0.050 U	0.050 U
alpha-BHC	µg/L	0.01	0.050 U	0.050 U
beta-BHC	µg/L	0.04	0.050 U	0.050 U
Chlordane	µg/L	-	0.50 U	0.50 U
delta-BHC	µg/L	0.04	0.050 U	0.050 U
Dieldrin	µg/L	0.004	0.050 U	0.050 U
Endosulfan I	µg/L	-	0.050 U	0.050 U
Endosulfan II	µg/L	-	0.050 U	0.050 U
Endosulfan sulfate	µg/L	-	0.050 U	0.050 U
Endrin aldehyde	µg/L	5	0.050 U	0.050 U
Endrin ketone	µg/L	5	0.050 U	0.050 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:	NYSDEC		VRI-7	VRI-8
Sample ID:	NYSDEC		GW-18631-RW-020	GW-18631-RW-018
Sample Date:	Water Quality		10/18/2001	10/17/2001
	Standards and			
	Guidance Values			
Parameter	Unit	a		
Endrin	µg/L	ND	0.050 U	0.050 U
gamma-BHC (Lindane)	µg/L	0.05	0.050 U	0.050 U
Heptachlor epoxide	µg/L	0.03	0.050 U	0.050 U

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GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER-NOVEMBER 2001

VON ROLLS ISOLA

OCTOBER 2001

Sample Location:	NYSDEC		VRI-7	VRI-8
Sample ID:	NYSDEC		GW-18631-RW-020	GW-18631-RW-018
Sample Date:	Water Quality		10/18/2001	10/17/2001
	Standards and			
	Guidance Values			
Parameter	Unit	a		
Heptachlor	µg/L	0.04	0.050 U	0.050 U
Methoxychlor	µg/L	35	0.10 U	0.10 U
Toxaphene	µg/L	0.06	2.0 U	2.0 U
General Chemistry				
Cyanide (total)	µg/L	200	10.0 U	10.0 U
Phenolics (Total)	mg/L	1	0.010 U	0.010 U
Total Petroleum Hydrocarbons (C21-C28)	mg/L	-	0.48 U	0.50 U

Notes:

ND - Non-detect at associated value.

U - Non-detect at associated value.

J - Associated value is considered estimated.

a - Standard applies sum of cis- and trans-1,3-Dichloropropene.

b - Standard applies to m-, o-, and p-Xylene individually.

c - Standard applies to sum of all phenolic parameters.

d - Standard applies to PCB Aroclors individually.

 - NYSDEC Class GA exceedance.