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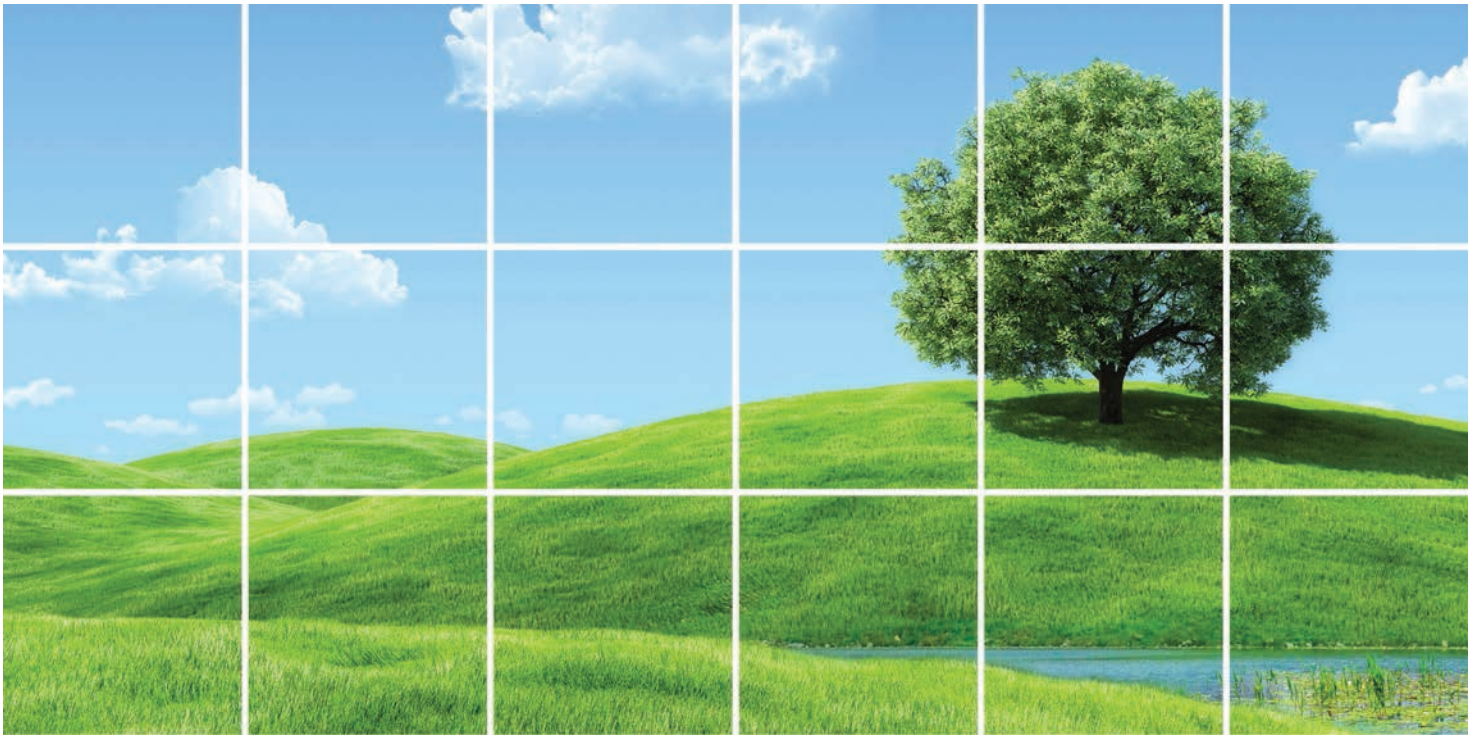

Focused Feasibility Study

Prepared on behalf of:
GE-Corporate Environmental Programs
Albany, New York

Prepared for:
Von Roll Isola USA Inc. Facility
Schenectady, New York

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Revised November 2012 • #18631
March 2012
Report Number:11

CERTIFICATION

I, Robert G. Adams, certify that I am currently a New York State-registered Professional Engineer and that this report, ***Focused Feasibility Study,*** November 2012, was prepared in substantial accordance with applicable statutes and regulations and in substantial conformance with the DER-10 Technical Guidance for Site Investigation and Remediation.

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11/07/12
Date

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1.0 INTRODUCTION

This Focused Feasibility Study (FFS) Report has been prepared on behalf of GE-Plastics, Pittsfield, Massachusetts for the Von Roll Isola USA, Inc. (VRI) Riverview industrial facility in Schenectady, New York. The FFS was prepared in accordance with New York State Department of Environmental Conservation (NYSDEC) document "DER-10, Technical Guidance for Site Investigation and Remediation", May 2010, Chapter 4: Remedy Selection.

1.1 DESCRIPTION OF SITE LOCATION

The Riverview Facility is located off the north side of West Campbell Road in the Town of Rotterdam near the border of the City of Schenectady. The Site map is shown on Plan 1. The active manufacturing facility is currently listed in the New York State Department of Environmental Conservation (NYSDEC) Registry of Inactive Hazardous Waste Disposal Sites (Site No. 447005) as a Class 2 site.

The industrial property consists of approximately 52 acres, with 25 acres in active industrial use as a liquid and solid insulation manufacturing facility. The active production area is fenced as shown on the attached Plan 1. The facility is bounded on the north by a steep embankment and the Delaware and Hudson (D&H) Railroad; the D&H Railroad and Rotterdam Square Mall to the west; Campbell Road and the Town of Rotterdam publicly owned treatment works (POTW), and Campbell Plastics to the south; and residential areas to the east.

The property is serviced by municipal water and is zoned as Heavy Industrial (I2).

2.0 DESCRIPTION OF SITE CONDITIONS

Several environmental studies, investigations, assessments, and remedial actions have been undertaken by General Electric Company (GE), VRI, and Insulating Materials Incorporated (IMI) at the facility. Table 2.1 provides a brief chronology of previous Facility investigations.

Brief descriptions of the various aspects of the Site such as physical setting, Site geology and hydrogeology, and the nature and extent of contamination are presented in the following sections. Detailed descriptions of the Site conditions are presented in the Remedial Investigation Report, CRA 2002.

2.1 PHYSICAL SITE DESCRIPTION

The Riverview facility is located within the Hudson-Mohawk Lowlands physiographic province of New York State. The general topography of the Mohawk Lowlands is the result of erosion along an outcrop belt of weak rocks lying between the Adirondack Mountains to the north and the Heldeberg Escarpment to the south. The bedrock in the area is overlain by a thick mantle of unconsolidated deposits of glacial origin. The Riverview facility is situated on a high, flat plateau about 80 feet above the Mohawk River Valley. The ground surface drops off quickly to the north-northeast toward the Mohawk River and more gently to the west and south.

2.2 SITE GEOLOGY

Overburden

Unconsolidated deposits underlying the facility consist primarily of a glaciolacustrine deltaic sand deposit. The glaciolacustrine deposit is best described as a light to medium brown fine to medium sand with a trace of silt. Based on Site borings, the percentage of silt appears to increase with depth. The texture of the sand deposit fines downward to clayey sands and silts at a depth of approximately 80 feet. Increased clay content is evident beyond 80 feet below ground surface (bgs), where at 95 feet bgs a clay confining unit, approximately 11 feet thick, was documented at deep borehole VRI-5, installed in 2001. Beyond the confining unit (approximately 106 feet bgs) a deeper water-bearing zone is composed of silty sand with varying amounts of clay to a depth of 122 feet bgs. Beyond this depth the specific nature of unconsolidated deposits is unknown. However, it is likely that the shale bedrock is directly overlain by some thickness of dense glacial

till. Typically, the bedrock is overlain by low permeability blanket-like glacial till deposits consisting of a mixture of sand, gravel, and clay.

Bedrock

Bedrock underlying the facility consists of black and gray shales and sandstones belonging to the Schenectady Formation. The Schenectady Formation consists of gray to black interbedded shales and graywackes of Middle Ordovician Age. The bedrock dips gently to the west-southwest at an angle of generally less than 5 degrees.

2.3 SITE HYDROGEOLOGY

The hydrogeologic conditions are summarized below:

- The most current groundwater contours (December 7, 2011) are shown on Figure 2.1
- Groundwater exists under unconfined conditions at a depth of approximately 60 to 70 feet bgs
- Groundwater flow in the overburden (glacial/glaciolacustrine deposits) is generally to the northeast and this general pattern is consistent with historical groundwater flow patterns
- An east-west trending groundwater divide historically identified in the western part of the Facility is not apparent on the recent December 4, 2001 to June 28, 2002 groundwater contours
- A low permeability confining unit was identified at well VRI-5 at a depth of approximately 95 feet bgs
- A groundwater mound was identified in the northeast portion of the Facility (centered at VRI-7 at 290 feet above mean sea level (AMSL)
- The horizontal hydraulic gradient ranges from 0.01 to 0.03 (exclusive of the groundwater mound) and is generally consistent with historical gradients
- A downward vertical hydraulic gradient was determined to be on the order of 0.52 feet per foot (ft/ft) (April 2002) to 0.56 ft/ft (January 2002) based on a newly installed deep aquifer well (i.e., VRI-5)
- The hydraulic conductivity values obtained from hydraulic testing of the VRI wells were found to range from 1.10×10^{-4} centimeters per second (cm/sec) to 4.14×10^{-2} cm/sec, with a geometric mean of approximately 5.4×10^{-3} cm/sec

2.4 NATURE AND EXTENT OF CONTAMINATION

The nature and extent of contamination at the Site including soil, groundwater, and soil vapor are summarized in the following sections.

2.4.1 SOIL CHEMISTRY

During the RI, a total of 23 soil borings (including 6 surface soil sampling locations) were completed, and a total of 41 soil samples were collected for chemical analysis. The soil borings were located to specifically investigate potential Areas of Concern identified during previous studies. Borehole and surface sampling locations are shown on Plan 2. Analytical data were compared to 6 NYCRR Part 375 (Part 375) Restricted Use Industrial Soil Criteria, and are presented in Table 2.2. The Part 375 Unrestricted Use Soil criteria are also presented in Table 2.2 for reference purposes. Several organic parameters were detected in soil boring samples from the SWMU areas from varying depths; however, no parameters were detected at concentrations above the corresponding Part 375 Restricted Use Industrial Soil Criteria. Total xylenes reported at 14 parts per million (ppm) in the sample from VRI-1 (55 to 57 feet bgs) collected in 2001 was the only parameter detected at a concentration above the Part 375 Unrestricted Use Soil Criteria.

In summary, the soil analytical data do not indicate the presence of significant contaminant source areas at the Site.

2.4.2 GROUNDWATER CHEMISTRY

Groundwater samples have been collected at the Site during 17 sampling events over the period from April 1987 to December 2011. Analytical results are presented in Table 2.2. The number of monitoring wells from which samples were collected varied over that time period as additional wells were progressively installed. The groundwater monitoring data were screened against the Class GA groundwater quality standards as presented in 6 NYCRR Parts 700-705 and in NYSDEC TOGS 1.1.1 document titled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations." Parameters detected above the screening criteria are shown on Plan 3. Groundwater samples collected during the early sampling events were analyzed for TCL VOCs, SVOCs, Pesticides, PCBs, and TAL metals. Groundwater samples from the majority of the wells showed parameter concentrations that exceeded the respective criteria, primarily VOCs, with metals and SVOCs to a lesser extent. Over the period from April 1987 to December 2011, the data established that groundwater quality

improved. Only one pesticide parameter and one PCB parameter exceeded the corresponding criteria, and only during the October 2001 event. Between April 1987 and April 2002, 11 groundwater sampling events were performed. By April 2002, only iron, manganese, and sodium exceeded the respective criteria at a number of the wells. As these metals are naturally occurring, and no other metals exceeded the respective criteria, analysis for metals was deemed unnecessary in the following three sampling events (September 2009, October 2011, December 2011). No SVOC parameters exceeded the corresponding criteria by October 2009. Consequently, SVOCs were not analyzed for in October and December 2011. The number of VOC parameters that exceeded the respective criteria also decreased significantly at many well locations, with the exception of well VRI-1. Concentrations of total xylenes, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, isopropylbenzene, and n-propylbenzene at well VRI-1 continue to exceed the respective criteria as of the December 2011 sampling event, as shown on Plan 3. Ethylbenzene and methylene chloride also exceed the respective criteria at well VRI-1, but to a lesser extent. These parameter concentrations detected at VRI-1 are summarized below:

	Concentrations (µg/L)						*NYSDEC*
Parameter	*10/18/01*	*4/2/02*	*10/5/09*	*12/22/09*	*10/12/11*	*12/7/11*	*Criteria*
Ethylbenzene	NE	NE	NE	18	NE	8.4J	5
Methylene Chloride	NE	ND/380J	NE	NE	NE	9.1J	5
Xylenes (total)	670	880J/510J	8,700	3,100	3,700	3,800	5
1,3,5-Trimethylbenzene	NS	510/370	5,400	1,500	3,200	2,500	5
1,2,4-Trimethylbenzene	NS	1,500/1,100	14,000	3,700	6,200	4,900	5
Isopropylbenzene	NS	85J/39J	820	250	110J	89	5
n-Propylbenzene	NS	110J/940J	870	230	NE	53	5

2.4.3 SOIL VAPOR (VAPOR PROBES)

Eight soil vapor probes were installed at the Site in August 2011 to investigate the potential presence of soil vapor around the occupied sections of several buildings. Three probes were installed around Building 14, two probes around Building 31, and three probes around Building 33 (see Plan 1). The vapor probe installation, vapor sample collection, and analytical results are discussed in detail in the November 2011 CRA report "Supplemental Investigation Report". Analytical results were compared to the criteria presented in "New York State Department of Health (NYSDOH) Center for Environmental Health, Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006" (SVI Guidance). The analytical soil vapor results are presented in Table 2.4, and are briefly discussed below.

There are seven compounds having NYSDOH SVI Guidance criteria. They are as follows (shown with the Soil Vapor/Indoor Air Decision Matrix that they are each applied to):

SVI Guidance Compound	*Soil Vapor/Indoor Air Matrix*
Trichloroethene	Matrix 1
Carbon tetrachloride	Matrix 1
Vinyl Chloride	Matrix 1
1,1,1-Trichloroethane	Matrix 2
Tetrachloroethene	Matrix 2
cis-1,2-Dichloroethene	Matrix 2
1,1-Dichloroethene	Matrix 2

Although the NYSDOH SVI Guidance criteria are applicable to Indoor Air (IA) and Sub-Slab (SS) vapor results, a conservative evaluation was completed by using the soil vapor results as SS data. The discrete soil vapor sample results for each Building location were averaged to estimate the potential SS vapor concentration. In the case of non-detect results, half of the non-detect value(s) was used in the calculation of the average. The calculated SS vapor concentrations were then compared to the NYSDOH decision matrix tables, as appropriate. The NYSDOH SVI Guidance decision matrices table lists the following possible actions, dependent upon the application of the SS data and IA data to the Matrix:

- No further action
- Take reasonable and practical actions to identify source(s) and reduce exposures
- Monitor
- Monitor/Mitigate
- Mitigate

Two SVI Guidance compounds, carbon tetrachloride and tetrachloroethene, were detected in the soil gas samples collected outside Building 14. Carbon tetrachloride was detected in two of the three soil gas probes (2.7 micrograms per cubic meter ($\mu g/m^3$), 7.4 $\mu g/m^3$, ND(2.5) $\mu g/m^3$) for an average SS concentration of 3.78 $\mu g/m^3$. Tetrachloroethene was detected in one of the three soil gas probes (17 $\mu g/m^3$, ND(5.4) $\mu g/m^3$, ND(5.4) $\mu g/m^3$) for an average SS concentration of 7.47 $\mu g/m^3$.

One SVI Guidance compound, tetrachloroethene, was detected in the soil gas samples collected outside Building 31. Tetrachloroethene was detected in one of the two soil gas probes (5.7 μg/m^3, ND(5.4) μg/m^3) for an average SS concentration of 4.2 μg/m^3.

No SVI Guidance compounds were detected in any of the three gas probes around Building 33.

Based upon the SVI Guidance decision matrices, all of the average soil vapor concentrations were in the range of "no further action" or "take reasonable and practical actions to identify source(s) and reduce exposures". The analytical results of the soil gas sampling program, along with the recommendation that no further soil vapor intrusion investigation was necessary, were presented to NYSDEC in a letter dated November 10, 2011. In a letter dated December 20, 2011, NYSDEC and NYSDOH agreed that no further soil vapor intrusion investigation was necessary at this time.

3.0 REMEDIAL ACTION OBJECTIVES

Based upon the investigations conducted at the Site, the only remaining area of concern is the groundwater at well VRI-1. The remedial action objective for groundwater at well VRI-1 is to eliminate or mitigate threats to public health and the environment associated with the VOCs detected in the groundwater at this location.

4.0 STANDARDS, CRITERIA, AND GUIDANCE (SCGs)

The Class GA groundwater quality standards as presented in 6 NYCRR Parts 700-705 and in NYSDEC TOGS 1.1.1 document titled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" are applicable chemical-SCGs for the groundwater at the Site. The 6 NYCRR Part 375 (Part 375) Restricted Use Industrial Soil Criteria are the applicable chemical–SCGs for the Site considering current and future land use. The Part 375 Unrestricted Use soil cleanup objectives are applicable for evaluating a remedial alternative that would return the site to pre-disposal conditions.

An action-SCG applicable to this FFS is the requirement to obtain an Underground Injection Control (UIC) permit from USEPA/NYSDEC for in situ treatment purposes. USEPA will be notified at least 30 days prior to subsurface injections in accordance with 40 CFR 144.

5.0 DEVELOPMENT OF ALTERNATIVES

Impacted groundwater is localized around well VRI-1 on the west side of the Site. Remedial alternatives are therefore focused on this area. Considering the type of chemical contaminants present in the groundwater, the Site geology/hydrogeology, and the localized nature of the impacted groundwater, as discussed in previous sections, the following potential remedial alternatives were identified and are included in the FFS:

- Alternative 1 - No action
- Alternative 2 - Monitored Natural Attenuation (MNA)
- Alternative 3 - In situ Chemical Oxidation (ISCO)
- Alternative 4 – In situ Enhanced bioremediation (ISEB)
- Alternative 5 – Return to Pre-Disposal Conditions - Excavation of contaminated soil in vicinity of VRI-1, followed by groundwater ISCO

Alternatives 2 to 4 would all include an institutional control (deed restriction) for the evaluation of vapor intrusion if there is a change in use and a Site Management Plan for monitoring after the remedy has been implemented. The five alternatives listed are discussed in the following sections.

5.1 ALTERNATIVE 1 – NO ACTION

For Alternative 1, no actions will be taken, including no groundwater monitoring program.

5.2 ALTERNATIVE 2 – MONITORED NATURAL ATTENUATION (MNA)

Alternative 2 would involve groundwater monitoring of select wells, to monitor the natural attenuation processes in the vicinity of well VRI-1. Natural attenuation occurs by physical and/or biological processes. Physical processes of attenuation include sorption, dispersion, dilution, and volatilization. Biological processes actively breakdown the contaminants through microbial activity where the contaminants act a source of carbon.

Wells to be monitored for MNA include VRI-1, VRI-2, VRI-3, VRI-4, VRI-9, GT-9, and GT-14. Also, wells that are not part of the MNA monitoring will be sampled, but only

for TCL VOCs and non-standard VOCs, and include GT-7, GT-15, and GT-16. These wells are shown on Figure 5.1. The rationale for monitoring these wells is presented below.

Well VRI-9 would provide background groundwater quality data, as it is located upgradient of well VRI-1.

Wells VRI-2, VRI-3, VRI-4, and GT-14 are located downgradient of VRI-1 and are on the Site property boundaries. Groundwater quality data from these wells would show whether or not any impacted groundwater is migrating off Site.

Well GT-9 is approximately halfway between VRI-1 and the downgradient wells VRI-3 and VRI-4. Groundwater data from GT-9 would be used to monitor any migration of impacted groundwater from VRI-1.

Groundwater data for wells GT-7, GT-15, GT-16 have historically shown the presence of some VOCs, and since these wells are located very close to the northern property boundary, groundwater samples will continue to be collected at these locations.

Groundwater samples for MNA monitoring would be analyzed for the following parameters:

- TCL VOCs
- Non-Standard VOCs
  - 1,2,3-Trichloropropane
  - 1,3,5-Trimethylbenzene
  - 1,2,4-Trimethylbenzene
  - Isopropylbenzene
  - n-Propylbenzene
- Natural attenuation parameters:
  - PAH
  - Nitrate
  - Iron II (dissolved)
  - Sulfate
  - Alkalinity
  - Methane

Parameters to measure in the field during sample collection would include:

- Oxidation-reduction potential (ORP)
- pH
- Dissolved oxygen (DO)
- Temperature
- Conductivity

The monitoring data would be reviewed after each monitoring event to determine whether natural attenuation is occurring. Groundwater monitoring would be implemented quarterly for the first year and semi-annual thereafter for a minimum of 5 years at which time an evaluation would be conducted to determine modifications to the monitoring program. For cost estimating purposes, it is assumed that groundwater monitoring will continue for 30 years.

5.3 ALTERNATIVE 3 – IN SITU CHEMICAL OXIDATION (ISCO)

ISCO is an effective method for destroying localized high concentrations of a wide range of organic compounds. In an oxidation reaction, the oxidizing agent breaks the carbon bonds in the compounds and converts them into non-hazardous or less toxic compounds, primarily carbon dioxide and water. Commonly used oxidizing reagents include potassium permanganate ($KMnO_4$), Fenton's Reagent (hydrogen peroxide in a solution of ferrous salts), ozone, and catalyzed sodium persulfate.

$KMnO_4$, Fenton's Reagent, and catalyzed sodium persulfate are effective when delivered in an aqueous solution and react with a wide range of organic compounds. They are inexpensive and readily available in large quantities. ISCO is Site-specific, and successful treatment is typically a function of the effectiveness of the delivery system (being able to deliver sufficient amounts of oxidant to the impacted groundwater and making sufficient "contact") and subsequent transport of the oxidant within the soil and groundwater. The treatment performance is dependent to a great extent upon the soil chemistry. A critical factor in the evaluation of ISCO treatment is determining the dosages of oxidant that are required to effectively oxidize the VOCs present (referred to as stoichiometric demand) as well as the competing reactions. The competing reactions are typically caused by the presence of natural organic materials such as humates and fulvates, as well as reduced metal species. The consumption of oxidants by these non-target compounds is defined as natural oxidant demand (NOD). In order to

determine the optimum dosage, treatability studies are required. Active ISCO requires accurate delineation of the source of compounds. Large quantities of oxidizing chemicals require regulated handling and pose health and safety concerns. Chemical oxidation may cause mobilization of metals, possible formation of toxic by-products, heat, gas, and biological perturbation. $KMnO_4$ does not exhibit a high solubility and requires a large delivery volume. The Fenton's Reagent reaction is exothermic, and the heat generated can cause volatilization of hydrocarbon compounds. It also requires a pH of 5-pH units and ferrous sulfate catalyst. Base catalyzed sodium persulfate can be injected at concentrations up to 30 percent. It can oxidize a wide range of organic compounds and will continue to oxidize organic material for up to a month.

The use of ISCO for the treatment of VOCs at this Site would involve the application of a base catalyzed 25 percent sodium persulfate solution to the Site groundwater. Six permanent injection wells (2-inch diameter PVC) with 15-foot well screens from 60 to 75 feet bgs would be installed in the 2,500-square-foot area around the well VRI-1. A 405-gallon solution containing 968.5 pounds of sodium persulfate mixed with 334 gallons of a 25 percent sodium hydroxide activator solution just before injection for a total volume of approximately 739 gallons would be injected at each well. Two injections would be spaced approximately 6 months apart.

Groundwater samples would be collected in accordance with the following schedule:

- One round of groundwater samples will be collected and analyzed before ISCO treatment commences (wells VRI-1, VRI-2, GT-9)
- Year 1 – approximately 4 months after each injection for total of two monitoring events (six injection wells, VRI-1, VRI-2, GT-9)
- Year 2 – semi – annual for total of two monitoring events (six injection wells, VRI-1, VRI-2, GT-9, VRI-3, VRI-4, VRI-9, GT-14, GT-15, GT-16, GT-7)
- Years 3 to 5 – annual for total of three monitoring events (VRI-1, VRI-2, GT-9, VRI-3, VRI-4, VRI-9, GT-14, GT-15, GT-16, GT-7)

Samples would be analyzed for TCL VOCs and Non-Standard VOCs. The components of Alternative 3, including locations of wells to be sampled, are shown on Figure 5.2. Final locations for the ISCO injection wells will be determined during the remedial design. At the end of the 5-year monitoring period, an evaluation would be conducted to evaluate remedy effectiveness. It is anticipated that at the end of the 5-year monitoring period, the six injection wells would be abandoned.

5.4 ALTERNATIVE 4 – IN SITU ENHANCED BIOREMEDIATION (ISEB)

In situ enhanced bioremediation (ISEB, aerobic or anaerobic) is a treatment process whereby contaminants are metabolized into less toxic or non-toxic compounds by naturally occurring microorganisms. The microorganisms utilize the hydrocarbons as a source of carbon and energy. In order to stimulate biological activity, biodegradation processes can be enhanced by the injection of nutrients, microbial cultures, suitable electron acceptors, and carbon/energy sources. Site conditions can be manipulated to enhance in situ biodegradation processes and speed up degradation rates of Site contaminants. In this process, several techniques can be applied to enhance biodegradation of the VOCs at the Site, such as:

1. Injection of air, oxygen, oxygen release compound (ORC), or magnesium, calcium, or hydrogen peroxide to enhance biodegradation of the hydrocarbons under aerobic conditions
2. Nutrient supplementation with suitable sources of nitrogen and phosphorus to enhance biodegradation of contaminants by indigenous microbial population
3. Bioaugmentation by injection of microbial cultures to improve the effectiveness of the microbial population in degrading the compounds of concern

One, or a combination of these techniques, can be applied based on the groundwater conditions. Some technologies that are available for aerobic treatment of soils and groundwater include ORC treatment and biosparging. Biosparging, hydrogen peroxide, and ORC are technologies that supplement oxygen to enhance aerobic biodegradation. ORC is injected as a slurry and would be difficult to disperse into the groundwater 60 feet bgs. Also, the amount of oxygen released for a given volume of ORC is small. Hydrogen peroxide releases its oxygen very quickly and does not sustain the microbial population as effectively as biosparging. Therefore, biosparging is the preferred technology. The injected oxygen would enhance the growth and metabolic activity of hydrocarbon degrading microorganisms, resulting in the oxidation of petroleum hydrocarbons to carbon dioxide and water. Typically the groundwater becomes nutrient deficient during enhanced biodegradation, therefore nutrient supplementation is considered. Bioaugmentation is used when the natural microbial population has been shown to be unable to degrade all the contaminants present or where it is considered necessary to augment the natural biodegradation process.

In situ biosparging involves the injection of pressurized gases into the subsurface at very low flow rates to enhance biodegradation. Oxygen or air is injected to enhance aerobic biodegradation. Injection of oxygen is controlled such that vapors are not generated or

accumulated in the vadose zone. The gas flow can also be supplemented with injection of aqueous nutrients if needed to stimulate bacterial growth and enhance biodegradation of the hydrocarbons in the groundwater and soil. The aqueous nutrient injection would be performed through the same injection wells.

In situ Submerged Oxygen Curtain (iSOC®) is an innovative biosparging technique developed for oxygen injection. An iSOC® unit is a hollow cylinder approximately 1.62 by 15 inches that contains micro-porous hollow fibers. The micro-porous hollow fibers in each iSOC® unit provide a large surface area for the delivery of oxygen gas into the groundwater. The iSOC® unit is lowered into the saturated groundwater interval in a well, and is connected to a regulator and oxygen cylinder(s) via flexible tubing on the surface. Super-saturated oxygen can be delivered to the subsurface at low flow rates such that the gases are infused into the groundwater without the formation of bubbles. A relatively high oxygen sparge rate and nutrient addition would be required to ensure that sufficiently enhanced aerobic conditions were achieved to ensure timely biodegradation of VOCs in the vicinity of well VRI-1.

A bench-scale treatability study is recommended to determine the cost-effective doses of amendments and frequency of applications.

The use of ISEB at this Site would involve the installation of six permanent injection wells as described in Alternative 3 around well VRI-1, and three iSOC® units. With one iSOC® unit per well, treatment would be applied using three wells at a time, on a quarterly basis. At the end of each quarter, the iSOC® units would be removed from the current wells and placed in the other three wells. On a quarterly basis for a period of 5 years, each injection location would be treated for approximately 30 months. Nutrient injections would consist of a 239-gallon solution containing 0.5 pound of ammonium sulfate and 0.1 pound of sodium phosphate, and would be injected every 6 months. The iSOC® injection wells would be used for the nutrient addition.

Groundwater samples would be collected in accordance with the following schedule:

- One round of groundwater samples will be collected and analyzed before treatment commences (wells VRI-1, VRI-2, GT-9)
- Year 1 to 5 (during treatment) – semi – annual for total of ten monitoring events (6 ISEB wells, VRI-1, VRI-2, GT-9, VRI-3, VRI-4, VRI-9, GT-14, GT-15, GT-16, GT-7)
- Year 6 – semi – annual for total of two monitoring events (six ISEB wells, VRI-1, VRI-2, GT-9, VRI-3, VRI-4, VRI-9, GT-14, GT-15, GT-16, GT-7)
- Years 7 to 10 – annual for total of four monitoring events (VRI-1, VRI-2, GT-9, VRI-3, VRI-4, VRI-9, GT-14, GT-15, GT-16, GT-7)

Groundwater samples would be analyzed for the following parameters:

- TCL VOCs
- Non-Standard VOCs
  - 1,2,3-Trichloropropane
  - 1,3,5-Trimethylbenzene
  - 1,2,4-Trimethylbenzene
  - Isopropylbenzene
  - n-Propylbenzene
- Natural attenuation parameters:
  - PAH
  - Nitrate
  - Iron II (dissolved)
  - Sulfate
  - Alkalinity
  - Methane

Parameters to measure in the field during sample collection would include:

- Oxidation-reduction potential (ORP)
- pH
- Dissolved oxygen (DO)
- Temperature
- Conductivity

At the end of the 5-year post treatment monitoring period, an evaluation would be conducted to evaluate remedy effectiveness. The components of Alternative 4, including locations of wells to be sampled, are shown on Figure 5.3. Final locations for the injection wells would be determined during the remedial design. It is anticipated that at the end of the 5-year post-treatment monitoring period, the six injection wells would be abandoned.

5.5 ALTERNATIVE 5 – RETURN TO PRE-DISPOSAL CONDITIONS

Alternative 5 would involve excavating approximately 45 feet of clean soil around well VRI-1 in order to reach soil with concentrations above the Part 375 Unrestricted Use soil cleanup objectives below 45 feet bgs, backfilling the excavation with clean fill; replace monitoring well VRI-1 that would be removed during the excavation; and implementing the ISCO treatment as described in Alternative 3. Alternative 5 is discussed in the following paragraphs.

Based on the analytical results for soil samples collected at the site, only one soil sample collected in 2001 from the VRI-1 location over the depth interval of 55 to 57 feet bgs had concentrations of xylene above the Part 375 Unrestricted Use soil cleanup objectives. The borehole log for well VRI-1 indicates elevated PID readings over the depth interval from 45 to 60 feet bgs. Alternative 5 would involve excavating approximately 20,000 cubic yards of clean soil down to a depth of 45 feet bgs in order to reach the estimated 2,000 cubic yards of impacted soil at depth. Due to the sandy nature of the Site soils, the excavation sidewalls would have to be sloped back approximately 1.5 horizontal to 1 vertical. Shoring (e.g., steel sheet piling) would need to be designed and installed along the eastern side of the excavation to protect the existing structures and buildings on the VRI property against damage during the excavation. Excavated soils would be stockpiled on plastic sheeting. The impacted soil from 45 to 60 feet bgs would be segregated and transported off-site for treatment/disposal. Clean soil would be used to bring the excavation back up to the original grade.

A new groundwater monitoring well VRI-1R would be installed to replace VRI-1, which would be removed during the excavation activities, followed by ISCO treatment as described in Alternative 3.

The components of Alternative 5, including locations of wells to be sampled, are shown on Figure 5.4. Final locations for the ISCO injection wells would be determined during the remedial design. At the end of the 5-year monitoring period, an evaluation would be conducted to evaluate remedy effectiveness. It is anticipated that at the end of the 5-year monitoring period, the six injection wells would be abandoned.

6.0 EVALUATION OF ALTERNATIVES

In accordance with DER 10, "Technical Guidance for Site Investigation and Remediation", May 2010, alternatives described in Section 5.0 are evaluated based on the following criteria:

- Overall protectiveness of human health and the environment
- Conformity to the Standards, Criteria, and Guidance (SCGs)
- Short-term impacts and effectiveness
- Long-term effectiveness and permanence
- Reduction in toxicity, mobility, or volume of contamination
- Implementability
- Consistency with applicable zoning
- Cost
- Consistency with "Green Remediation" principles (DER-31)

6.1 ALTERNATIVE 1 - NO ACTION

Overall Protectiveness of Human Health and Environment

Groundwater at well VRI-1 contains elevated concentrations of select VOCs, as discussed in Section 2.4.2.

However, there are no complete exposure pathways for the groundwater at the Site. The groundwater is approximately 60 feet bgs which prevents direct exposure during construction activities. The facility is on municipal water which precludes the use of groundwater as a potable water source. Soil gas sampling results indicate that soil vapor intrusion into the on-Site buildings is not a concern. Therefore, this alternative would be protective of human health and the environment.

Conformity To SCGs

Alternative 1 does not comply with groundwater SCGs as the concentrations of VOCs in the groundwater at VRI-1 will continue to exceed the Class GA groundwater standards for an extended period of time.

Short-term Impacts and Effectiveness

Alternative 1 would not create any additional short-term impacts to the community or the environment.

Long-term Effectiveness and Permanence

Over time, natural attenuation of VOCs in the groundwater at VRI-1 would provide long-term effectiveness and permanence. However, it is noted that VOC concentrations at VRI-1 have only reduced slightly over the past 10 years. Therefore, it is expected that natural attenuation processes will take a considerable length of time to reduce VOC concentrations at VRI-1 to levels close to the Class GA groundwater standards.

Reduction in Toxicity, Mobility, or Volume

Alternative 1 would reduce the toxicity, mobility, and volume of the impacted groundwater in the vicinity of well VRI-1 through natural attenuation, which is expected to take a relatively long time.

Implementability

Alternative 1 would be readily implementable.

Consistency With Applicable Zoning

Alternative 1 is compatible with the Heavy Industrial (I2) zoning of the Site.

Costs

No costs are associated with Alternative 1.

Consistency With "Green Remediation" Principles

Alternative 1 is environmentally sustainable and is compliant with the "Green Remediation" procedures as set forth in the (NYSDEC) DER-31 Program Policy document.

6.2 ALTERNATIVE 2 – MONITORED NATURAL ATTENUATION (MNA)

Overall Protectiveness of Human Health and Environment

Groundwater at well VRI-1 contains concentrations of select VOCs, as discussed in Section 2.4.2.

However, there are no complete exposure pathways for the groundwater at the Site. The groundwater is approximately 60 feet bgs which prevents direct exposure during construction activities. The facility is on municipal water which precludes the use of groundwater as a potable water source. Soil gas sampling results indicate that soil vapor intrusion into the on-Site buildings is not a concern. Therefore, this alternative would be protective of human health and the environment.

Conformity To SCGs

Alternative 2 does not comply with groundwater SCGs as the concentrations of VOCs in the groundwater at VRI-1 will continue to exceed the Class GA groundwater standards for an extended period of time. It is anticipated that natural attenuation will take a considerable time to reduce groundwater concentrations to meet the Class GA groundwater standards.

Short-term Impacts and Effectiveness

Alternative 2 would not create any additional short-term impacts to the community or the environment.

Long-term Effectiveness and Permanence

Over time, natural attenuation would provide long-term effectiveness and permanence. However, it is noted that VOC concentrations at VRI-1 have remained relatively unchanged over the past 10 years. Therefore, it is expected that natural attenuation processes will take a considerable length of time to reduce VOC concentrations at VRI-1 to levels close to the Class GA groundwater standards.

Reduction in Toxicity, Mobility, or Volume

Alternative 2 would reduce the toxicity, mobility, and volume of the impacted groundwater in the vicinity of well VRI-1 through natural attenuation, which is expected to take a relatively long time.

Implementability

Alternative 2 would be readily implementable.

Consistency With Applicable Zoning

Alternative 2 is compatible with the Heavy Industrial (I2) zoning of the Site.

Costs

For cost estimating purposes, it is assumed that annual monitoring would be performed for a 30-year period. There would be no direct capital costs. Annual monitoring costs in the first year would be $77,720, and $38,860 every year for the next 29 years. An evaluation of the monitoring data would be conducted at the end of 5 years and be used to determine any potential modifications to the monitoring program. Over a 30-year period, the present worth of Alternative 2 using a 3 percent discount factor and a 20 percent contingency is estimated to be $970,300, as summarized in Table 6.1.

Consistency With "Green Remediation" Principles

Alternative 2 is an environmentally sustainable remedial strategy and is compliant with the "Green Remediation" procedures as set forth in the (NYSDEC) DER-31 Program Policy document.

6.3 ALTERNATIVE 3 – IN SITU CHEMICAL OXIDATION (ISCO)

Overall Protectiveness of Human Health and Environment

Groundwater at well VRI-1 contains concentrations of select VOCs, as discussed in Section 2.4.2.

However, there are no complete exposure pathways for the groundwater at the Site. The groundwater is approximately 60 feet bgs which prevents direct exposure during

construction activities. The facility is on municipal water which precludes the use of groundwater as a potable water source. Soil gas sampling results indicate that soil vapor intrusion into the on-Site buildings is not a concern. As Alternative 3 would reduce the chemical concentrations in the groundwater, the risk of potential future exposure is even less than for Alternatives 1 and 2.

Conformity To SCGs

Alternative 3 would result in significantly reducing VOC concentrations in the groundwater in the vicinity of VRI-1. However, ISCO would not immediately reduce VOC concentrations to levels below the Class GA Groundwater standards.

Injection of a chemical oxidizer reagent will require the need to obtain an Underground Injection Control (UIC) permit from USEPA/NYSDEC. USEPA would be notified in accordance with 40 CFR 144 prior to conducting the subsurface injections.

Short-term Impacts and Effectiveness

Installation of the injection wells for Alternative 3 could potentially expose workers to VOCs in the groundwater during drilling activities. However, these potential exposure issues would be mitigated by implementing a health and safety program and environmental controls. Care would also be taken by the workers when handing the reagents, mixing the solution, and injecting the solution into the ISCO wells.

Long-term Effectiveness and Permanence

Alternative 3 would be effective in the long term as VOC concentrations in the groundwater at VRI-1 would be permanently reduced.

Reduction in Toxicity, Mobility, or Volume

Alternative 3 would reduce the toxicity, mobility and volume of VOCs in the groundwater at well VRI-1.

Implementability

Implementation of Alternative 3 can be completed with standard construction equipment and readily available technology.

Consistency With Applicable Zoning

Alternative 3 is compatible with the Heavy Industrial (I2) zoning of the Site.

Costs

The total estimated capital cost to implement Alternative 3 is approximately $104,980. The expected operations and maintenance cost for ISCO is estimated to be $58,090 per year for 1 year. The estimated monitoring cost immediately prior to the start of the injection is $6,030. The estimated monitoring cost in Year 1 is $26,610; in Year 2, $31,040; and in Year 3 to Year 5, $17,380 per year. At the end of the 5-year monitoring period, an evaluation would be conducted to evaluate remedy effectiveness. It is anticipated that at the end of the 5-year monitoring period, the six injection wells would be abandoned at an estimated cost of $9,760. The net present worth of Alternative 3 using a discount factor of 3 percent and a contingency of 20 percent is estimated to be $344,000. The costs are presented in Table 6.2.

Consistency With "Green Remediation" Principles

Alternative 3 is an environmentally sustainable remedial strategy and is compliant with the "Green Remediation" procedures as set forth in the (NYSDEC) DER-31 Program Policy document.

6.4 ALTERNATIVE 4 – IN SITU ENHANCED BIOREMEDIATION

Overall Protectiveness of Human Health and Environment

Groundwater at well VRI-1 contains concentrations of select VOCs, as discussed in Section 2.4.2.

However, there are no complete exposure pathways for the groundwater at the Site. The groundwater is approximately 60 feet bgs which prevents direct exposure during construction activities. The facility is on municipal water which precludes the use of groundwater as a potable water source. Soil gas sampling results indicate that soil vapor intrusion into the on-Site buildings is not a concern. As Alternative 4 would reduce the chemical concentrations in the groundwater, the risk of potential future exposure is even less than for Alternatives 1 and 2.

Conformity To SCGs

Alternative 4 would result in reducing VOC concentrations in the groundwater in the vicinity of VRI-1. However, it is not known if ISEB would reduce VOC concentrations to levels below the Class GA Groundwater standards.

Installation of injection wells will require the need to obtain an Underground Injection Control (UIC) permit from USEPA/NYSDEC. USEPA would be notified in accordance with 40 CFR 144 prior to conducting the subsurface injections.

Short-term Impacts and Effectiveness

Installation of the injection wells for Alternative 4 could potentially expose workers to VOCs in the groundwater during drilling activities. However, these potential exposure issues would be mitigated by implementing a health and safety program and environmental controls. Care would also be taken by the workers when handing the materials and equipment.

Long-term Effectiveness and Permanence

Alternative 4 would be effective in the long term as VOC concentrations in the groundwater at VRI-1 would be permanently reduced.

Reduction in Toxicity, Mobility, or Volume

Alternative 4 would reduce the toxicity, mobility and volume of VOCs in the groundwater at well VRI-1.

Implementability

Implementation of Alternative 4 can be completed with standard construction equipment and readily available technology. The treatment period is expected to be approximately 5 years which is longer than Alternative 3.

Consistency With Applicable Zoning

Alternative 4 is compatible with the Heavy Industrial (I2) zoning of the Site.

Costs

The total estimated capital cost to implement Alternative 4 is approximately $119,990. The expected ISEB operations and maintenance cost would be approximately $22,080 per year for 5 years. The estimated monitoring cost immediately prior to the start of the injection is $7,170. The annual groundwater monitoring cost from Year 1 to Year 6 is estimated to be $40,150; from Year 7 to Year 10, $20,120 per year. At the end of 5 years' post-treatment monitoring, an evaluation would be conducted to evaluate remedy effectiveness. It is anticipated that after 5 years of post-treatment monitoring, the injection wells will be abandoned at an estimated cost of $9,760. The net present worth of Alternative 4 using a discount factor of 3 percent and a 20 percent contingency would be $629,600. The costs are presented in Table 6.3.

Consistency With "Green Remediation" Principles

Alternative 4 is an environmentally sustainable remedial strategy and is compliant with the "Green Remediation" procedures as set forth in the (NYSDEC) DER-31 Program Policy document.

6.5 ALTERNATIVE 5 – RETURN TO PRE-DISPOSAL CONDITIONS

Overall Protectiveness of Human Health and Environment

Groundwater at well VRI-1 contains concentrations of select VOCs, as discussed in Section 2.4.2; and the concentration of xylenes exceeds the Part 375 Unrestricted Use soil cleanup objectives at VRI-1 over the depth interval of 55 to 57 feet bgs based on the soil sample collected in 2001.

However, there are no complete exposure pathways for the groundwater or soil at the Site. The groundwater is approximately 60 feet bgs which prevents direct exposure. Similarly the impacted soil at VRI-1 is estimated to be approximately 45 feet bgs which also prevents direct exposure. The facility is on municipal water which precludes the use of groundwater as a potable water source. Soil gas sampling results indicate that soil vapor intrusion into the on-Site buildings is not a concern. As the impacted soil at VRI-1 is inaccessible, the risk of potential future exposure for Alternative 5 is similar to Alternatives 3 and 4.

Conformity To SCGs

Alternative 5 would result in significantly reducing VOC concentrations in the groundwater in the vicinity of VRI-1, and remove impacted soil that exceeded the Part 375 Unrestricted Use soil cleanup objectives for xylenes. However, ISCO would not immediately reduce VOC concentrations to levels below the Class GA Groundwater standards.

Injection of a chemical oxidizer reagent will require the need to obtain an Underground Injection Control (UIC) permit from USEPA/NYSDEC. USEPA would be notified in accordance with 40 CFR 144 prior to conducting the subsurface injections.

Short-term Impacts and Effectiveness

Excavation activities and subsequent drilling activities for installation of the injection wells for Alternative 5 could potentially expose workers to VOCs in soil and groundwater. However, these potential exposure issues would be mitigated by implementing a health and safety program and environmental controls. Care would also be taken by the workers when handing the ISCO reagents, mixing the solution, and injecting the solution into the ISCO wells. Removal of soils will involve a large, deep excavation that could potentially undermine building structures along the west side of the VRI property. Engineering controls would be required to protect site infrastructure during performance of the work. An excavation and soil handling program of this magnitude could also cause excessive dust generation. Control measures would have to be implemented to prevent dust generation and sediment/erosion problems. Alternative 5 is an energy intensive remedial measure that would not conform to Green Remediation Principles. The alternative would not only involve significant truck traffic, with associated noise, road usage, and diesel emissions, but it would involve substantial land consumption from a borrow pit for replacement fill, while also unnecessarily taking up air space at an off-Site landfill location. The alternative would likely be disruptive to the community with dust generation and truck traffic.

Long-term Effectiveness and Permanence

Alternative 5 would be effective in the long term as VOC concentrations in the groundwater at VRI-1R would be permanently reduced, and the soils exceeding the Part 375 Unrestricted Use soil cleanup objectives for xylenes would be removed.

Reduction in Toxicity, Mobility, or Volume

Alternative 5 would reduce the toxicity, mobility and volume of VOCs in the groundwater and soil in the vicinity of well VRI-1R.

Implementability

Implementation of Alternative 5 would require specialized construction equipment and methods for the excavation; and standard construction equipment for the installation of the replacement well VRI-1R and ISCO injection wells. Specialized construction equipment and methods would be required for the deep excavation. Geotechnical testing and design and installation of extensive shoring along the eastern side of the excavation would be required to protect nearby building structures.

Consistency With Applicable Zoning

Alternative 5 could be implemented in the Heavy Industrial (I2) zoning of the Site but it would not alter the industrial usage at the Site. The truck traffic that would be required to implement Alternative 5 would be disruptive to the residential community in the vicinity of the site.

Costs

The total estimated capital cost to implement Alternative 5 is approximately $3,757,500. The expected operations and maintenance cost for ISCO is estimated to be $58,090 per year for 1 year. The monitoring cost immediately prior to the start of the injection is estimated to be $6,030. The monitoring cost in Year 1 is estimated to be $26,610; in Year 2, $31,040; and in Year 3 to Year 5, $17,380 per year. At the end of the 5-year monitoring period, an evaluation would be conducted to evaluate remedy effectiveness. It is anticipated that at the end of the 5-year post-treatment monitoring period, the six injection wells would be abandoned at an estimated cost of $9,760. The net present worth of Alternative 5 using a discount factor of 3 percent and a contingency of 20 percent is estimated to be $4,727,000. The costs are presented in Table 6.3.

Consistency With "Green Remediation" Principles

Alternative 5 is an energy intensive remedial measure that would not conform to Green Remediation Principles. Alternative 5 specifically violates "Green Remediation" principles as it would involve significant truck traffic, with associated noise, road usage and diesel emissions. Alternative 5 would also involve substantial land consumption from a borrow pit for replacement fill, while also unnecessarily taking up air space at an off-Site landfill location.

7.0 RECOMMENDED REMEDIAL ACTION

Alternative 1 (no action) and Alternative 2 (MNA) are easier to implement than Alternative 3 (ISCO), Alternative 4 (ISEB) and Alternative 5 (Return To Pre-Disposal Conditions) as they do not involve any drilling or construction activities. The costs of Alternative 1 ($0) and Alternative 2 ($970,300) are the lowest and second highest, respectively. The costs of the alternatives from lowest to highest are: Alternative 1 ($0), Alternative 3 ($344,000), Alternative 4 ($629,600), Alternative 2 ($970,300), and Alternative 5 ($4,727,000). Furthermore, Alternatives 1 and 2 do not actively address the VOC concentrations in the groundwater in the vicinity of well VRI-1; that is, the toxicity, mobility, and volume of the VOC impacted groundwater are not reduced by active remediation. As discussed in Section 2.4.2, several VOCs at concentrations above NYSDEC criteria have been detected in the groundwater at VRI-1 over the last 10 years, and have not shown a significantly decreasing trend. For this reason also, Alternative 2 (MNA) is considered not to be completely effective, as any natural attenuation processes that may be present do not appear to be significantly reducing the VOC concentrations quick enough. Subsequently, Alternatives 1 and 2 are no longer considered.

Alternative 3 (ISCO), Alternative 4 (ISEB), and Alternative 5 (Return To Pre-Disposal Conditions) would all directly address the VOC concentrations in the groundwater in the vicinity of well VRI-1. Alternative 5 would remove the impacted soil and also address the VOC concentrations in the groundwater. Alternatives 3 and 4 are consistent with "Green Remediation" principles and are expected to be effective in reducing the VOC concentration in the groundwater. Alternative 5 specifically violates "Green Remediation" principles as it would involve significant truck traffic, with associated noise, road usage and diesel emissions. Alternative 5 would also involve substantial land consumption from a borrow pit for replacement fill, while also unnecessarily taking up air space at an off-Site landfill location. Both Alternatives 3 and 4 involve common drilling and construction techniques. The drilling and construction activities for both alternatives would be completed relatively quickly. Alternative 5, however, requires specialized construction equipment and methods for the deep excavation of the impacted soil. The treatment periods for Alternative 3, Alternative 4, and Alternative 5 are expected to be 1 year, 5 years, and 1 year, respectively. The estimated cost of Alternative 3 ($344,000) is less than the estimated cost of Alternative 4 ($629,600), and significantly less than Alternative 5 ($4,727,000).

Therefore, based on the shorter treatment period lower cost, and implementability Alternative 3 (ISCO) is the recommended remedial alternative.

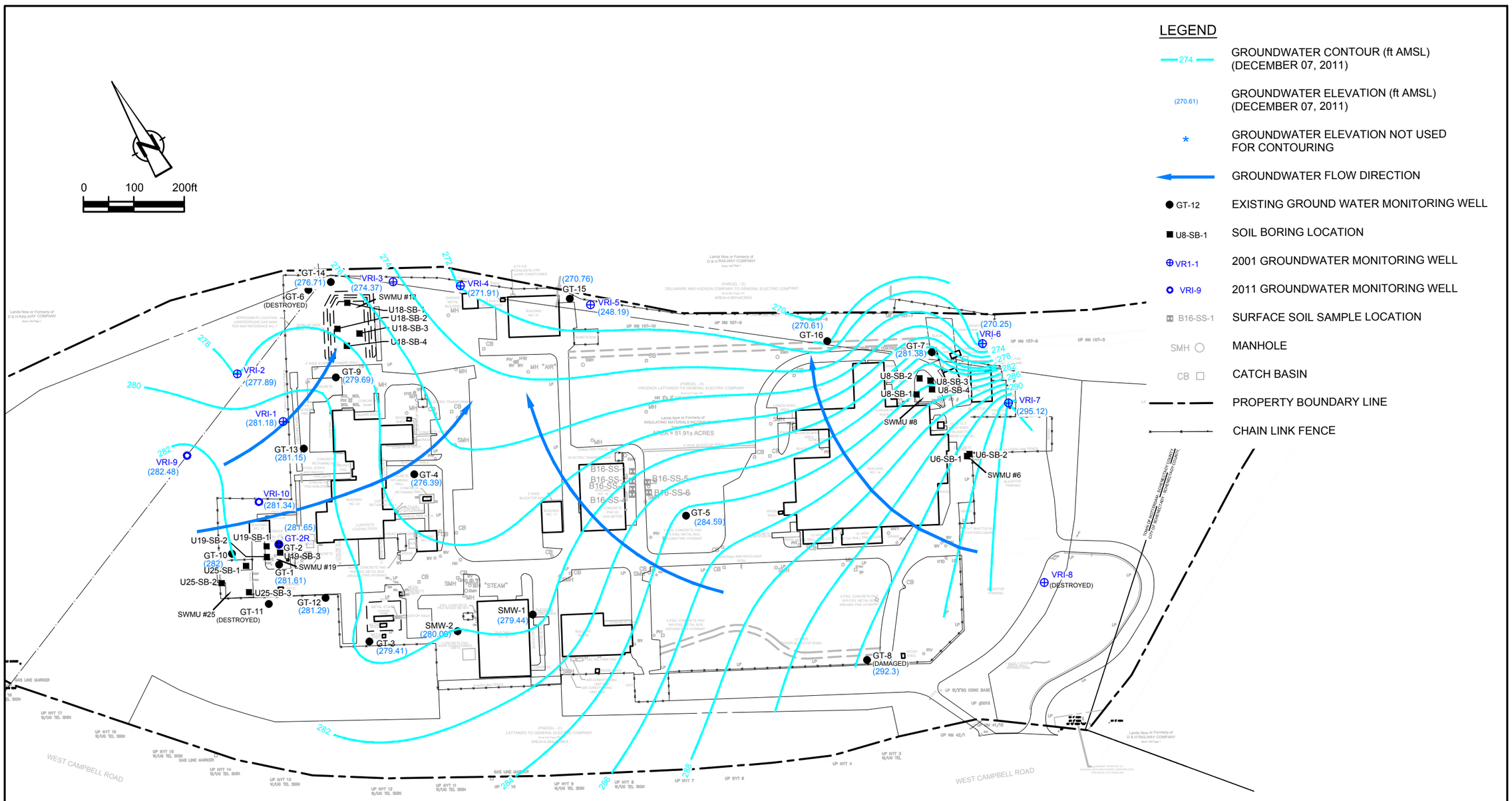


figure 2.1

GROUNDWATER CONTOURS
(DECEMBER 7, 2011)
VRI RIVERVIEW FACILITY
Schenectady, New York

18631-50(011)GN-WA001 NOV 6/2012

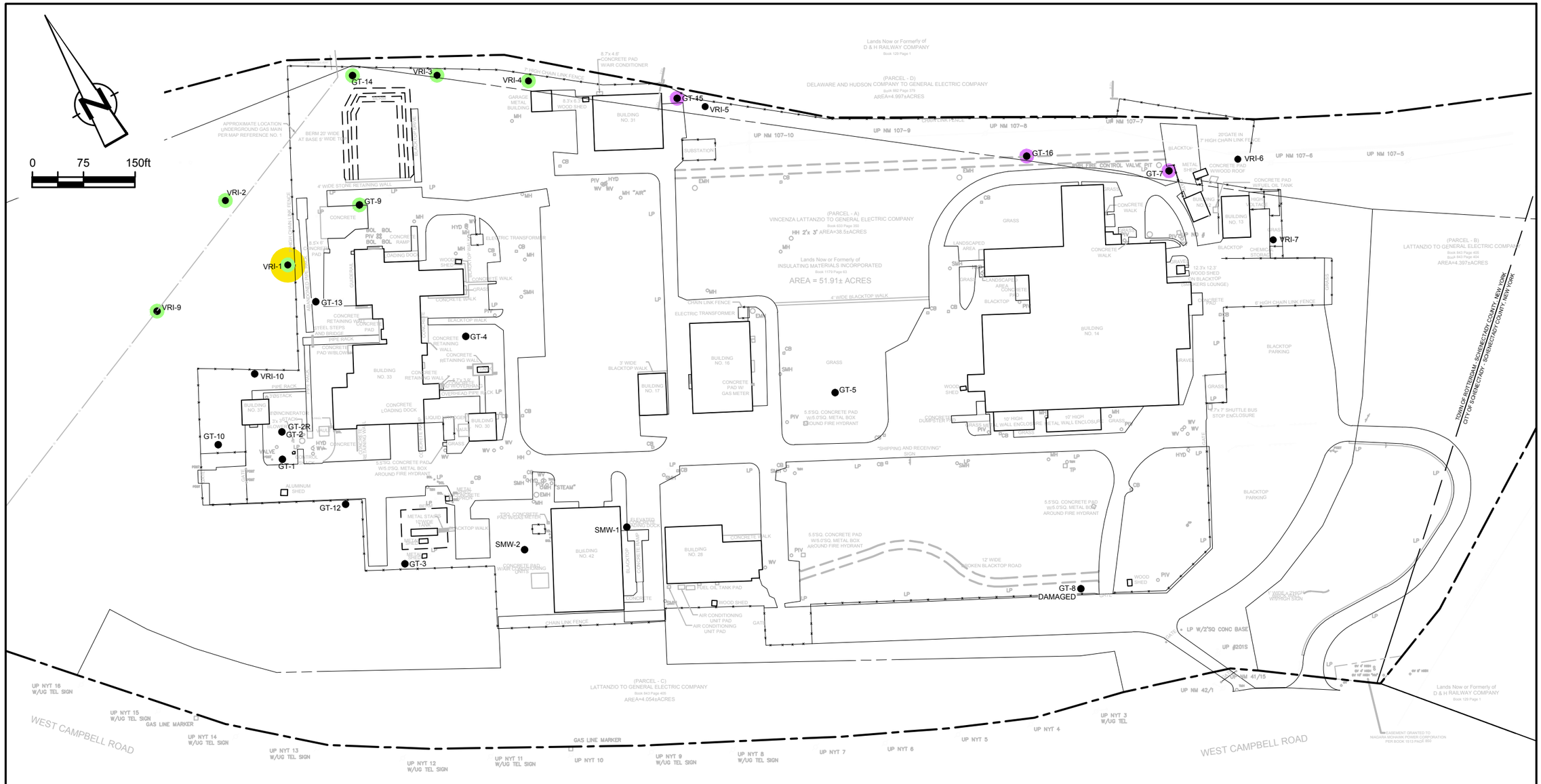


figure 5.1

ALTERNATIVE 2 COMPONENTS
VRI-RIVERVIEW FACILITY
Schenectady, New York

18631-50(011)GN-WA005 NOV 6/2012

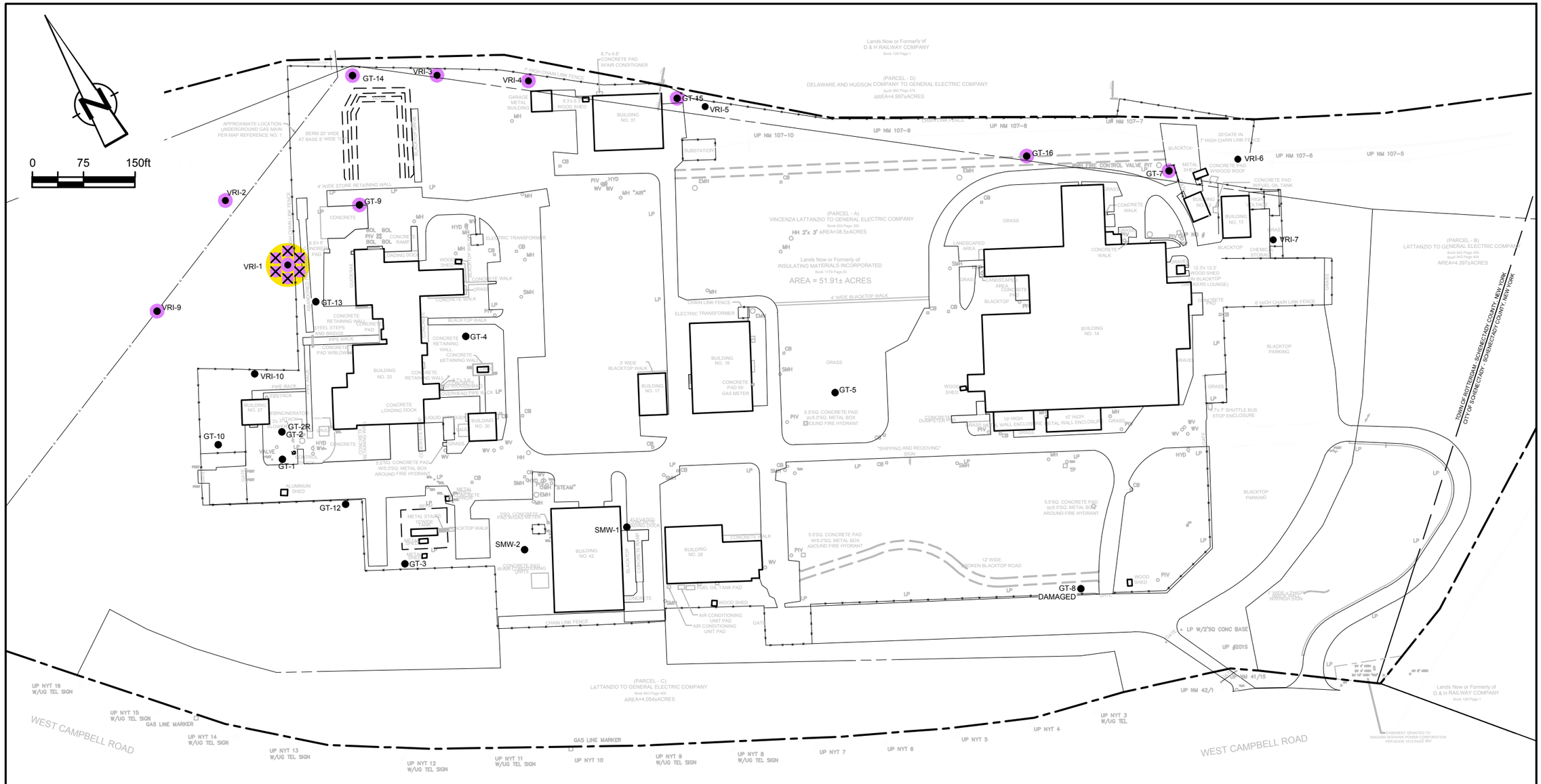


figure 5.2

ALTERNATIVE 3 COMPONENTS
VRI-RIVERVIEW FACILITY
Schenectady, New York

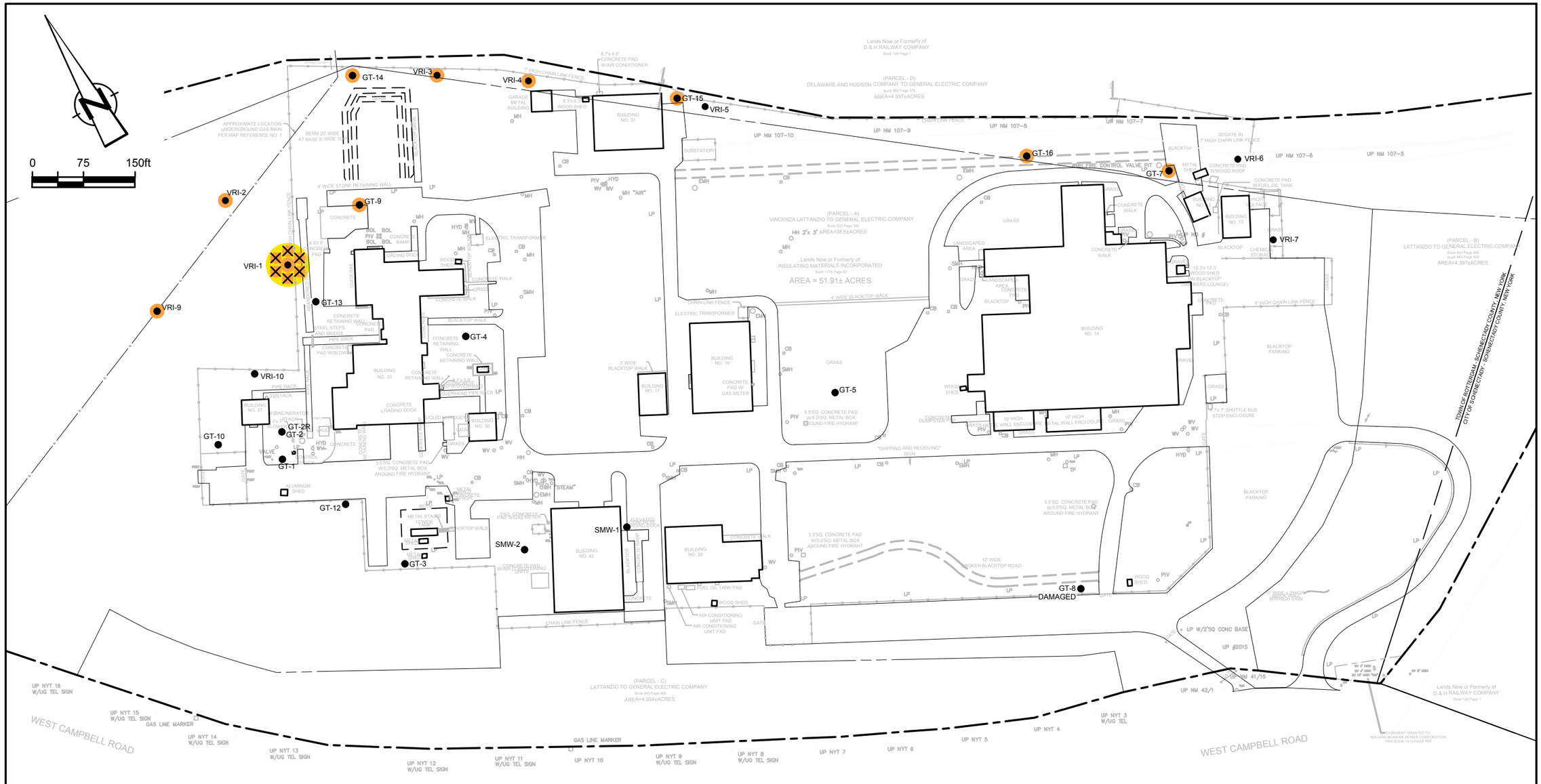


figure 5.3

ALTERNATIVE 4 COMPONENTS
VRI-RIVERVIEW FACILITY
Schenectady, New York

0 75 150ft

SHORING

V = 1
H = 1.5

APPROXIMATE EXCAVATION WITH 20ft x 20 ft (BOTTOM) x 60 ft (DEEP) LAYOUT

VRI-1 VRI-2 VRI-3 VRI-4 VRI-5 VRI-6 VRI-7 VRI-9 VRI-10

GT-1 GT-2 GT-2R GT-3 GT-4 GT-5 GT-7 GT-8 DAMAGED GT-9 GT-10 GT-12 GT-13 GT-14 GT-15 GT-16

SMW-1 SMW-2

Lands Now or Formerly of INSULATING MATERIALS INCORPORATED
Book 1179 Page 63
AREA = 51.91± ACRES

(PARCEL - A)
VINCENZA LATTANZIO TO GENERAL ELECTRIC COMPANY
Book 633 Page 350
AREA=38.5±ACRES

(PARCEL - B)
LATTANZIO TO GENERAL ELECTRIC COMPANY
Book 843 Page 405
Book 843 Page 404
AREA=4.397±ACRES

(PARCEL - C)
LATTANZIO TO GENERAL ELECTRIC COMPANY
Book 843 Page 405
AREA=4.054±ACRES

(PARCEL - D)
DELAWARE AND HUDSON COMPANY TO GENERAL ELECTRIC COMPANY
Book 882 Page 379
AREA=4.997±ACRES

Lands Now or Formerly of D & H RAILWAY COMPANY
Book 129 Page 1

TOWN OF ROTTERDAM - SCHENECTADY COUNTY, NEW YORK
CITY OF SCHENECTADY - SCHENECTADY COUNTY, NEW YORK

WEST CAMPBELL ROAD

LEGEND

- VRI-1 GROUNDWATER MONITORING WELL
- SMH MANHOLE
- CB CATCH BASIN
- PROPERTY BOUNDARY LINE
- CHAIN LINK FENCE
- MONITORING WELL TO BE SAMPLED FOR VOCs AND NON-STANDARD VOCs
- APPROXIMATE AREA OF IMPACTED GROUNDWATER
- PROPOSED ISCO INJECTION WELL

ISCO TREATMENT COMPONENT

VRI-2 VRI-1R VRI-9 GT-13

BACKFILLED EXCAVATION

CONCRETE PAD
CONCRETE RETAINING WALL
STEEL STEPS AND BRIDGE
PIPE RACK
CONCRETE

figure 5.4

ALTERNATIVE 5 COMPONENTS
VRI-RIVERVIEW FACILITY
Schenectady, New York

18631-50(011)GN-WA011 NOV 6/2012

TABLE 2.1

CHRONOLOGY OF PREVIOUS SITE INVESTIGATIONS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Date	*Company*	*Description of Activities*	*Reason for Activities*
On-Site Investigations			
April/May 1987	Groundwater Technology, Inc.	Collection of groundwater samples from GT-1 and GT-2.	Component of investigation to determine whether a 1987 spill near the former RCRA Storage Tank impacted groundwater.
August 1987	Groundwater Technology, Inc.	Collection of two rounds of groundwater samples from GT-1 through GT-9.	Component of subsurface investigation to assess areas of concern throughout the Site.
February 1988	Groundwater Technology, Inc.	Collection of groundwater samples from monitoring wells GT-1, GT-2, GT-10, GT-11 and GT-12.	Samples were collected as part of an additional subsurface investigation requested by NYSDEC.
September 1988	Groundwater Technology, Inc.	Collection of groundwater samples from monitoring wells GT-2, GT-3, GT-7, GT-8, GT-9, and GT-11.	Samples were collected as part of an additional subsurface investigation requested by NYSDEC. NYSDEC collected split samples.
September 1991	Smith & Mahoney, P.C.	Installation of monitoring wells SMW-1 and SMW-2 and collection of groundwater samples.	Component of Environmental Assessment Update of Building RV-42 Warehouse.
September 1992	Groundwater Technology, Inc.	Collection of groundwater samples from monitoring wells GT-1, GT-3 through GT-10, and GT-12 through GT-16.	Samples were collected as part of an additional subsurface assessment program requested by NYSDEC. NYSDEC collected split samples.
September 1993	Rust Environment & Infrastructure, Inc.	Collection of groundwater samples from monitoring wells GT-9 and GT-13.	Collected to evaluate the impact of a June 1992 IMI wash solvent spill on groundwater quality.
December 1, 1994	Wagner, Heindel and Noyes, Inc.	Collection of groundwater samples from GT-1, GT-4, GT-5, GT-7, GT-9, GT-10, GT-12, GT-13, GT-14, GT-15, and GT-16.	Sample collection completed as a component of a real estate transaction investigation.

TABLE 2.1

CHRONOLOGY OF PREVIOUS SITE INVESTIGATIONS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Date	*Company*	*Description of Activities*	*Reason for Activities*
September 30 to October 6, 2009	Conestoga-Rovers & Associates, Inc.	Collection of groundwater samples from GT-1, GT-2R, GT-3, GT-4, GT-5, GT-7, GT-8, GT-9, GT-10, GT-12, GT-13, GT-14, GT-15, GT-16, SMW-1, SMW-2, VRI-1, VRI-2, VRI-3, VRI-4, VRI-5, VRI-6, VRI-7	Sample collection completed to supplement the August 2002 RI Report.
July to October 2011	Conestoga-Rovers & Associates, Inc.	Gore Sorber® Soil vapor survey on west end of Site around VRI-1; installation and collection of vapor samples at 8 soil vapor probes; installation of 2 monitoring wells (VRI-9 and VRI-10); groundwater sample collection at wells GT-7, GT-8, GT-10, GT-13, GT-15, GT-16, VRI-1, VRI-3, VRI-7, VRI-9, VRI-10	Additional field investigation requested by NYSDEC in April 1, 2011 letter; work plan outlined in CRA June 1, 2001 letter
December 5 to 9, 2011	Conestoga-Rovers & Associates, Inc.	Collection of groundwater samples from GT-7, GT-8, GT-9, GT-10, GT-13, GT-15, GT-16, VRI-1, VRI-3, VRI-5, VRI-7, VRI-9, VRI-10	Second round of groundwater sampling as per CRA June 1, 2011 work plan
Off-Site Investigations			
August/January 1986	Woodward-Clyde Consultants	Collections of groundwater samples from GE-11.	Component of 1989 Field Investigation, sample submitted for priority pollutant organic analyses.
Twelve sampling events between March 1983 and December 1997	Dames & Moore	Collection of groundwater samples from GE-30 and GE-31.	Routine monitoring.

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*B16-SS1*	*B16-SS2*	*B16-SS3*	*B16-SS4*	*B16-SS5*	*B16-SS6*
Sample ID:				*S-18631-100201-MEJ-016*	*S-18631-100201-MEJ-015*	*S-18631-100201-MEJ-014*	*S-18631-100201-MEJ-013*	*S-18631-100201-MEJ-017*	*S-18631-100201-MEJ-018*
Sample Date:				*10/2/2001*	*10/2/2001*	*10/2/2001*	*10/2/2001*	*10/2/2001*	*10/2/2001*
Sample Depth:				*0-0.5 ft*	*0-0.5 ft*	*0-0.5 ft*	*0-0.5 ft*	*0-0.5 ft*	*0-0.5 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*						
Volatiles									
1,1,1-Trichloroethane	µg/kg	680	1000000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
1,1,2,2-Tetrachloroethane	µg/kg	-	-	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
1,1,2-Trichloroethane	µg/kg	-	-	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
1,1-Dichloroethane	µg/kg	270	480000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
1,1-Dichloroethene	µg/kg	330	1000000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
1,2-Dichloroethane	µg/kg	20	60000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
1,2-Dichloropropane	µg/kg	-	-	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	120	1000000	24 U	24 U	24 U	23 U	24 U	23 U
2-Hexanone	µg/kg	-	-	24 U	24 U	24 U	23 U	24 U	23 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	-	-	24 U	24 U	24 U	23 U	24 U	23 U
Acetone	µg/kg	50	1000000	24 U	24 U	24 U	23 U	24 U	23 U
Benzene	µg/kg	60	89000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Bromodichloromethane	µg/kg	-	-	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Bromoform	µg/kg	-	-	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Bromomethane (Methyl bromide)	µg/kg	-	-	R	R	R	R	R	R
Carbon disulfide	µg/kg	-	-	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Carbon tetrachloride	µg/kg	760	44000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Chlorobenzene	µg/kg	1100	1000000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Chloroethane	µg/kg	-	-	12 U	12 U	12 U	12 U	12 U	12 U
Chloroform (Trichloromethane)	µg/kg	370	700000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Chloromethane (Methyl chloride)	µg/kg	-	-	12 U	12 U	12 U	12 U	12 U	12 U
cis-1,2-Dichloroethene	µg/kg	250	1000000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
cis-1,3-Dichloropropene	µg/kg	-	-	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Dibromochloromethane	µg/kg	-	-	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Ethylbenzene	µg/kg	1000	780000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Methylene chloride	µg/kg	50	1000000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Styrene	µg/kg	-	-	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Tetrachloroethene	µg/kg	1300	300000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Toluene	µg/kg	700	1000000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
trans-1,2-Dichloroethene	µg/kg	190	1000000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
trans-1,3-Dichloropropene	µg/kg	-	-	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Trichloroethene	µg/kg	470	400000	5.9 U	6.0 U	5.9 U	5.8 U	5.9 U	5.8 U
Vinyl chloride	µg/kg	20	27000	12 U	12 U	12 U	12 U	12 U	12 U
Xylenes (total)	µg/kg	260	1000000	18 U	18 U	18 U	17 U	18 U	18 U
Semi-volatiles									
1,2,4-Trichlorobenzene	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
1,2-Dichlorobenzene	µg/kg	1100	1000000	390 U	390 U	390 U	380 U	390 U	390 U
1,3-Dichlorobenzene	µg/kg	2400	560000	390 U	390 U	390 U	380 U	390 U	390 U
1,4-Dichlorobenzene	µg/kg	1800	250000	390 U	390 U	390 U	380 U	390 U	390 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
2,4,5-Trichlorophenol	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
2,4,6-Trichlorophenol	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
2,4-Dichlorophenol	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
2,4-Dimethylphenol	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
2,4-Dinitrophenol	µg/kg	-	-	1900 U	1900 U	1900 U	1900 U	1900 U	1900 U
2,4-Dinitrotoluene	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
2,6-Dinitrotoluene	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
2-Chloronaphthalene	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
2-Chlorophenol	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
2-Methylnaphthalene	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
2-Methylphenol	µg/kg	330	1000000	390 U	390 U	390 U	380 U	390 U	390 U
2-Nitroaniline	µg/kg	-	-	1900 U	1900 U	1900 U	1900 U	1900 U	1900 U
2-Nitrophenol	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*B16-SS1*	*B16-SS2*	*B16-SS3*	*B16-SS4*	*B16-SS5*	*B16-SS6*
Sample ID:				*S-18631-100201-MEJ-016*	*S-18631-100201-MEJ-015*	*S-18631-100201-MEJ-014*	*S-18631-100201-MEJ-013*	*S-18631-100201-MEJ-017*	*S-18631-100201-MEJ-018*
Sample Date:				*10/2/2001*	*10/2/2001*	*10/2/2001*	*10/2/2001*	*10/2/2001*	*10/2/2001*
Sample Depth:				*0-0.5 ft*	*0-0.5 ft*	*0-0.5 ft*	*0-0.5 ft*	*0-0.5 ft*	*0-0.5 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*						
3,3'-Dichlorobenzidine	µg/kg	-	-	1900 U	1900 U	1900 U	1900 U	1900 U	1900 U
3-Nitroaniline	µg/kg	-	-	1900 U	1900 U	1900 U	1900 U	1900 U	1900 U
4,6-Dinitro-2-methylphenol	µg/kg	-	-	1900 U	1900 U	1900 U	1900 U	1900 U	1900 U
4-Bromophenyl phenyl ether	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
4-Chloro-3-methylphenol	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
4-Chloroaniline	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
4-Chlorophenyl phenyl ether	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
4-Methylphenol	µg/kg	330	1000000	390 U	390 U	390 U	380 U	390 U	390 U
4-Nitroaniline	µg/kg	-	-	1900 U	1900 U	1900 U	1900 U	1900 U	1900 U
4-Nitrophenol	µg/kg	-	-	1900 U	1900 U	1900 U	1900 U	1900 U	1900 U
Acenaphthene	µg/kg	20000	1000000	390 U	390 U	390 U	380 U	390 U	390 U
Acenaphthylene	µg/kg	100000	1000000	390 U	390 U	390 U	380 U	390 U	390 U
Anthracene	µg/kg	100000	1000000	390 U	390 U	390 U	380 U	390 U	390 U
Benzo(a)anthracene	µg/kg	1000	11000	390 U	390 U	390 U	380 U	390 U	390 U
Benzo(a)pyrene	µg/kg	1000	1100	390 U	390 U	390 U	380 U	390 U	390 U
Benzo(b)fluoranthene	µg/kg	1000	11000	390 U	390 U	390 U	380 U	390 U	390 U
Benzo(g,h,i)perylene	µg/kg	100000	1000000	390 U	390 U	390 U	380 U	390 U	390 U
Benzo(k)fluoranthene	µg/kg	800	110000	390 U	390 U	390 U	380 U	390 U	390 U
bis(2-Chloroethoxy)methane	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
bis(2-Chloroethyl)ether	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
Butyl benzylphthalate (BBP)	µg/kg	-	-	390 U	68 J	390 U	380 U	390 U	390 U
Carbazole	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
Chrysene	µg/kg	1000	110000	390 U	390 U	390 U	380 U	390 U	390 U
Dibenz(a,h)anthracene	µg/kg	330	1100	390 U	390 U	390 U	380 U	390 U	390 U
Dibenzofuran	µg/kg	7000	1000000	390 U	390 U	390 U	380 U	390 U	390 U
Diethyl phthalate	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
Dimethyl phthalate	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
Di-n-butylphthalate (DBP)	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
Di-n-octyl phthalate (DnOP)	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
Fluoranthene	µg/kg	100000	1000000	390 U	390 U	390 U	380 U	390 U	390 U
Fluorene	µg/kg	30000	1000000	390 U	390 U	390 U	380 U	390 U	390 U
Hexachlorobenzene	µg/kg	330	12000	390 U	390 U	390 U	380 U	390 U	390 U
Hexachlorobutadiene	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
Hexachlorocyclopentadiene	µg/kg	-	-	1900 U	1900 U	1900 U	1900 U	1900 U	1900 U
Hexachloroethane	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
Indeno(1,2,3-cd)pyrene	µg/kg	500	11000	390 U	390 U	390 U	380 U	390 U	390 U
Isophorone	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
Naphthalene	µg/kg	12000	1000000	390 U	390 U	390 U	380 U	390 U	390 U
Nitrobenzene	µg/kg	-	140000	390 U	390 U	390 U	380 U	390 U	390 U
N-Nitrosodi-n-propylamine	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
N-Nitrosodiphenylamine	µg/kg	-	-	390 U	390 U	390 U	380 U	390 U	390 U
Pentachlorophenol	µg/kg	800	55000	1900 U	1900 U	1900 U	1900 U	1900 U	1900 U
Phenanthrene	µg/kg	100000	1000000	390 U	390 U	390 U	380 U	390 U	390 U
Phenol	µg/kg	330	1000000	390 U	390 U	390 U	380 U	390 U	390 U
Pyrene	µg/kg	100000	1000000	390 U	390 U	390 U	380 U	390 U	390 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*B16-SS1*	*B16-SS2*	*B16-SS3*	*B16-SS4*	*B16-SS5*	*B16-SS6*
Sample ID:				*S-18631-100201-MEJ-016*	*S-18631-100201-MEJ-015*	*S-18631-100201-MEJ-014*	*S-18631-100201-MEJ-013*	*S-18631-100201-MEJ-017*	*S-18631-100201-MEJ-018*
Sample Date:				*10/2/2001*	*10/2/2001*	*10/2/2001*	*10/2/2001*	*10/2/2001*	*10/2/2001*
Sample Depth:				*0-0.5 ft*	*0-0.5 ft*	*0-0.5 ft*	*0-0.5 ft*	*0-0.5 ft*	*0-0.5 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*						
PCBs									
Aroclor-1016 (PCB-1016)	µg/kg	-	-	39 U	39 U	39 U	38 U	39 U	39 U
Aroclor-1221 (PCB-1221)	µg/kg	-	-	39 U	39 U	39 U	38 U	39 U	39 U
Aroclor-1232 (PCB-1232)	µg/kg	-	-	39 U	39 U	39 U	38 U	39 U	39 U
Aroclor-1242 (PCB-1242)	µg/kg	-	-	39 U	39 U	39 U	38 U	39 U	39 U
Aroclor-1248 (PCB-1248)	µg/kg	-	-	39 U	39 U	39 U	38 U	39 U	39 U
Aroclor-1254 (PCB-1254)	µg/kg	-	-	39 U	39 U	39 U	38 U	39 U	39 U
Aroclor-1260 (PCB-1260)	µg/kg	-	-	39 U	39 U	39 U	38 U	39 U	39 U
Petroleum Hydrocarbons									
Total Petroleum Hydrocarbons (C21-C28)	mg/kg	-	-	15 J	30	9.2 J	17 U	6.3 J	20 U
General Chemistry									
Phenolics (total)	mg/kg	-	-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Total solids	%	-	-	84.3	83.7	84.8	85.8	84.9	85.6

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective Table 375-6.8(a).
b - NYSDEC Part 375 Restricted Use Soil Cleanup Objective Table 375-6.8(b).
- Value exceeds criterion.

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U6-SB1*	*U6-SB1*	*U6-SB2*	*U6-SB2*	*U8-SB1*
Sample ID:				*S-18631-100901-MEJ-019a*	*S-18631-100901-MEJ-019b*	*S-18631-100901-MEJ-020a*	*S-18631-100901-MEJ-020b*	*S-18631-092701-MEJ-011a*
Sample Date:				*10/9/2001*	*10/9/2001*	*10/9/2001*	*10/9/2001*	*9/27/2001*
Sample Depth:				*4-8 ft*	*16-20 ft*	*0-4 ft*	*16-20 ft*	*18-20 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
Volatiles								
1,1,1-Trichloroethane	µg/kg	680	1000000	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
1,1,2,2-Tetrachloroethane	µg/kg	-	-	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
1,1,2-Trichloroethane	µg/kg	-	-	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
1,1-Dichloroethane	µg/kg	270	480000	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
1,1-Dichloroethene	µg/kg	330	1000000	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
1,2-Dichloroethane	µg/kg	20	60000	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
1,2-Dichloropropane	µg/kg	-	-	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	120	1000000	22 U	21 U	21 U	25 U	21 U
2-Hexanone	µg/kg	-	-	22 U	21 U	21 U	25 U	21 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	-	-	22 U	21 U	21 U	25 U	21 U
Acetone	µg/kg	50	1000000	22 J	21 U	21 U	25 U	21 J
Benzene	µg/kg	60	89000	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Bromodichloromethane	µg/kg	-	-	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Bromoform	µg/kg	-	-	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Bromomethane (Methyl bromide)	µg/kg	-	-	R	R	R	R	R
Carbon disulfide	µg/kg	-	-	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Carbon tetrachloride	µg/kg	760	44000	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Chlorobenzene	µg/kg	1100	1000000	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Chloroethane	µg/kg	-	-	11 U	11 U	11 U	12 U	11 U
Chloroform (Trichloromethane)	µg/kg	370	700000	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Chloromethane (Methyl chloride)	µg/kg	-	-	11 U	11 U	11 U	12 U	11 U
cis-1,2-Dichloroethene	µg/kg	250	1000000	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
cis-1,3-Dichloropropene	µg/kg	-	-	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Dibromochloromethane	µg/kg	-	-	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Ethylbenzene	µg/kg	1000	780000	15	2.3 J	5.4 U	6.2 U	5.3 U
Methylene chloride	µg/kg	50	1000000	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Styrene	µg/kg	-	-	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Tetrachloroethene	µg/kg	1300	300000	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Toluene	µg/kg	700	1000000	2.6 J	2.7 J	1.7 J	1.7 J	2.2 J
trans-1,2-Dichloroethene	µg/kg	190	1000000	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
trans-1,3-Dichloropropene	µg/kg	-	-	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Trichloroethene	µg/kg	470	400000	5.6 U	5.3 U	5.4 U	6.2 U	5.3 U
Vinyl chloride	µg/kg	20	27000	11 U	11 U	11 U	12 U	11 U
Xylenes (total)	µg/kg	260	1000000	100	14 J	16 U	19 U	16 U
Semi-volatiles								
1,2,4-Trichlorobenzene	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
1,2-Dichlorobenzene	µg/kg	1100	1000000	370 U	690 U	350 U	410 U	350 U
1,3-Dichlorobenzene	µg/kg	2400	560000	370 U	690 U	350 U	410 U	350 U
1,4-Dichlorobenzene	µg/kg	1800	250000	370 U	690 U	350 U	410 U	350 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
2,4,5-Trichlorophenol	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
2,4,6-Trichlorophenol	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
2,4-Dichlorophenol	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
2,4-Dimethylphenol	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
2,4-Dinitrophenol	µg/kg	-	-	1800 U	3400 U	1700 U	2000 U	1700 U
2,4-Dinitrotoluene	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
2,6-Dinitrotoluene	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
2-Chloronaphthalene	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
2-Chlorophenol	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
2-Methylnaphthalene	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
2-Methylphenol	µg/kg	330	1000000	370 U	690 U	350 U	410 U	350 U
2-Nitroaniline	µg/kg	-	-	1800 U	3400 U	1700 U	2000 U	1700 U
2-Nitrophenol	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U6-SB1*	*U6-SB1*	*U6-SB2*	*U6-SB2*	*U8-SB1*
Sample ID:				*S-18631-100901-MEJ-019a*	*S-18631-100901-MEJ-019b*	*S-18631-100901-MEJ-020a*	*S-18631-100901-MEJ-020b*	*S-18631-092701-MEJ-011a*
Sample Date:				*10/9/2001*	*10/9/2001*	*10/9/2001*	*10/9/2001*	*9/27/2001*
Sample Depth:				*4-8 ft*	*16-20 ft*	*0-4 ft*	*16-20 ft*	*18-20 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
3,3'-Dichlorobenzidine	µg/kg	-	-	1800 U	3400 U	1700 U	2000 U	1700 U
3-Nitroaniline	µg/kg	-	-	1800 U	3400 U	1700 U	2000 U	1700 U
4,6-Dinitro-2-methylphenol	µg/kg	-	-	1800 U	3400 U	1700 U	2000 U	1700 U
4-Bromophenyl phenyl ether	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
4-Chloro-3-methylphenol	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
4-Chloroaniline	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
4-Chlorophenyl phenyl ether	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
4-Methylphenol	µg/kg	330	1000000	370 U	690 U	350 U	410 U	350 U
4-Nitroaniline	µg/kg	-	-	1800 U	3400 U	1700 U	2000 U	1700 U
4-Nitrophenol	µg/kg	-	-	1800 U	3400 U	1700 U	2000 U	1700 U
Acenaphthene	µg/kg	20000	1000000	370 U	690 U	350 U	410 U	350 U
Acenaphthylene	µg/kg	100000	1000000	370 U	690 U	350 U	410 U	350 U
Anthracene	µg/kg	100000	1000000	370 U	690 U	350 U	410 U	350 U
Benzo(a)anthracene	µg/kg	1000	11000	58 J	690 U	350 U	410 U	350 U
Benzo(a)pyrene	µg/kg	1000	1100	370 U	690 U	350 U	410 U	350 U
Benzo(b)fluoranthene	µg/kg	1000	11000	41 J	690 U	350 U	410 U	350 U
Benzo(g,h,i)perylene	µg/kg	100000	1000000	42 J	690 U	350 U	410 U	350 U
Benzo(k)fluoranthene	µg/kg	800	110000	45 J	690 U	350 U	410 U	350 U
bis(2-Chloroethoxy)methane	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
bis(2-Chloroethyl)ether	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	-	-	95 J	140 J	350 U	57 J	170 J
Butyl benzylphthalate (BBP)	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
Carbazole	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
Chrysene	µg/kg	1000	110000	66 J	690 U	350 U	410 U	350 U
Dibenz(a,h)anthracene	µg/kg	330	1100	370 U	690 U	350 U	410 U	350 U
Dibenzofuran	µg/kg	7000	1000000	370 U	690 U	350 U	410 U	350 U
Diethyl phthalate	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
Dimethyl phthalate	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
Di-n-butylphthalate (DBP)	µg/kg	-	-	150 J	690 U	350 U	410 U	350 U
Di-n-octyl phthalate (DnOP)	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
Fluoranthene	µg/kg	100000	1000000	160 J	690 U	350 U	410 U	350 U
Fluorene	µg/kg	30000	1000000	370 U	690 U	350 U	410 U	350 U
Hexachlorobenzene	µg/kg	330	12000	370 U	690 U	350 U	410 U	350 U
Hexachlorobutadiene	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
Hexachlorocyclopentadiene	µg/kg	-	-	1800 U	3400 U	1700 U	2000 U	1700 U
Hexachloroethane	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
Indeno(1,2,3-cd)pyrene	µg/kg	500	11000	41 J	690 U	350 U	410 U	350 U
Isophorone	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
Naphthalene	µg/kg	12000	1000000	370 U	690 U	350 U	410 U	350 U
Nitrobenzene	µg/kg	-	140000	370 U	690 U	350 U	410 U	350 U
N-Nitrosodi-n-propylamine	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
N-Nitrosodiphenylamine	µg/kg	-	-	370 U	690 U	350 U	410 U	350 U
Pentachlorophenol	µg/kg	800	55000	1800 U	3400 U	1700 U	2000 U	1700 U
Phenanthrene	µg/kg	100000	1000000	140 J	690 U	350 U	410 U	350 U
Phenol	µg/kg	330	1000000	370 U	690 U	350 U	410 U	350 U
Pyrene	µg/kg	100000	1000000	120 J	690 U	350 U	410 U	350 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U6-SB1*	*U6-SB1*	*U6-SB2*	*U6-SB2*	*U8-SB1*
Sample ID:				*S-18631-100901-MEJ-019a*	*S-18631-100901-MEJ-019b*	*S-18631-100901-MEJ-020a*	*S-18631-100901-MEJ-020b*	*S-18631-092701-MEJ-011a*
Sample Date:				*10/9/2001*	*10/9/2001*	*10/9/2001*	*10/9/2001*	*9/27/2001*
Sample Depth:				*4-8 ft*	*16-20 ft*	*0-4 ft*	*16-20 ft*	*18-20 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	-	-	37 U	35 U	35 U	41 U	35 U
Aroclor-1221 (PCB-1221)	µg/kg	-	-	37 U	35 U	35 U	41 U	35 U
Aroclor-1232 (PCB-1232)	µg/kg	-	-	37 U	35 U	35 U	41 U	35 U
Aroclor-1242 (PCB-1242)	µg/kg	-	-	37 U	35 U	35 U	41 U	35 U
Aroclor-1248 (PCB-1248)	µg/kg	-	-	37 U	35 U	35 U	41 U	35 U
Aroclor-1254 (PCB-1254)	µg/kg	-	-	37 U	35 U	35 U	41 U	35 U
Aroclor-1260 (PCB-1260)	µg/kg	-	-	37 U	35 U	35 U	41 U	35 U
Petroleum Hydrocarbons								
Total Petroleum Hydrocarbons (C21-C28)	mg/kg	-	-	20	25 J	5.7 J	21 U	5.4 J
General Chemistry								
Phenolics (total)	mg/kg	-	-	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
Total solids	%	-	-	89.5	95.2	93.3	80.8	94.0

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective Table 375-6.8(a).
b - NYSDEC Part 375 Restricted Use Soil Cleanup Objective Table 375-6.8(b).
 - Value exceeds criterion.

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U8-SB1*	*U8-SB2*	*U8-SB2*	*U8-SB3*	*U8-SB3*
Sample ID:				*S-18631-092701-MEJ-011b*	*S-18631-092701-MEJ-009a*	*S-18631-092701-MEJ-009b*	*S-18631-092701-MEJ-010a*	*S-18631-092701-MEJ-010b*
Sample Date:				*9/27/2001*	*9/27/2001*	*9/27/2001*	*9/27/2001*	*9/27/2001*
Sample Depth:				*58-60 ft*	*12-14 ft*	*18-20 ft*	*6-8 ft*	*18-20 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
Volatiles								
1,1,1-Trichloroethane	µg/kg	680	1000000	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
1,1,2,2-Tetrachloroethane	µg/kg	-	-	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
1,1,2-Trichloroethane	µg/kg	-	-	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
1,1-Dichloroethane	µg/kg	270	480000	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
1,1-Dichloroethene	µg/kg	330	1000000	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
1,2-Dichloroethane	µg/kg	20	60000	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
1,2-Dichloropropane	µg/kg	-	-	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	120	1000000	24 U	21 U	21 U	21 U	21 U
2-Hexanone	µg/kg	-	-	24 U	21 U	21 U	21 U	21 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	-	-	24 U	21 U	21 U	21 U	21 U
Acetone	µg/kg	50	1000000	24 J	21 J	21 J	21 J	21 J
Benzene	µg/kg	60	89000	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Bromodichloromethane	µg/kg	-	-	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Bromoform	µg/kg	-	-	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Bromomethane (Methyl bromide)	µg/kg	-	-	R	R	R	R	R
Carbon disulfide	µg/kg	-	-	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Carbon tetrachloride	µg/kg	760	44000	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Chlorobenzene	µg/kg	1100	1000000	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Chloroethane	µg/kg	-	-	12 U	10 U	11 U	11 U	10 U
Chloroform (Trichloromethane)	µg/kg	370	700000	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Chloromethane (Methyl chloride)	µg/kg	-	-	12 U	10 U	11 U	11 U	10 U
cis-1,2-Dichloroethene	µg/kg	250	1000000	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
cis-1,3-Dichloropropene	µg/kg	-	-	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Dibromochloromethane	µg/kg	-	-	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Ethylbenzene	µg/kg	1000	780000	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Methylene chloride	µg/kg	50	1000000	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Styrene	µg/kg	-	-	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Tetrachloroethene	µg/kg	1300	300000	1.7 J	5.2 U	5.3 U	5.3 U	5.2 U
Toluene	µg/kg	700	1000000	1.3 J	1.2 J	5.3 U	5.3 U	1.2 J
trans-1,2-Dichloroethene	µg/kg	190	1000000	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
trans-1,3-Dichloropropene	µg/kg	-	-	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Trichloroethene	µg/kg	470	400000	5.9 U	5.2 U	5.3 U	5.3 U	5.2 U
Vinyl chloride	µg/kg	20	27000	12 U	10 U	11 U	11 U	10 U
Xylenes (total)	µg/kg	260	1000000	18 U	16 U	16 U	16 U	16 U
Semi-volatiles								
1,2,4-Trichlorobenzene	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
1,2-Dichlorobenzene	µg/kg	1100	1000000	390 U	340 U	350 U	350 U	340 U
1,3-Dichlorobenzene	µg/kg	2400	560000	390 U	340 U	350 U	350 U	340 U
1,4-Dichlorobenzene	µg/kg	1800	250000	390 U	340 U	350 U	350 U	340 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
2,4,5-Trichlorophenol	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
2,4,6-Trichlorophenol	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
2,4-Dichlorophenol	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
2,4-Dimethylphenol	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
2,4-Dinitrophenol	µg/kg	-	-	1900 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
2,6-Dinitrotoluene	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
2-Chloronaphthalene	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
2-Chlorophenol	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
2-Methylnaphthalene	µg/kg	-	-	41 J	340 U	350 U	350 U	340 U
2-Methylphenol	µg/kg	330	1000000	390 U	340 U	350 U	350 U	340 U
2-Nitroaniline	µg/kg	-	-	1900 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U8-SB1*	*U8-SB2*	*U8-SB2*	*U8-SB3*	*U8-SB3*
Sample ID:				*S-18631-092701-MEJ-011b*	*S-18631-092701-MEJ-009a*	*S-18631-092701-MEJ-009b*	*S-18631-092701-MEJ-010a*	*S-18631-092701-MEJ-010b*
Sample Date:				*9/27/2001*	*9/27/2001*	*9/27/2001*	*9/27/2001*	*9/27/2001*
Sample Depth:				*58-60 ft*	*12-14 ft*	*18-20 ft*	*6-8 ft*	*18-20 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
3,3'-Dichlorobenzidine	µg/kg	-	-	1900 U	1700 U	1700 U	1700 U	1700 U
3-Nitroaniline	µg/kg	-	-	1900 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	µg/kg	-	-	1900 U	1700 U	1700 U	1700 U	1700 U
4-Bromophenyl phenyl ether	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
4-Chloro-3-methylphenol	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
4-Chloroaniline	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
4-Chlorophenyl phenyl ether	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
4-Methylphenol	µg/kg	330	1000000	390 U	340 U	350 U	350 U	340 U
4-Nitroaniline	µg/kg	-	-	1900 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	µg/kg	-	-	1900 U	1700 U	1700 U	1700 U	1700 U
Acenaphthene	µg/kg	20000	1000000	100 J	340 U	350 U	350 U	340 U
Acenaphthylene	µg/kg	100000	1000000	390 U	340 U	350 U	350 U	340 U
Anthracene	µg/kg	100000	1000000	210 J	340 U	350 U	350 U	340 U
Benzo(a)anthracene	µg/kg	1000	11000	320 J	340 U	350 U	350 U	340 U
Benzo(a)pyrene	µg/kg	1000	1100	270 J	340 U	350 U	350 U	340 U
Benzo(b)fluoranthene	µg/kg	1000	11000	200 J	340 U	350 U	350 U	340 U
Benzo(g,h,i)perylene	µg/kg	100000	1000000	180 J	340 U	350 U	350 U	340 U
Benzo(k)fluoranthene	µg/kg	800	110000	240 J	340 U	350 U	350 U	340 U
bis(2-Chloroethoxy)methane	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
bis(2-Chloroethyl)ether	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	-	-	1000	260 J	760	110 J	89 J
Butyl benzylphthalate (BBP)	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
Carbazole	µg/kg	-	-	120 J	340 U	350 U	350 U	340 U
Chrysene	µg/kg	1000	110000	310 J	340 U	350 U	350 U	340 U
Dibenz(a,h)anthracene	µg/kg	330	1100	50 J	340 U	350 U	350 U	340 U
Dibenzofuran	µg/kg	7000	1000000	64 J	340 U	350 U	350 U	340 U
Diethyl phthalate	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
Dimethyl phthalate	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
Di-n-butylphthalate (DBP)	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
Di-n-octyl phthalate (DnOP)	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
Fluoranthene	µg/kg	100000	1000000	760	340 U	350 U	350 U	340 U
Fluorene	µg/kg	30000	1000000	110 J	340 U	350 U	350 U	340 U
Hexachlorobenzene	µg/kg	330	12000	390 U	340 U	350 U	350 U	340 U
Hexachlorobutadiene	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
Hexachlorocyclopentadiene	µg/kg	-	-	1900 U	1700 U	1700 U	1700 U	1700 U
Hexachloroethane	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
Indeno(1,2,3-cd)pyrene	µg/kg	500	11000	200 J	340 U	350 U	350 U	340 U
Isophorone	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
Naphthalene	µg/kg	12000	1000000	89 J	340 U	350 U	350 U	340 U
Nitrobenzene	µg/kg	-	140000	390 U	340 U	350 U	350 U	340 U
N-Nitrosodi-n-propylamine	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
N-Nitrosodiphenylamine	µg/kg	-	-	390 U	340 U	350 U	350 U	340 U
Pentachlorophenol	µg/kg	800	55000	1900 U	1700 U	1700 U	1700 U	1700 U
Phenanthrene	µg/kg	100000	1000000	750	340 U	350 U	350 U	340 U
Phenol	µg/kg	330	1000000	390 U	340 U	350 U	350 U	340 U
Pyrene	µg/kg	100000	1000000	580	340 U	350 U	350 U	340 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U8-SB1*	*U8-SB2*	*U8-SB2*	*U8-SB3*	*U8-SB3*
Sample ID:				*S-18631-092701-MEJ-011b*	*S-18631-092701-MEJ-009a*	*S-18631-092701-MEJ-009b*	*S-18631-092701-MEJ-010a*	*S-18631-092701-MEJ-010b*
Sample Date:				*9/27/2001*	*9/27/2001*	*9/27/2001*	*9/27/2001*	*9/27/2001*
Sample Depth:				*58-60 ft*	*12-14 ft*	*18-20 ft*	*6-8 ft*	*18-20 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	-	-	39 U	34 U	35 U	35 U	34 U
Aroclor-1221 (PCB-1221)	µg/kg	-	-	39 U	34 U	35 U	35 U	34 U
Aroclor-1232 (PCB-1232)	µg/kg	-	-	39 U	34 U	35 U	35 U	34 U
Aroclor-1242 (PCB-1242)	µg/kg	-	-	39 U	34 U	35 U	35 U	34 U
Aroclor-1248 (PCB-1248)	µg/kg	-	-	39 U	34 U	35 U	35 U	34 U
Aroclor-1254 (PCB-1254)	µg/kg	-	-	39 U	34 U	35 U	35 U	34 U
Aroclor-1260 (PCB-1260)	µg/kg	-	-	39 U	34 U	35 U	35 U	34 U
Petroleum Hydrocarbons								
Total Petroleum Hydrocarbons (C21-C28)	mg/kg	-	-	290	18 U	48	18 U	17 U
General Chemistry								
Phenolics (total)	mg/kg	-	-	1.2 U	1.0 U	1.1 U	1.1 U	1.0 U
Total solids	%	-	-	85.0	95.7	94.6	93.5	95.8

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective Table 375-6.8(a).
b - NYSDEC Part 375 Restricted Use Soil Cleanup Objective Table 375-6.8(b).
- Value exceeds criterion.

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U8-SB4*	*U8-SB4*	*U18-SB1*	*U18-SB1*	*U18-SB1*
Sample ID:				*S-18631-092801-MEJ-012a*	*S-18631-100101-MEJ-012b*	*S-18631-092501-MEJ-004a*	*S-18631-092501-MEJ-005a*	*S-18631-092501-MEJ-004b*
Sample Date:				*9/28/2001*	*10/1/2001*	*9/25/2001*	*9/25/2001*	*9/25/2001*
Sample Depth:				*22-24 ft*	*50-52 ft*	*2-4 ft*	*2-4 ft*	*18-20 ft*
		a	*b*				*Duplicate*	
Parameters	*Units*	*Unrestricted Use*	*Restricted Use Industrial*					
Volatiles								
1,1,1-Trichloroethane	µg/kg	680	1000000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
1,1,2,2-Tetrachloroethane	µg/kg	-	-	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
1,1,2-Trichloroethane	µg/kg	-	-	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
1,1-Dichloroethane	µg/kg	270	480000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
1,1-Dichloroethene	µg/kg	330	1000000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
1,2-Dichloroethane	µg/kg	20	60000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
1,2-Dichloropropane	µg/kg	-	-	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	120	1000000	22 U	25 U	21 U	21 U	21 U
2-Hexanone	µg/kg	-	-	22 U	25 U	21 U	21 U	21 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	-	-	22 U	25 U	21 U	21 U	21 U
Acetone	µg/kg	50	1000000	22 J	13 J	21 U	21 U	21 U
Benzene	µg/kg	60	89000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Bromodichloromethane	µg/kg	-	-	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Bromoform	µg/kg	-	-	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Bromomethane (Methyl bromide)	µg/kg	-	-	R	R	11 U	R	10 U
Carbon disulfide	µg/kg	-	-	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Carbon tetrachloride	µg/kg	760	44000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Chlorobenzene	µg/kg	1100	1000000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Chloroethane	µg/kg	-	-	11 U	12 U	11 U	11 U	10 U
Chloroform (Trichloromethane)	µg/kg	370	700000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Chloromethane (Methyl chloride)	µg/kg	-	-	11 U	12 U	11 U	11 U	10 U
cis-1,2-Dichloroethene	µg/kg	250	1000000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
cis-1,3-Dichloropropene	µg/kg	-	-	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Dibromochloromethane	µg/kg	-	-	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Ethylbenzene	µg/kg	1000	780000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Methylene chloride	µg/kg	50	1000000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Styrene	µg/kg	-	-	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Tetrachloroethene	µg/kg	1300	300000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Toluene	µg/kg	700	1000000	5.4 U	6.2 U	1.7 J	5.3 U	2.6 J
trans-1,2-Dichloroethene	µg/kg	190	1000000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
trans-1,3-Dichloropropene	µg/kg	-	-	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Trichloroethene	µg/kg	470	400000	5.4 U	6.2 U	5.3 U	5.3 U	5.2 U
Vinyl chloride	µg/kg	20	27000	11 U	12 U	11 U	11 U	10 U
Xylenes (total)	µg/kg	260	1000000	16 U	19 U	16 U	16 U	16 U
Semi-volatiles								
1,2,4-Trichlorobenzene	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
1,2-Dichlorobenzene	µg/kg	1100	1000000	360 U	410 U	350 U	350 U	340 U
1,3-Dichlorobenzene	µg/kg	2400	560000	360 U	410 U	350 U	350 U	340 U
1,4-Dichlorobenzene	µg/kg	1800	250000	360 U	410 U	350 U	350 U	340 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
2,4,5-Trichlorophenol	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
2,4,6-Trichlorophenol	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
2,4-Dichlorophenol	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
2,4-Dimethylphenol	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
2,4-Dinitrophenol	µg/kg	-	-	1700 U	2000 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
2,6-Dinitrotoluene	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
2-Chloronaphthalene	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
2-Chlorophenol	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
2-Methylnaphthalene	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
2-Methylphenol	µg/kg	330	1000000	360 U	410 U	350 U	350 U	340 U
2-Nitroaniline	µg/kg	-	-	1700 U	2000 U	1700 U	1700 U	1700 U
2-Nitrophenol	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U8-SB4*	*U8-SB4*	*U18-SB1*	*U18-SB1*	*U18-SB1*
Sample ID:				*S-18631-092801-MEJ-012a*	*S-18631-100101-MEJ-012b*	*S-18631-092501-MEJ-004a*	*S-18631-092501-MEJ-005a*	*S-18631-092501-MEJ-004b*
Sample Date:				*9/28/2001*	*10/1/2001*	*9/25/2001*	*9/25/2001*	*9/25/2001*
Sample Depth:				*22-24 ft*	*50-52 ft*	*2-4 ft*	*2-4 ft*	*18-20 ft*
		a	*b*				*Duplicate*	
Parameters	*Units*	*Unrestricted Use*	*Restricted Use Industrial*					
3,3'-Dichlorobenzidine	µg/kg	-	-	1700 U	2000 U	1700 U	1700 U	1700 U
3-Nitroaniline	µg/kg	-	-	1700 U	2000 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	µg/kg	-	-	1700 U	2000 U	1700 U	1700 U	1700 U
4-Bromophenyl phenyl ether	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
4-Chloro-3-methylphenol	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
4-Chloroaniline	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
4-Chlorophenyl phenyl ether	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
4-Methylphenol	µg/kg	330	1000000	360 U	410 U	350 U	350 U	340 U
4-Nitroaniline	µg/kg	-	-	1700 U	2000 U	1700 U	1700 U	1700 U
4-Nitrophenol	µg/kg	-	-	1700 U	2000 U	1700 U	1700 U	1700 U
Acenaphthene	µg/kg	20000	1000000	360 U	410 U	350 U	350 U	340 U
Acenaphthylene	µg/kg	100000	1000000	360 U	410 U	350 U	350 U	340 U
Anthracene	µg/kg	100000	1000000	360 U	410 U	350 U	350 U	340 U
Benzo(a)anthracene	µg/kg	1000	11000	360 U	410 U	350 U	350 U	340 U
Benzo(a)pyrene	µg/kg	1000	1100	360 U	410 U	350 U	350 U	340 U
Benzo(b)fluoranthene	µg/kg	1000	11000	360 U	410 U	350 U	350 U	340 U
Benzo(g,h,i)perylene	µg/kg	100000	1000000	360 U	410 U	350 U	350 U	340 U
Benzo(k)fluoranthene	µg/kg	800	110000	360 U	410 U	350 U	350 U	340 U
bis(2-Chloroethoxy)methane	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
bis(2-Chloroethyl)ether	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	-	-	230 J	66 J	210 J	91 J	64 J
Butyl benzylphthalate (BBP)	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
Carbazole	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
Chrysene	µg/kg	1000	110000	360 U	410 U	350 U	350 U	340 U
Dibenz(a,h)anthracene	µg/kg	330	1100	360 U	410 U	350 U	350 U	340 U
Dibenzofuran	µg/kg	7000	1000000	360 U	410 U	350 U	350 U	340 U
Diethyl phthalate	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
Dimethyl phthalate	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
Di-n-butylphthalate (DBP)	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
Di-n-octyl phthalate (DnOP)	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
Fluoranthene	µg/kg	100000	1000000	360 U	410 U	350 U	350 U	340 U
Fluorene	µg/kg	30000	1000000	360 U	410 U	350 U	350 U	340 U
Hexachlorobenzene	µg/kg	330	12000	360 U	410 U	350 U	350 U	340 U
Hexachlorobutadiene	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
Hexachlorocyclopentadiene	µg/kg	-	-	1700 U	2000 U	1700 U	1700 U	1700 U
Hexachloroethane	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
Indeno(1,2,3-cd)pyrene	µg/kg	500	11000	360 U	410 U	350 U	350 U	340 U
Isophorone	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
Naphthalene	µg/kg	12000	1000000	360 U	410 U	350 U	350 U	340 U
Nitrobenzene	µg/kg	-	140000	360 U	410 U	350 U	350 U	340 U
N-Nitrosodi-n-propylamine	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
N-Nitrosodiphenylamine	µg/kg	-	-	360 U	410 U	350 U	350 U	340 U
Pentachlorophenol	µg/kg	800	55000	1700 U	2000 U	1700 U	1700 U	1700 U
Phenanthrene	µg/kg	100000	1000000	360 U	410 U	350 U	350 U	340 U
Phenol	µg/kg	330	1000000	360 U	410 U	350 U	350 U	340 U
Pyrene	µg/kg	100000	1000000	360 U	410 U	350 U	350 U	340 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U8-SB4*	*U8-SB4*	*U18-SB1*	*U18-SB1*	*U18-SB1*
Sample ID:				*S-18631-092801-MEJ-012a*	*S-18631-100101-MEJ-012b*	*S-18631-092501-MEJ-004a*	*S-18631-092501-MEJ-005a*	*S-18631-092501-MEJ-004b*
Sample Date:				*9/28/2001*	*10/1/2001*	*9/25/2001*	*9/25/2001*	*9/25/2001*
Sample Depth:				*22-24 ft*	*50-52 ft*	*2-4 ft*	*2-4 ft*	*18-20 ft*
		a	*b*				*Duplicate*	
Parameters	*Units*	*Unrestricted Use*	*Restricted Use Industrial*					
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	-	-	36 U	41 U	35 U	35 U	34 U
Aroclor-1221 (PCB-1221)	µg/kg	-	-	36 U	41 U	35 U	35 U	34 U
Aroclor-1232 (PCB-1232)	µg/kg	-	-	36 U	41 U	35 U	35 U	34 U
Aroclor-1242 (PCB-1242)	µg/kg	-	-	36 U	41 U	35 U	35 U	34 U
Aroclor-1248 (PCB-1248)	µg/kg	-	-	36 U	41 U	35 U	35 U	34 U
Aroclor-1254 (PCB-1254)	µg/kg	-	-	36 U	41 U	35 U	35 U	34 U
Aroclor-1260 (PCB-1260)	µg/kg	-	-	36 U	41 U	35 U	35 U	34 U
Petroleum Hydrocarbons								
Total Petroleum Hydrocarbons (C21-C28)	mg/kg	-	-	5.6 J	20 U	18 U	17 U	18 U
General Chemistry								
Phenolics (total)	mg/kg	-	-	1.1 U	1.2 U	1.1 U	1.1 U	1.0 U
Total solids	%	-	-	91.9	81.0	95.0	95.0	95.9

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective Table 375-6.8(a).
b - NYSDEC Part 375 Restricted Use Soil Cleanup Objective Table 375-6.8(b).
- Value exceeds criterion.

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U18-SB1*	*U18-SB2*	*U18-SB2*	*U18-SB3*	*U18-SB3*
Sample ID:				*S-18631-092501-MEJ-005b*	*S-18631-092401-MEJ-001a*	*S-18631-092401-MEJ-001b*	*S-18631-092401-MEJ-002a*	*S-18631-092401-MEJ-002b*
Sample Date:				*9/25/2001*	*9/24/2001*	*9/24/2001*	*9/24/2001*	*9/24/2001*
Sample Depth:				*18-20 ft*	*2-4 ft*	*18-20 ft*	*18-20 ft*	*40-42 ft*
		a	*b*	*Duplicate*				
Parameters	*Units*	*Unrestricted Use*	*Restricted Use Industrial*					
Volatiles								
1,1,1-Trichloroethane	µg/kg	680	1000000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
1,1,2,2-Tetrachloroethane	µg/kg	-	-	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
1,1,2-Trichloroethane	µg/kg	-	-	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
1,1-Dichloroethane	µg/kg	270	480000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
1,1-Dichloroethene	µg/kg	330	1000000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
1,2-Dichloroethane	µg/kg	20	60000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
1,2-Dichloropropane	µg/kg	-	-	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	120	1000000	21 U	21 U	21 U	3.2 J	21 U
2-Hexanone	µg/kg	-	-	21 U	21 U	21 U	21 U	21 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	-	-	21 U	21 U	21 U	21 U	21 U
Acetone	µg/kg	50	1000000	21 U	21 J	21 J	21 J	21 J
Benzene	µg/kg	60	89000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Bromodichloromethane	µg/kg	-	-	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Bromoform	µg/kg	-	-	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Bromomethane (Methyl bromide)	µg/kg	-	-	R	11 U	10 U	10 U	10 U
Carbon disulfide	µg/kg	-	-	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Carbon tetrachloride	µg/kg	760	44000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Chlorobenzene	µg/kg	1100	1000000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Chloroethane	µg/kg	-	-	10 U	11 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	µg/kg	370	700000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Chloromethane (Methyl chloride)	µg/kg	-	-	10 U	11 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	µg/kg	250	1000000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
cis-1,3-Dichloropropene	µg/kg	-	-	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Dibromochloromethane	µg/kg	-	-	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Ethylbenzene	µg/kg	1000	780000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Methylene chloride	µg/kg	50	1000000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Styrene	µg/kg	-	-	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Tetrachloroethene	µg/kg	1300	300000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Toluene	µg/kg	700	1000000	5.2 U	6.1 B	16 B	32 B	34 B
trans-1,2-Dichloroethene	µg/kg	190	1000000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
trans-1,3-Dichloropropene	µg/kg	-	-	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Trichloroethene	µg/kg	470	400000	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Vinyl chloride	µg/kg	20	27000	10 U	11 U	10 U	10 U	10 U
Xylenes (total)	µg/kg	260	1000000	16 U	16 U	16 U	16 U	16 U
Semi-volatiles								
1,2,4-Trichlorobenzene	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
1,2-Dichlorobenzene	µg/kg	1100	1000000	340 U	350 U	350 U	340 U	350 U
1,3-Dichlorobenzene	µg/kg	2400	560000	340 U	350 U	350 U	340 U	350 U
1,4-Dichlorobenzene	µg/kg	1800	250000	340 U	350 U	350 U	340 U	350 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
2,4,5-Trichlorophenol	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
2,4,6-Trichlorophenol	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
2,4-Dichlorophenol	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
2,4-Dimethylphenol	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
2,4-Dinitrophenol	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
2,6-Dinitrotoluene	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
2-Chloronaphthalene	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
2-Chlorophenol	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
2-Methylnaphthalene	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
2-Methylphenol	µg/kg	330	1000000	340 U	350 U	350 U	340 U	350 U
2-Nitroaniline	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U18-SB1*	*U18-SB2*	*U18-SB2*	*U18-SB3*	*U18-SB3*
Sample ID:				*S-18631-092501-MEJ-005b*	*S-18631-092401-MEJ-001a*	*S-18631-092401-MEJ-001b*	*S-18631-092401-MEJ-002a*	*S-18631-092401-MEJ-002b*
Sample Date:				*9/25/2001*	*9/24/2001*	*9/24/2001*	*9/24/2001*	*9/24/2001*
Sample Depth:				*18-20 ft*	*2-4 ft*	*18-20 ft*	*18-20 ft*	*40-42 ft*
		a	*b*	*Duplicate*				
Parameters	*Units*	*Unrestricted Use*	*Restricted Use Industrial*					
3,3'-Dichlorobenzidine	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
3-Nitroaniline	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
4-Bromophenyl phenyl ether	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
4-Chloro-3-methylphenol	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
4-Chloroaniline	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
4-Chlorophenyl phenyl ether	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
4-Methylphenol	µg/kg	330	1000000	340 U	350 U	350 U	340 U	350 U
4-Nitroaniline	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
Acenaphthene	µg/kg	20000	1000000	340 U	350 U	350 U	340 U	350 U
Acenaphthylene	µg/kg	100000	1000000	340 U	350 U	350 U	340 U	350 U
Anthracene	µg/kg	100000	1000000	340 U	350 U	350 U	340 U	350 U
Benzo(a)anthracene	µg/kg	1000	11000	340 U	350 U	350 U	340 U	350 U
Benzo(a)pyrene	µg/kg	1000	1100	340 U	350 U	350 U	340 U	350 U
Benzo(b)fluoranthene	µg/kg	1000	11000	340 U	350 U	350 U	340 U	350 U
Benzo(g,h,i)perylene	µg/kg	100000	1000000	340 U	350 U	350 U	340 U	350 U
Benzo(k)fluoranthene	µg/kg	800	110000	340 U	350 U	350 U	340 U	350 U
bis(2-Chloroethoxy)methane	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
bis(2-Chloroethyl)ether	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	-	-	78 J	55 J	250 J	880	75 J
Butyl benzylphthalate (BBP)	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
Carbazole	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
Chrysene	µg/kg	1000	110000	340 U	350 U	350 U	340 U	350 U
Dibenz(a,h)anthracene	µg/kg	330	1100	340 U	350 U	350 U	340 U	350 U
Dibenzofuran	µg/kg	7000	1000000	340 U	350 U	350 U	340 U	350 U
Diethyl phthalate	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
Dimethyl phthalate	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
Di-n-butylphthalate (DBP)	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
Di-n-octyl phthalate (DnOP)	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
Fluoranthene	µg/kg	100000	1000000	340 U	350 U	350 U	340 U	350 U
Fluorene	µg/kg	30000	1000000	340 U	350 U	350 U	340 U	350 U
Hexachlorobenzene	µg/kg	330	12000	340 U	350 U	350 U	340 U	350 U
Hexachlorobutadiene	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
Hexachlorocyclopentadiene	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
Hexachloroethane	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
Indeno(1,2,3-cd)pyrene	µg/kg	500	11000	340 U	350 U	350 U	340 U	350 U
Isophorone	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
Naphthalene	µg/kg	12000	1000000	340 U	350 U	350 U	340 U	350 U
Nitrobenzene	µg/kg	-	140000	340 U	350 U	350 U	340 U	350 U
N-Nitrosodi-n-propylamine	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
N-Nitrosodiphenylamine	µg/kg	-	-	340 U	350 U	350 U	340 U	350 U
Pentachlorophenol	µg/kg	800	55000	1700 U	1700 U	1700 U	1700 U	1700 U
Phenanthrene	µg/kg	100000	1000000	340 U	350 U	350 U	340 U	350 U
Phenol	µg/kg	330	1000000	340 U	350 U	350 U	340 U	350 U
Pyrene	µg/kg	100000	1000000	340 U	350 U	350 U	340 U	350 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U18-SB1*	*U18-SB2*	*U18-SB2*	*U18-SB3*	*U18-SB3*
Sample ID:				*S-18631-092501-MEJ-005b*	*S-18631-092401-MEJ-001a*	*S-18631-092401-MEJ-001b*	*S-18631-092401-MEJ-002a*	*S-18631-092401-MEJ-002b*
Sample Date:				*9/25/2001*	*9/24/2001*	*9/24/2001*	*9/24/2001*	*9/24/2001*
Sample Depth:				*18-20 ft*	*2-4 ft*	*18-20 ft*	*18-20 ft*	*40-42 ft*
		a	*b*	*Duplicate*				
Parameters	*Units*	*Unrestricted Use*	*Restricted Use Industrial*					
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	-	-	34 U	35 U	35 U	34 U	35 U
Aroclor-1221 (PCB-1221)	µg/kg	-	-	34 U	35 U	35 U	34 U	35 U
Aroclor-1232 (PCB-1232)	µg/kg	-	-	34 U	35 U	35 U	34 U	35 U
Aroclor-1242 (PCB-1242)	µg/kg	-	-	34 U	35 U	35 U	34 U	35 U
Aroclor-1248 (PCB-1248)	µg/kg	-	-	34 U	35 U	35 U	34 U	35 U
Aroclor-1254 (PCB-1254)	µg/kg	-	-	34 U	35 U	35 U	34 U	35 U
Aroclor-1260 (PCB-1260)	µg/kg	-	-	34 U	35 U	35 U	34 U	35 U
Petroleum Hydrocarbons								
Total Petroleum Hydrocarbons (C21-C28)	mg/kg	-	-	17 U	19 U	18 U	20 U	21 U
General Chemistry								
Phenolics (total)	mg/kg	-	-	1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Total solids	%	-	-	95.7	94.8	95.6	96.1	95.4

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective Table 375-6.8(a).
b - NYSDEC Part 375 Restricted Use Soil Cleanup Objective Table 375-6.8(b).
- Value exceeds criterion.

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U18-SB4*	*U18-SB4*	*U19-SB1*	*U19-SB1*	*U19-SB2*
Sample ID:				*S-18631-092501-MEJ-003a*	*S-18631-092501-MEJ-003b*	*S-18631-092601-MEJ-007a*	*S-18631-092601-MEJ-007b*	*S-18631-092601-MEJ-006a*
Sample Date:				*9/25/2001*	*9/25/2001*	*9/26/2001*	*9/26/2001*	*9/26/2001*
Sample Depth:				*4-6 ft*	*22-24 ft*	*2-4 ft*	*18-20 ft*	*20-22 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
Volatiles								
1,1,1-Trichloroethane	µg/kg	680	1000000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
1,1,2,2-Tetrachloroethane	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
1,1,2-Trichloroethane	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
1,1-Dichloroethane	µg/kg	270	480000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
1,1-Dichloroethene	µg/kg	330	1000000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
1,2-Dichloroethane	µg/kg	20	60000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
1,2-Dichloropropane	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	120	1000000	21 U	21 U	21 U	21 U	21 U
2-Hexanone	µg/kg	-	-	21 U	21 U	21 U	21 U	21 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	-	-	21 U	21 U	21 U	21 U	21 U
Acetone	µg/kg	50	1000000	21 U	21 U	21 U	21 U	21 U
Benzene	µg/kg	60	89000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Bromodichloromethane	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Bromoform	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Bromomethane (Methyl bromide)	µg/kg	-	-	11 U	11 U	10 U	11 U	10 U
Carbon disulfide	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Carbon tetrachloride	µg/kg	760	44000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Chlorobenzene	µg/kg	1100	1000000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Chloroethane	µg/kg	-	-	11 U	11 U	10 U	11 U	10 U
Chloroform (Trichloromethane)	µg/kg	370	700000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Chloromethane (Methyl chloride)	µg/kg	-	-	11 U	11 U	10 U	11 U	10 U
cis-1,2-Dichloroethene	µg/kg	250	1000000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
cis-1,3-Dichloropropene	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Dibromochloromethane	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Ethylbenzene	µg/kg	1000	780000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Methylene chloride	µg/kg	50	1000000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Styrene	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Tetrachloroethene	µg/kg	1300	300000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Toluene	µg/kg	700	1000000	3.4 J	3.9 J	5.2 U	1.2 J	5.2 U
trans-1,2-Dichloroethene	µg/kg	190	1000000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
trans-1,3-Dichloropropene	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Trichloroethene	µg/kg	470	400000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Vinyl chloride	µg/kg	20	27000	11 U	11 U	10 U	11 U	10 U
Xylenes (total)	µg/kg	260	1000000	16 U	16 U	16 U	16 U	16 U
Semi-volatiles								
1,2,4-Trichlorobenzene	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
1,2-Dichlorobenzene	µg/kg	1100	1000000	350 U	350 U	340 U	350 U	340 U
1,3-Dichlorobenzene	µg/kg	2400	560000	350 U	350 U	340 U	350 U	340 U
1,4-Dichlorobenzene	µg/kg	1800	250000	350 U	350 U	340 U	350 U	340 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
2,4,5-Trichlorophenol	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
2,4,6-Trichlorophenol	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
2,4-Dichlorophenol	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
2,4-Dimethylphenol	µg/kg	-	-	5600	240 J	340 U	350 U	340 U
2,4-Dinitrophenol	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
2,6-Dinitrotoluene	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
2-Chloronaphthalene	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
2-Chlorophenol	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
2-Methylnaphthalene	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
2-Methylphenol	µg/kg	330	1000000	350 U	350 U	340 U	350 U	340 U
2-Nitroaniline	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U18-SB4*	*U18-SB4*	*U19-SB1*	*U19-SB1*	*U19-SB2*
Sample ID:				*S-18631-092501-MEJ-003a*	*S-18631-092501-MEJ-003b*	*S-18631-092601-MEJ-007a*	*S-18631-092601-MEJ-007b*	*S-18631-092601-MEJ-006a*
Sample Date:				*9/25/2001*	*9/25/2001*	*9/26/2001*	*9/26/2001*	*9/26/2001*
Sample Depth:				*4-6 ft*	*22-24 ft*	*2-4 ft*	*18-20 ft*	*20-22 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
3,3'-Dichlorobenzidine	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
3-Nitroaniline	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
4-Bromophenyl phenyl ether	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
4-Chloro-3-methylphenol	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
4-Chloroaniline	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
4-Chlorophenyl phenyl ether	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
4-Methylphenol	µg/kg	330	1000000	350 U	350 U	340 U	350 U	340 U
4-Nitroaniline	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
Acenaphthene	µg/kg	20000	1000000	350 U	350 U	340 U	350 U	340 U
Acenaphthylene	µg/kg	100000	1000000	350 U	350 U	340 U	350 U	340 U
Anthracene	µg/kg	100000	1000000	350 U	350 U	340 U	350 U	340 U
Benzo(a)anthracene	µg/kg	1000	11000	350 U	350 U	340 U	350 U	340 U
Benzo(a)pyrene	µg/kg	1000	1100	350 U	350 U	340 U	350 U	340 U
Benzo(b)fluoranthene	µg/kg	1000	11000	350 U	350 U	340 U	350 U	340 U
Benzo(g,h,i)perylene	µg/kg	100000	1000000	350 U	350 U	340 U	350 U	340 U
Benzo(k)fluoranthene	µg/kg	800	110000	350 U	350 U	340 U	350 U	340 U
bis(2-Chloroethoxy)methane	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
bis(2-Chloroethyl)ether	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	-	-	160 J	180 J	340 U	39 J	340 U
Butyl benzylphthalate (BBP)	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
Carbazole	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
Chrysene	µg/kg	1000	110000	350 U	350 U	340 U	350 U	340 U
Dibenz(a,h)anthracene	µg/kg	330	1100	350 U	350 U	340 U	350 U	340 U
Dibenzofuran	µg/kg	7000	1000000	350 U	350 U	340 U	350 U	340 U
Diethyl phthalate	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
Dimethyl phthalate	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
Di-n-butylphthalate (DBP)	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
Di-n-octyl phthalate (DnOP)	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
Fluoranthene	µg/kg	100000	1000000	350 U	350 U	49 J	350 U	340 U
Fluorene	µg/kg	30000	1000000	350 U	350 U	340 U	350 U	340 U
Hexachlorobenzene	µg/kg	330	12000	350 U	350 U	340 U	350 U	340 U
Hexachlorobutadiene	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
Hexachlorocyclopentadiene	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
Hexachloroethane	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
Indeno(1,2,3-cd)pyrene	µg/kg	500	11000	350 U	350 U	340 U	350 U	340 U
Isophorone	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
Naphthalene	µg/kg	12000	1000000	350 U	350 U	340 U	350 U	340 U
Nitrobenzene	µg/kg	-	140000	350 U	350 U	340 U	350 U	340 U
N-Nitrosodi-n-propylamine	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
N-Nitrosodiphenylamine	µg/kg	-	-	350 U	350 U	340 U	350 U	340 U
Pentachlorophenol	µg/kg	800	55000	1700 U	1700 U	1700 U	1700 U	1700 U
Phenanthrene	µg/kg	100000	1000000	350 U	350 U	340 U	350 U	340 U
Phenol	µg/kg	330	1000000	350 U	350 U	340 U	350 U	340 U
Pyrene	µg/kg	100000	1000000	350 U	350 U	41 J	350 U	340 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U18-SB4*	*U18-SB4*	*U19-SB1*	*U19-SB1*	*U19-SB2*
Sample ID:				*S-18631-092501-MEJ-003a*	*S-18631-092501-MEJ-003b*	*S-18631-092601-MEJ-007a*	*S-18631-092601-MEJ-007b*	*S-18631-092601-MEJ-006a*
Sample Date:				*9/25/2001*	*9/25/2001*	*9/26/2001*	*9/26/2001*	*9/26/2001*
Sample Depth:				*4-6 ft*	*22-24 ft*	*2-4 ft*	*18-20 ft*	*20-22 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	-	-	35 U	35 U	34 U	35 U	34 U
Aroclor-1221 (PCB-1221)	µg/kg	-	-	35 U	35 U	34 U	35 U	34 U
Aroclor-1232 (PCB-1232)	µg/kg	-	-	35 U	35 U	34 U	35 U	34 U
Aroclor-1242 (PCB-1242)	µg/kg	-	-	35 U	35 U	34 U	35 U	34 U
Aroclor-1248 (PCB-1248)	µg/kg	-	-	35 U	35 U	34 U	35 U	34 U
Aroclor-1254 (PCB-1254)	µg/kg	-	-	35 U	35 U	34 U	35 U	34 U
Aroclor-1260 (PCB-1260)	µg/kg	-	-	35 U	35 U	34 U	35 U	34 U
Petroleum Hydrocarbons								
Total Petroleum Hydrocarbons (C21-C28)	mg/kg	-	-	57	4.4 J	17 U	17 U	17 U
General Chemistry								
Phenolics (total)	mg/kg	-	-	1.1 U	1.1 U	1.0 U	1.1 U	1.0 U
Total solids	%	-	-	95.0	95.1	96.0	93.9	96.2

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective Table 375-6.8(a).
b - NYSDEC Part 375 Restricted Use Soil Cleanup Objective Table 375-6.8(b).
- Value exceeds criterion.

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U19-SB2*	*U19-SB3*	*U19-SB3*	*U25-SB1*	*U25-SB1*
Sample ID:				*S-18631-092601-MEJ-006b*	*S-18631-092601-MEJ-008a*	*S-18631-092601-MEJ-008b*	*S-18631-100901-MEJ-021a*	*S-18631-100901-MEJ-021b*
Sample Date:				*9/26/2001*	*9/26/2001*	*9/26/2001*	*10/9/2001*	*10/9/2001*
Sample Depth:				*28-30 ft*	*0-2 ft*	*18-20 ft*	*0-4 ft*	*16-20 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
Volatiles								
1,1,1-Trichloroethane	µg/kg	680	1000000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
1,1,2,2-Tetrachloroethane	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
1,1,2-Trichloroethane	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
1,1-Dichloroethane	µg/kg	270	480000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
1,1-Dichloroethene	µg/kg	330	1000000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
1,2-Dichloroethane	µg/kg	20	60000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
1,2-Dichloropropane	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	120	1000000	21 U	21 U	21 U	21 U	21 U
2-Hexanone	µg/kg	-	-	21 U	21 U	21 U	21 U	21 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	-	-	21 U	21 U	21 U	21 U	21 U
Acetone	µg/kg	50	1000000	21 U	21 U	21 U	21 U	21 U
Benzene	µg/kg	60	89000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Bromodichloromethane	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Bromoform	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Bromomethane (Methyl bromide)	µg/kg	-	-	11 U	11 U	10 U	R	R
Carbon disulfide	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Carbon tetrachloride	µg/kg	760	44000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Chlorobenzene	µg/kg	1100	1000000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Chloroethane	µg/kg	-	-	11 U	11 U	10 U	11 U	10 U
Chloroform (Trichloromethane)	µg/kg	370	700000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Chloromethane (Methyl chloride)	µg/kg	-	-	11 U	11 U	10 U	11 U	10 U
cis-1,2-Dichloroethene	µg/kg	250	1000000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
cis-1,3-Dichloropropene	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Dibromochloromethane	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Ethylbenzene	µg/kg	1000	780000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Methylene chloride	µg/kg	50	1000000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Styrene	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Tetrachloroethene	µg/kg	1300	300000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Toluene	µg/kg	700	1000000	1.3 J	5.3 U	2.8 J	2.6 J	2.6 J
trans-1,2-Dichloroethene	µg/kg	190	1000000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
trans-1,3-Dichloropropene	µg/kg	-	-	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Trichloroethene	µg/kg	470	400000	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U
Vinyl chloride	µg/kg	20	27000	11 U	11 U	10 U	11 U	10 U
Xylenes (total)	µg/kg	260	1000000	16 U	16 U	16 U	16 U	16 U
Semi-volatiles								
1,2,4-Trichlorobenzene	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
1,2-Dichlorobenzene	µg/kg	1100	1000000	350 U	350 U	350 U	350 U	340 U
1,3-Dichlorobenzene	µg/kg	2400	560000	350 U	350 U	350 U	350 U	340 U
1,4-Dichlorobenzene	µg/kg	1800	250000	350 U	350 U	350 U	350 U	340 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
2,4,5-Trichlorophenol	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
2,4,6-Trichlorophenol	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
2,4-Dichlorophenol	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
2,4-Dimethylphenol	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
2,4-Dinitrophenol	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
2,6-Dinitrotoluene	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
2-Chloronaphthalene	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
2-Chlorophenol	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
2-Methylnaphthalene	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
2-Methylphenol	µg/kg	330	1000000	350 U	350 U	350 U	350 U	340 U
2-Nitroaniline	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U19-SB2*	*U19-SB3*	*U19-SB3*	*U25-SB1*	*U25-SB1*
Sample ID:				*S-18631-092601-MEJ-006b*	*S-18631-092601-MEJ-008a*	*S-18631-092601-MEJ-008b*	*S-18631-100901-MEJ-021a*	*S-18631-100901-MEJ-021b*
Sample Date:				*9/26/2001*	*9/26/2001*	*9/26/2001*	*10/9/2001*	*10/9/2001*
Sample Depth:				*28-30 ft*	*0-2 ft*	*18-20 ft*	*0-4 ft*	*16-20 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
3,3'-Dichlorobenzidine	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
3-Nitroaniline	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
4-Bromophenyl phenyl ether	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
4-Chloro-3-methylphenol	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
4-Chloroaniline	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
4-Chlorophenyl phenyl ether	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
4-Methylphenol	µg/kg	330	1000000	350 U	350 U	350 U	350 U	340 U
4-Nitroaniline	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
Acenaphthene	µg/kg	20000	1000000	350 U	350 U	350 U	350 U	340 U
Acenaphthylene	µg/kg	100000	1000000	350 U	350 U	350 U	350 U	340 U
Anthracene	µg/kg	100000	1000000	350 U	350 U	350 U	350 U	340 U
Benzo(a)anthracene	µg/kg	1000	11000	350 U	350 U	350 U	170 J	340 U
Benzo(a)pyrene	µg/kg	1000	1100	350 U	350 U	350 U	200 J	340 U
Benzo(b)fluoranthene	µg/kg	1000	11000	350 U	350 U	350 U	190 J	340 U
Benzo(g,h,i)perylene	µg/kg	100000	1000000	350 U	350 U	350 U	210 J	340 U
Benzo(k)fluoranthene	µg/kg	800	110000	350 U	350 U	350 U	220 J	340 U
bis(2-Chloroethoxy)methane	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
bis(2-Chloroethyl)ether	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	-	-	350 U	350 U	350 U	350 U	55 J
Butyl benzylphthalate (BBP)	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
Carbazole	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
Chrysene	µg/kg	1000	110000	350 U	350 U	350 U	230 J	340 U
Dibenz(a,h)anthracene	µg/kg	330	1100	350 U	350 U	350 U	44 J	340 U
Dibenzofuran	µg/kg	7000	1000000	350 U	350 U	350 U	350 U	340 U
Diethyl phthalate	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
Dimethyl phthalate	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
Di-n-butylphthalate (DBP)	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
Di-n-octyl phthalate (DnOP)	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
Fluoranthene	µg/kg	100000	1000000	350 U	350 U	350 U	470	340 U
Fluorene	µg/kg	30000	1000000	350 U	350 U	350 U	350 U	340 U
Hexachlorobenzene	µg/kg	330	12000	350 U	350 U	350 U	350 U	340 U
Hexachlorobutadiene	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
Hexachlorocyclopentadiene	µg/kg	-	-	1700 U	1700 U	1700 U	1700 U	1700 U
Hexachloroethane	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
Indeno(1,2,3-cd)pyrene	µg/kg	500	11000	350 U	350 U	350 U	210 J	340 U
Isophorone	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
Naphthalene	µg/kg	12000	1000000	350 U	350 U	350 U	350 U	340 U
Nitrobenzene	µg/kg	-	140000	350 U	350 U	350 U	350 U	340 U
N-Nitrosodi-n-propylamine	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
N-Nitrosodiphenylamine	µg/kg	-	-	350 U	350 U	350 U	350 U	340 U
Pentachlorophenol	µg/kg	800	55000	1700 U	1700 U	1700 U	1700 U	1700 U
Phenanthrene	µg/kg	100000	1000000	350 U	350 U	350 U	250 J	340 U
Phenol	µg/kg	330	1000000	350 U	350 U	350 U	350 U	340 U
Pyrene	µg/kg	100000	1000000	350 U	350 U	350 U	420	340 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U19-SB2*	*U19-SB3*	*U19-SB3*	*U25-SB1*	*U25-SB1*
Sample ID:				*S-18631-092601-MEJ-006b*	*S-18631-092601-MEJ-008a*	*S-18631-092601-MEJ-008b*	*S-18631-100901-MEJ-021a*	*S-18631-100901-MEJ-021b*
Sample Date:				*9/26/2001*	*9/26/2001*	*9/26/2001*	*10/9/2001*	*10/9/2001*
Sample Depth:				*28-30 ft*	*0-2 ft*	*18-20 ft*	*0-4 ft*	*16-20 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	-	-	35 U	35 U	35 U	35 U	34 U
Aroclor-1221 (PCB-1221)	µg/kg	-	-	35 U	35 U	35 U	35 U	34 U
Aroclor-1232 (PCB-1232)	µg/kg	-	-	35 U	35 U	35 U	35 U	34 U
Aroclor-1242 (PCB-1242)	µg/kg	-	-	35 U	35 U	35 U	35 U	34 U
Aroclor-1248 (PCB-1248)	µg/kg	-	-	35 U	35 U	35 U	35 U	34 U
Aroclor-1254 (PCB-1254)	µg/kg	-	-	35 U	35 U	35 U	35 U	34 U
Aroclor-1260 (PCB-1260)	µg/kg	-	-	35 U	35 U	35 U	35 U	34 U
Petroleum Hydrocarbons								
Total Petroleum Hydrocarbons (C21-C28)	mg/kg	-	-	18 U	17 U	17 U	6.7 J	21 U
General Chemistry								
Phenolics (total)	mg/kg	-	-	1.1 U	1.1 U	1.0 U	1.1 U	1.0 U
Total solids	%	-	-	94.4	94.4	95.5	94.7	95.8

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective Table 375-6.8(a).
b - NYSDEC Part 375 Restricted Use Soil Cleanup Objective Table 375-6.8(b).
- Value exceeds criterion.

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U25-SB2*	*U25-SB2*	*U25-SB3*	*U25-SB3*	*VRI-1*
Sample ID:				*S-18631-100901-MEJ-022a*	*S-18631-100901-MEJ-022b*	*S-18631-100901-MEJ-023a*	*S-18631-100901-MEJ-023b*	*S-18631-101201-MEJ-024*
Sample Date:				*10/9/2001*	*10/9/2001*	*10/9/2001*	*10/9/2001*	*10/12/2001*
Sample Depth:				*0-4 ft*	*16-20 ft*	*0-4 ft*	*16-20 ft*	*55-57 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
Volatiles								
1,1,1-Trichloroethane	µg/kg	680	1000000	5.3 U	5.1 U	5.4 U	5.2 U	26 U
1,1,2,2-Tetrachloroethane	µg/kg	-	-	5.3 U	5.1 U	5.4 U	5.2 U	26 U
1,1,2-Trichloroethane	µg/kg	-	-	5.3 U	5.1 U	5.4 U	5.2 U	26 U
1,1-Dichloroethane	µg/kg	270	480000	5.3 U	5.1 U	5.4 U	5.2 U	26 U
1,1-Dichloroethene	µg/kg	330	1000000	5.3 U	5.1 U	5.4 U	5.2 U	26 U
1,2-Dichloroethane	µg/kg	20	60000	5.3 U	5.1 U	5.4 U	5.2 U	26 U
1,2-Dichloropropane	µg/kg	-	-	5.3 U	5.1 U	5.4 U	5.2 U	26 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	120	1000000	21 U	20 U	22 U	21 U	100 U
2-Hexanone	µg/kg	-	-	21 U	20 U	22 U	21 U	100 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	-	-	21 U	20 U	22 U	21 U	100 U
Acetone	µg/kg	50	1000000	21 U	20 U	22 U	21 U	100 U
Benzene	µg/kg	60	89000	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Bromodichloromethane	µg/kg	-	-	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Bromoform	µg/kg	-	-	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Bromomethane (Methyl bromide)	µg/kg	-	-	R	R	R	R	R
Carbon disulfide	µg/kg	-	-	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Carbon tetrachloride	µg/kg	760	44000	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Chlorobenzene	µg/kg	1100	1000000	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Chloroethane	µg/kg	-	-	11 U	10 U	11 U	10 U	51 U
Chloroform (Trichloromethane)	µg/kg	370	700000	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Chloromethane (Methyl chloride)	µg/kg	-	-	11 U	10 U	11 U	10 U	51 U
cis-1,2-Dichloroethene	µg/kg	250	1000000	5.3 U	5.1 U	5.4 U	5.2 U	26 U
cis-1,3-Dichloropropene	µg/kg	-	-	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Dibromochloromethane	µg/kg	-	-	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Ethylbenzene	µg/kg	1000	780000	5.3 U	5.1 U	5.4 U	5.2 U	210
Methylene chloride	µg/kg	50	1000000	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Styrene	µg/kg	-	-	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Tetrachloroethene	µg/kg	1300	300000	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Toluene	µg/kg	700	1000000	2.8 J	3.1 J	3.0 J	2.6 J	18 J
trans-1,2-Dichloroethene	µg/kg	190	1000000	5.3 U	5.1 U	5.4 U	5.2 U	26 U
trans-1,3-Dichloropropene	µg/kg	-	-	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Trichloroethene	µg/kg	470	400000	5.3 U	5.1 U	5.4 U	5.2 U	26 U
Vinyl chloride	µg/kg	20	27000	11 U	10 U	11 U	10 U	51 U
Xylenes (total)	µg/kg	260	1000000	16 U	15 U	16 U	16 U	14000[a]
Semi-volatiles								
1,2,4-Trichlorobenzene	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
1,2-Dichlorobenzene	µg/kg	1100	1000000	350 U	340 U	360 U	340 U	340 U
1,3-Dichlorobenzene	µg/kg	2400	560000	350 U	340 U	360 U	340 U	340 U
1,4-Dichlorobenzene	µg/kg	1800	250000	350 U	340 U	360 U	340 U	340 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
2,4,5-Trichlorophenol	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
2,4,6-Trichlorophenol	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
2,4-Dichlorophenol	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
2,4-Dimethylphenol	µg/kg	-	-	350 U	340 U	360 U	340 U	1000
2,4-Dinitrophenol	µg/kg	-	-	1700 U	1600 U	1700 U	1700 U	1600 U
2,4-Dinitrotoluene	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
2,6-Dinitrotoluene	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
2-Chloronaphthalene	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
2-Chlorophenol	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
2-Methylnaphthalene	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
2-Methylphenol	µg/kg	330	1000000	350 U	340 U	360 U	340 U	340 U
2-Nitroaniline	µg/kg	-	-	1700 U	1600 U	1700 U	1700 U	1600 U
2-Nitrophenol	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U25-SB2*	*U25-SB2*	*U25-SB3*	*U25-SB3*	*VRI-1*
Sample ID:				*S-18631-100901-MEJ-022a*	*S-18631-100901-MEJ-022b*	*S-18631-100901-MEJ-023a*	*S-18631-100901-MEJ-023b*	*S-18631-101201-MEJ-024*
Sample Date:				*10/9/2001*	*10/9/2001*	*10/9/2001*	*10/9/2001*	*10/12/2001*
Sample Depth:				*0-4 ft*	*16-20 ft*	*0-4 ft*	*16-20 ft*	*55-57 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
3,3'-Dichlorobenzidine	µg/kg	-	-	1700 U	1600 U	1700 U	1700 U	1600 U
3-Nitroaniline	µg/kg	-	-	1700 U	1600 U	1700 U	1700 U	1600 U
4,6-Dinitro-2-methylphenol	µg/kg	-	-	1700 U	1600 U	1700 U	1700 U	1600 U
4-Bromophenyl phenyl ether	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
4-Chloro-3-methylphenol	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
4-Chloroaniline	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
4-Chlorophenyl phenyl ether	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
4-Methylphenol	µg/kg	330	1000000	350 U	340 U	360 U	340 U	340 U
4-Nitroaniline	µg/kg	-	-	1700 U	1600 U	1700 U	1700 U	1600 U
4-Nitrophenol	µg/kg	-	-	1700 U	1600 U	1700 U	1700 U	1600 U
Acenaphthene	µg/kg	20000	1000000	350 U	340 U	360 U	340 U	340 U
Acenaphthylene	µg/kg	100000	1000000	350 U	340 U	360 U	340 U	340 U
Anthracene	µg/kg	100000	1000000	350 U	340 U	360 U	340 U	340 U
Benzo(a)anthracene	µg/kg	1000	11000	39 J	340 U	360 U	340 U	340 U
Benzo(a)pyrene	µg/kg	1000	1100	56 J	340 U	360 U	340 U	340 U
Benzo(b)fluoranthene	µg/kg	1000	11000	55 J	340 U	360 U	340 U	340 U
Benzo(g,h,i)perylene	µg/kg	100000	1000000	62 J	340 U	360 U	340 U	340 U
Benzo(k)fluoranthene	µg/kg	800	110000	58 J	340 U	360 U	340 U	340 U
bis(2-Chloroethoxy)methane	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
bis(2-Chloroethyl)ether	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	-	-	350 U	40 J	360 U	340 U	340 U
Butyl benzylphthalate (BBP)	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
Carbazole	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
Chrysene	µg/kg	1000	110000	60 J	340 U	360 U	340 U	340 U
Dibenz(a,h)anthracene	µg/kg	330	1100	350 U	340 U	360 U	340 U	340 U
Dibenzofuran	µg/kg	7000	1000000	350 U	340 U	360 U	340 U	340 U
Diethyl phthalate	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
Dimethyl phthalate	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
Di-n-butylphthalate (DBP)	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
Di-n-octyl phthalate (DnOP)	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
Fluoranthene	µg/kg	100000	1000000	100 J	340 U	360 U	340 U	340 U
Fluorene	µg/kg	30000	1000000	350 U	340 U	360 U	340 U	340 U
Hexachlorobenzene	µg/kg	330	12000	350 U	340 U	360 U	340 U	340 U
Hexachlorobutadiene	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
Hexachlorocyclopentadiene	µg/kg	-	-	1700 U	1600 U	1700 U	1700 U	1600 U
Hexachloroethane	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
Indeno(1,2,3-cd)pyrene	µg/kg	500	11000	58 J	340 U	360 U	340 U	340 U
Isophorone	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
Naphthalene	µg/kg	12000	1000000	350 U	340 U	360 U	340 U	380
Nitrobenzene	µg/kg	-	140000	350 U	340 U	360 U	340 U	340 U
N-Nitrosodi-n-propylamine	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
N-Nitrosodiphenylamine	µg/kg	-	-	350 U	340 U	360 U	340 U	340 U
Pentachlorophenol	µg/kg	800	55000	1700 U	1600 U	1700 U	1700 U	1600 U
Phenanthrene	µg/kg	100000	1000000	43 J	340 U	360 U	340 U	340 U
Phenol	µg/kg	330	1000000	86 J	340 U	360 U	340 U	340 U
Pyrene	µg/kg	100000	1000000	93 J	340 U	360 U	340 U	340 U

TABLE 2.2

SOIL ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:				*U25-SB2*	*U25-SB2*	*U25-SB3*	*U25-SB3*	*VRI-1*
Sample ID:				*S-18631-100901-MEJ-022a*	*S-18631-100901-MEJ-022b*	*S-18631-100901-MEJ-023a*	*S-18631-100901-MEJ-023b*	*S-18631-101201-MEJ-024*
Sample Date:				*10/9/2001*	*10/9/2001*	*10/9/2001*	*10/9/2001*	*10/12/2001*
Sample Depth:				*0-4 ft*	*16-20 ft*	*0-4 ft*	*16-20 ft*	*55-57 ft*
Parameters	*Units*	*a Unrestricted Use*	*b Restricted Use Industrial*					
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	-	-	35 U	34 U	36 U	34 U	34 U
Aroclor-1221 (PCB-1221)	µg/kg	-	-	35 U	34 U	36 U	34 U	34 U
Aroclor-1232 (PCB-1232)	µg/kg	-	-	35 U	34 U	36 U	34 U	34 U
Aroclor-1242 (PCB-1242)	µg/kg	-	-	35 U	34 U	36 U	34 U	34 U
Aroclor-1248 (PCB-1248)	µg/kg	-	-	35 U	34 U	36 U	34 U	34 U
Aroclor-1254 (PCB-1254)	µg/kg	-	-	35 U	34 U	36 U	34 U	34 U
Aroclor-1260 (PCB-1260)	µg/kg	-	-	35 U	34 U	36 U	34 U	34 U
Petroleum Hydrocarbons								
Total Petroleum Hydrocarbons (C21-C28)	mg/kg	-	-	21 U	20 U	4.2 J	4.4 J	260
General Chemistry								
Phenolics (total)	mg/kg	-	-	1.1 U	1.0 U	2.0	1.0 U	1.0 U
Total solids	%	-	-	95.1	98.0	92.7	96.3	97.1

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective Table 375-6.8(a).
b - NYSDEC Part 375 Restricted Use Soil Cleanup Objective Table 375-6.8(b).
- Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-2*	*GT-2*	*GT-2*
Sample ID:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GW-18631-RW-007*	*GW-18631-RW-008*	*GW-18631-RW-11*	*GW-18631-093009-BP-006*	*GT-2*	*GT-2*	*GT-2*
Sample Date:			*4/20/1987*	*5/27/1987*	*8/4/1987*	*8/20/1987*	*10/23/1987*	*2/18/1988*	*9/8/1992*	*12/12/1994*	*10/17/2001*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*4/20/1987*	*5/27/1987*	*8/3/1987*
												Duplicate					
Parameters	*Units*	*NYSDEC GA Groundwater Standards*															
Volatiles																	
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
1,1,2,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
1,1,2-Trichloroethane	µg/L	1	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
1,1-Dichloroethane	µg/L	5	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
1,1-Dichloroethene	µg/L	5	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
1,1-Dichloropropene	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	1.0 U	-	-	-
1,2,4-Trimethylbenzene	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	-	-	-	-	-	-	-	2 U	-	-	-	1.0 U	-	-	-
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	-	-	-	-	-	-	-	2 U	-	-	-	1.0 U	-	-	-
1,2-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	2 U	-	-	-	1.0 U	-	-	-
1,2-Dichloroethane	µg/L	0.6	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
1,3,5-Trimethylbenzene	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	2 U	-	-	-	1.0 U	-	-	-
1,3-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	2 U	-	-	-	1.0 U	-	-	-
2,2-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5 U	5.0 U	-	-	-
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5 UJ	5.0 U	-	-	-
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5 U	5.0 U	-	-	-
Acetone	µg/L	50	-	-	-	-	-	-	-	-	10 UJ	10 UJ	10 UJ	5.0 U	-	-	-
Benzene	µg/L	1	**1200**	-	**530**	**31**	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
Bromobenzene	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	0.22 J	-	-	-
Bromoform	µg/L	50	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
Bromomethane (Methyl bromide)	µg/L	5	-	-	-	-	-	-	-	5 U	1.0 U	1.0 U	2 U	1.0 UJ	-	-	-
Carbon disulfide	µg/L	6060	-	-	-	-	-	-	-	-	1.0 U	1.0 U	1 U	1.0 U	-	-	-
Carbon tetrachloride	µg/L	5	-	-	-	-	-	-	-	2 U	1.0 UJ	1.0 U	1 U	1.0 U	-	-	-
Chlorobenzene	µg/L	5	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
Chlorobromomethane	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
Chloroethane	µg/L	5	-	-	-	-	-	-	-	5 U	2.0 UJ	2.0 U	2 U	1.0 U	-	-	-
Chloroform (Trichloromethane)	µg/L	7	-	-	-	-	-	-	-	5 U	1.0 U	1.0 U	1 U	0.35 J	-	-	-
Chloromethane (Methyl chloride)	µg/L	5	-	-	-	-	-	-	-	10 U	2.0 U	2.0 U	2 UJ	1.0 U	-	-	-
cis-1,2-Dichloroethene	µg/L	5	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
cis-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	-	-	-	1.0 U	1.0 U	1 U	1.0 U	-	-	-
Cyclohexane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	1.0 U	-	-	-
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	0.25 J	-	-	-
Dibromomethane	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	-	-	-	-	-	-	-	10 U	-	-	-	1.0 U	-	-	-
Ethylbenzene	µg/L	5	**160000**	-	-	**27**	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-2*	*GT-2*	*GT-2*
Sample ID:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GW-18631-RW-007*	*GW-18631-RW-008*	*GW-18631-RW-11*	*GW-18631-093009-BP-006*	*GT-2*	*GT-2*	*GT-2*
Sample Date:			*4/20/1987*	*5/27/1987*	*8/4/1987*	*8/20/1987*	*10/23/1987*	*2/18/1988*	*9/8/1992*	*12/12/1994*	*10/17/2001*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*4/20/1987*	*5/27/1987*	*8/3/1987*
												Duplicate					
Parameters	***Units***	***NYSDEC GA Groundwater Standards***															
Isopropyl benzene	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	1.0 U	-	-	-
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	1.0 U	-	-	-
Methyl cyclohexane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	1.0 U	-	-	-
Methyl tert butyl ether (MTBE)	µg/L	10	-	-	-	-	-	-	-	5 U	-	-	-	1.0 U	-	-	-
Methylene chloride	µg/L	5	-	-	**85**	**81**	-	-	-	10 U	2.0 U	2.0 U	2 U	0.36 J	-	-	-
Naphthalene	µg/L	10	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
N-Propylbenzene	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	0.28 J	-	-	-
Toluene	µg/L	5	**350**	-	1	-	-	-	-	2 U	1.0 U	1.0 U	0.29 J	1.0 U	3	-	-
trans-1,2-Dichloroethene	µg/L	5	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
trans-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	-	-	-	1.0 U	1.0 U	1 U	1.0 U	-	-	-
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	5	-	-	-	-	-	-	-	2 U	1.0 U	1.0 U	1 U	1.0 U	-	-	-
Trichlorofluoromethane (CFC-11)	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	1.0 U	-	-	-
Trifluorotrichloroethane (Freon 113)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	1.0 U	-	-	-
Vinyl acetate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	-	-	-	-	-	-	-	10 U	2.0 U	2.0 U	2 U	1.0 U	-	-	-
Xylenes (total)	µg/L	5	**1130**	-	**340**	**190**	-	-	-	2 U	3.0 U	3.0 U	3 U	3.0 U	4	-	-
Semi-volatiles																	
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	-	-	-	-
1,2-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	-	-	-	-
1,2-Diphenylhydrazine	µg/L	-	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	-	-	-	-
1-Chloronaphthalene	µg/L	-	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	5	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	2.0 U	-	-	-
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	-	-	-	20 U	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	10 U	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	10 U	-	-	-
2,4-Dichlorophenol	µg/L	5	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	2.0 U	-	-	-
2,4-Dimethylphenol	µg/L	50	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	10 U	-	-	-
2,4-Dinitrophenol	µg/L	10	-	-	-	-	-	-	-	-	50 U	50 U	50 UJ	50 U	-	-	-
2,4-Dinitrotoluene	µg/L	5	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	10 U	-	-	-
2,6-Dichlorophenol	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	10 U	-	-	-
2-Chloronaphthalene	µg/L	10	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
2-Chlorophenol	µg/L	-	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	10 U	-	-	-
2-Methylnaphthalene	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
2-Methylphenol	µg/L	-	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	10 U	-	-	-
2-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-	-	-
2-Nitroaniline	µg/L	5	-	-	-	-	-	-	-	20 U	50 U	50 U	50 U	50 U	-	-	-
2-Nitrophenol	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	10 U	-	-	-
2-Picoline	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-2*	*GT-2*	*GT-2*
Sample ID:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GW-18631-RW-007*	*GW-18631-RW-008*	*GW-18631-RW-11*	*GW-18631-093009-BP-006*	*GT-2*	*GT-2*	*GT-2*
Sample Date:			*4/20/1987*	*5/27/1987*	*8/4/1987*	*8/20/1987*	*10/23/1987*	*2/18/1988*	*9/8/1992*	*12/12/1994*	*10/17/2001*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*4/20/1987*	*5/27/1987*	*8/3/1987*
												Duplicate					
Parameters	*Units*	*NYSDEC GA Groundwater Standards*															
3,3'-Dichlorobenzidine	µg/L	5	-	-	-	-	-	-	-	5 U	50 U	50 U	R	10 U	-	-	-
3-Methylcholanthrene	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-	-	-
3-Nitroaniline	µg/L	5	-	-	-	-	-	-	-	20 U	50 U	50 U	50 U	50 U	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	-	-	-	-	50 U	50 U	50 U	50 UJ	50 U	-	-	-
4-Aminobiphenyl	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	10 U	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	10 U	-	-	-
4-Chloroaniline	µg/L	5	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	10 U	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	10 U	-	-	-
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	-	-	-
4-Nitroaniline	µg/L	5	-	-	-	-	-	-	-	20 U	50 U	50 U	50 U	50 U	-	-	-
4-Nitrophenol	µg/L	-	-	-	-	-	-	-	-	-	50 U	50 U	50 U	50 U	-	-	-
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
Acenaphthene	µg/L	20	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Acenaphthylene	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Acetophenone	µg/L	-	-	-	-	-	-	-	-	2 U	-	-	-	10 U	-	-	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
Anthracene	µg/L	50	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Atrazine	µg/L	7.5	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-	-
Benzidine	µg/L	5	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Benzo(a)pyrene	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Benzo(b)fluoranthene	µg/L	0.002	-	-	-	-	-	-	-	-	10 U	10 U	10 U	2.0 U	-	-	-
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Benzo(k)fluoranthene	µg/L	0.002	-	-	-	-	-	-	-	-	10 U	10 U	10 U	2.0 U	-	-	-
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-	-
bis(2-Chloroethoxy)methane	µg/L	5	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	10 U	-	-	-
bis(2-Chloroethyl)ether	µg/L	1	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	10 U	-	-	-
Butyl benzylphthalate (BBP)	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	10 U	-	-	-
Caprolactam	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	50 U	-	-	-
Carbazole	µg/L	-	-	-	-	-	-	-	-	-	10 U	10 U	10 U	2.0 U	-	-	-
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	30 U	-	-	-	-	-	-	-
Chrysene	µg/L	0.002	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	10 U	-	-	-
Diethyl phthalate	µg/L	50	-	-	-	-	-	-	-	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	-	-	-
Di-n-butylphthalate (DBP)	µg/L	50	-	-	-	-	-	-	3 U	10 U	10 U	10 U	10 U	10 U	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	10 U	-	-	-
Ethyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-	-	-
Fluoranthene	µg/L	50	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Fluorene	µg/L	50	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Hexachlorobenzene	µg/L	0.04	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	2.0 U	-	-	-
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	2.0 U	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-2*	*GT-2*	*GT-2*
Sample ID:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GW-18631-RW-007*	*GW-18631-RW-008*	*GW-18631-RW-11*	*GW-18631-093009-BP-006*	*GT-2*	*GT-2*	*GT-2*
Sample Date:			*4/20/1987*	*5/27/1987*	*8/4/1987*	*8/20/1987*	*10/23/1987*	*2/18/1988*	*9/8/1992*	*12/12/1994*	*10/17/2001*	*10/17/2001 Duplicate*	*4/3/2002*	*9/30/2009*	*4/20/1987*	*5/27/1987*	*8/3/1987*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***															
Hexachlorocyclopentadiene	µg/L	5	-	-	-	-	-	-	-	20 U	50 U	50 U	50 U	10 U	-	-	-
Hexachloroethane	µg/L	5	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	10 U	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Isophorone	µg/L	50	-	-	-	-	-	-	2 J	2 U	10 U	10 U	10 U	10 U	-	-	-
Methyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
Naphthalene	µg/L	10	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Nitrobenzene	µg/L	0.4	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	2.0 U	-	-	-
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	2.0 U	-	-	-
N-Nitrosodiphenylamine	µg/L	50	-	-	-	-	-	-	-	-	10 U	10 U	10 U	2.0 U	-	-	-
N-Nitrosopiperidine	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
Pentachlorophenol	µg/L	1	-	-	-	-	-	-	-	50 U	50 U	50 U	50 U	10 U	-	-	-
Phenacetin	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-	-	-
Phenanthrene	µg/L	50	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Phenol	µg/L	1	-	12	2	-	-	27	-	5 U	10 U	10 U	10 U	2.0 U	-	-	-
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-	-	-
Pyrene	µg/L	50	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	2.0 U	-	-	-
Pyridine	µg/L	50	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	20 U	-	-	-	-	-	-	-
Metals																	
Aluminum	µg/L	-	-	-	-	-	-	-	3480	-	81.1 U	66.9 U	200 U	-	-	-	-
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	3	-	-	-	-	-	-	-	-	4.1 U	4.1 U	60 U	-	-	-	-
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	-	-	-	-	-	-	2.5 J	-	2.0 U	2.0 U	10 U	-	-	-	-
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	1000	-	-	-	-	-	-	109 B	-	28.2	28.8	54	-	-	-	-
Barium (dissolved)	µg/L	1000	-	-	-	-	-	-	69.9 B	-	-	-	-	-	-	-	-
Beryllium	µg/L	3	-	-	-	-	-	-	-	-	0.077 U	0.077 U	5 U	-	-	-	-
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	-	-	-	-	-	-	-	-	0.63 U	0.63 U	5 U	-	-	-	-
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	µg/L	-	-	-	-	-	-	-	173000	-	72600 J	74400 J	104000	-	-	-	-
Calcium (dissolved)	µg/L	-	-	-	-	-	-	-	136000	-	-	-	-	-	-	-	-
Chromium	µg/L	50	-	-	-	-	-	-	8.8 B	-	1.7	2.1	10 U	-	-	-	-
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	5.2 B	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	-	-	-	-	-	-	2.6 U	2.6 U	50 U	-	-	-	-
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	-	-	-	-	-	-	14 B	-	3.4 U	2.5 U	25 U	-	-	-	-
Copper (dissolved)	µg/L	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	µg/L	300	-	-	-	-	-	-	8970 J	-	111	113	100 U	-	-	-	-
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	25	-	-	-	-	-	-	7.9	-	1.8 U	2.9	3 U	-	-	-	-
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	µg/L	35000	-	-	-	-	-	-	17800	-	7340	7480	8970	-	-	-	-
Magnesium (dissolved)	µg/L	35000	-	-	-	-	-	-	13500	-	-	-	-	-	-	-	-
Manganese	µg/L	300	-	-	-	-	-	-	405	-	3.9	3.9	15 U	-	-	-	-
Manganese (dissolved)	µg/L	300	-	-	-	-	-	-	3.7 B	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-2*	*GT-2*	*GT-2*
Sample ID:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GW-18631-RW-007*	*GW-18631-RW-008*	*GW-18631-RW-11*	*GW-18631-093009-BP-006*	*GT-2*	*GT-2*	*GT-2*
Sample Date:			*4/20/1987*	*5/27/1987*	*8/4/1987*	*8/20/1987*	*10/23/1987*	*2/18/1988*	*9/8/1992*	*12/12/1994*	*10/17/2001*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*4/20/1987*	*5/27/1987*	*8/3/1987*
												Duplicate					
Parameters	***Units***	***NYSDEC GA Groundwater Standards***															
Mercury	µg/L	0.7	-	-	-	-	-	-	-	-	0.088 U	0.054 U	0.2 U	-	-	-	-
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	-	-	-	-	-	-	-	-	7.9 U	7.9 U	40 U	-	-	-	-
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	µg/L	-	-	-	-	-	-	-	1460 B	-	795 U	519 U	767	-	-	-	-
Potassium (dissolved)	µg/L	-	-	-	-	-	-	-	801 B	-	-	-	-	-	-	-	-
Selenium	µg/L	10	-	-	-	-	-	-	-	-	3.2 U	3.2 U	5 U	-	-	-	-
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	-	-	-	-	-	-	-	-	0.75 U	0.75 U	10 U	-	-	-	-
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	-	-	-	-	-	-	**120000**	-	**100000**	**105000**	**201000**	-	-	-	-
Sodium (dissolved)	µg/L	20000	-	-	-	-	-	-	**125000**	-	-	-	-	-	-	-	-
Thallium	µg/L	0.5	-	-	-	-	-	-	-	-	5.7 U	5.7 U	10 U	-	-	-	-
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	-	-	-	-	-	-	7.3 B	-	4.1 U	4.1 U	50 U	-	-	-	-
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	-	-	-	-	-	-	46.8 J	-	3.2 U	4.1 U	20 U	-	-	-	-
Zinc (dissolved)	µg/L	2000	-	-	-	-	-	-	18.8 J	-	-	-	-	-	-	-	-
PCBs																	
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	1.0 U	1.0 U	-	-	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	1.0 U	1.0 U	-	-	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	1.0 U	1.0 U	-	-	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	2.5	3.7	-	-	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	1.0 U	1.0 U	-	-	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	1.0 U	1.0 U	-	-	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	1.0 U	1.0 U	-	-	-	-	-
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides																	
4,4'-DDD	µg/L	0.3	-	-	-	-	-	-	-	20 U	0.050 U	0.050 U	-	-	-	-	-
4,4'-DDE	µg/L	0.2	-	-	-	-	-	-	-	20 U	0.0055 J	0.0097 J	-	-	-	-	-
4,4'-DDT	µg/L	0.2	-	-	-	-	-	-	-	20 U	0.050 U	0.050 U	-	-	-	-	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	-	0.050 U	0.050 U	-	-	-	-	-
alpha-BHC	µg/L	0.01	-	-	-	-	-	-	-	10 U	0.050 U	0.050 U	-	-	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	-	-	-	-	-	-	-	-	0.050 U	0.050 U	-	-	-	-	-
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-	0.50 U	0.50 U	-	-	-	-	-
delta-BHC	µg/L	0.04	-	-	-	-	-	-	-	10 U	0.050 U	0.050 U	-	-	-	-	-
Dieldrin	µg/L	0.004	-	-	-	-	-	-	-	10 U	0.050 U	0.050 U	-	-	-	-	-
Endosulfan I	µg/L	-	-	-	-	-	-	-	-	20 U	0.050 U	0.050 U	-	-	-	-	-
Endosulfan II	µg/L	-	-	-	-	-	-	-	-	20 U	0.050 U	0.050 U	-	-	-	-	-
Endosulfan sulfate	µg/L	-	-	-	-	-	-	-	-	20 U	0.050 U	0.050 U	-	-	-	-	-
Endrin	µg/L	-	-	-	-	-	-	-	-	20 U	0.050 U	0.050 U	-	-	-	-	-
Endrin aldehyde	µg/L	5	-	-	-	-	-	-	-	20 U	0.050 U	0.050 U	-	-	-	-	-
Endrin ketone	µg/L	5	-	-	-	-	-	-	-	-	0.050 U	0.050 U	-	-	-	-	-
gamma-BHC (lindane)	µg/L	0.05	-	-	-	-	-	-	-	-	0.050 U	0.050 U	-	-	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	-	-	-	-	-	-	-	10 U	0.050 U	0.050 U	-	-	-	-	-
Heptachlor epoxide	µg/L	0.03	-	-	-	-	-	-	-	20 U	0.050 U	0.050 U	-	-	-	-	-
Methoxychlor	µg/L	35	-	-	-	-	-	-	-	5 U	0.10 U	0.10 U	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-2*	*GT-2*	*GT-2*
Sample ID:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GW-18631-RW-007*	*GW-18631-RW-008*	*GW-18631-RW-11*	*GW-18631-093009-BP-006*	*GT-2*	*GT-2*	*GT-2*
Sample Date:			*4/20/1987*	*5/27/1987*	*8/4/1987*	*8/20/1987*	*10/23/1987*	*2/18/1988*	*9/8/1992*	*12/12/1994*	*10/17/2001*	*10/17/2001* *Duplicate*	*4/3/2002*	*9/30/2009*	*4/20/1987*	*5/27/1987*	*8/3/1987*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***															
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-	2.0 U	2.0 U	-	-	-	-	-
Petroleum Products																	
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	100 UJ	-	-	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	-	-	-	-	-	-	-	-	470 U	470 U	480 U	-	-	-	-
General Chemistry																	
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	-	-	-	-	-	-	-	-	10.0 U	10.0 U	-	-	-	-	-
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	-	-	-	-	-	-	-	-	10 U	10 U	-	-	-	-	-
Sulfide	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
- Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2R*	*GT-2R*	*GT-2R*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*
Sample ID:			*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2-NY*	*GW-18631-RW-006*	*GW-18631-RW-12*	*GW-18631-100209-BP-008*	*GT-3*	*GT-3*	*GT-3*	*GT-3-NY*	*GT-3*	*GW-18631-RW-011*	*GW-18631-RW-21*
Sample Date:			*8/20/1987*	*10/23/1987*	*2/18/1988*	*9/9/1988*	*9/9/1988*	*10/16/2001*	*4/3/2002*	*10/2/2009*	*8/4/1987*	*8/20/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*10/17/2001*	*4/4/2002*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*															
Volatiles																	
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 UJ
1,1,2-Trichloroethane	µg/L	1	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
1,1-Dichloroethane	µg/L	5	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
1,1-Dichloroethene	µg/L	5	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
1,1-Dichloropropene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
1,2-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
1,2-Dichloroethane	µg/L	0.6	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
1,3,5-Trimethylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
1,3-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
2,2-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	-	-	-	-	-	5.0 U	5 U	5.0 U	-	-	-	-	-	5.0 UJ	5 U
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	-	-	-	-	-	5.0 U	5 UJ	5.0 U	-	-	-	-	-	5.0 UJ	5 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	-	-	-	-	-	5.0 U	5 U	5.0 U	-	-	-	-	-	5.0 U	5 U
Acetone	µg/L	50	-	-	-	-	-	10 UJ	10 UJ	2.8 J	-	-	-	-	-	10 UJ	10 UJ
Benzene	µg/L	1	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
Bromobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50	-	-	-	-	-	1.0 U	1 U	0.24 J	-	-	-	-	-	1.0 U	1 U
Bromoform	µg/L	50	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
Bromomethane (Methyl bromide)	µg/L	5	-	-	-	-	-	1.0 U	2 U	1.0 UJ	-	-	-	-	-	1.0 U	2 U
Carbon disulfide	µg/L	6060	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
Carbon tetrachloride	µg/L	5	-	-	-	-	-	1.0 UJ	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
Chlorobenzene	µg/L	5	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
Chlorobromomethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	µg/L	5	-	-	-	-	-	2.0 UJ	2 U	1.0 U	-	-	-	-	-	2.0 UJ	2 U
Chloroform (Trichloromethane)	µg/L	7	-	-	-	-	-	1.0 U	1 U	0.22 J	-	-	-	-	-	1.0 U	1 U
Chloromethane (Methyl chloride)	µg/L	5	-	-	-	-	-	2.0 U	2 UJ	1.0 U	-	-	-	-	-	2.0 U	2 U
cis-1,2-Dichloroethene	µg/L	5	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
cis-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
Cyclohexane	µg/L	-	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
Dibromomethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
Ethylbenzene	µg/L	5	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2R*	*GT-2R*	*GT-2R*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*
Sample ID:			*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2-NY*	*GW-18631-RW-006*	*GW-18631-RW-12*	*GW-18631-100209-BP-008*	*GT-3*	*GT-3*	*GT-3*	*GT-3-NY*	*GT-3*	*GW-18631-RW-011*	*GW-18631-RW-21*
Sample Date:			*8/20/1987*	*10/23/1987*	*2/18/1988*	*9/9/1988*	*9/9/1988*	*10/16/2001*	*4/3/2002*	*10/2/2009*	*8/4/1987*	*8/20/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*10/17/2001*	*4/4/2002*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***															
Isopropyl benzene	µg/L	5	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
Methyl cyclohexane	µg/L	-	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	µg/L	10	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
Methylene chloride	µg/L	5	-	-	-	-	-	2.0 U	2 U	0.25 J	-	-	-	-	-	2.0 U	2 U
Naphthalene	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Propylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 UJ
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	-	-	-	-	-	1.0 U	1 U	0.33 J	-	-	-	-	-	1.0 U	1 U
Toluene	µg/L	5	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1
trans-1,2-Dichloroethene	µg/L	5	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
trans-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	5	-	-	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	-	1.0 U	1 U
Trichlorofluoromethane (CFC-11)	µg/L	5	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	µg/L	5	-	-	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-
Vinyl acetate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	-	-	-	-	-	2.0 U	2 U	1.0 U	-	-	-	-	-	2.0 U	2 U
Xylenes (total)	µg/L	5	-	-	-	-	-	3.0 U	3 U	3.0 U	-	-	-	-	-	3.0 U	3 U
Semi-volatiles																	
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	-	-	-	10 U	10 U	-	-	-	-	-	-	10 U	-
1,2-Dichlorobenzene	µg/L	3	-	-	-	-	-	10 U	10 U	-	-	-	-	-	-	10 U	-
1,2-Diphenylhydrazine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	-	-	-	-	-	10 U	10 U	-	-	-	-	-	-	10 U	-
1,4-Dichlorobenzene	µg/L	3	-	-	-	-	-	10 U	10 U	-	-	-	-	-	-	10 U	-
1-Chloronaphthalene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	5	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
2,4-Dichlorophenol	µg/L	5	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
2,4-Dimethylphenol	µg/L	50	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
2,4-Dinitrophenol	µg/L	10	-	-	-	-	-	50 U	50 UJ	49 U	-	-	-	-	-	50 U	-
2,4-Dinitrotoluene	µg/L	5	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
2,6-Dichlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
2-Chloronaphthalene	µg/L	10	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
2-Chlorophenol	µg/L	-	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
2-Methylnaphthalene	µg/L	-	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
2-Methylphenol	µg/L	-	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
2-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	µg/L	5	-	-	-	-	-	50 U	50 U	49 U	-	-	-	-	-	50 U	-
2-Nitrophenol	µg/L	-	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
2-Picoline	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2R*	*GT-2R*	*GT-2R*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*
Sample ID:			*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2-NY*	*GW-18631-RW-006*	*GW-18631-RW-12*	*GW-18631-100209-BP-008*	*GT-3*	*GT-3*	*GT-3*	*GT-3-NY*	*GT-3*	*GW-18631-RW-011*	*GW-18631-RW-21*
Sample Date:			*8/20/1987*	*10/23/1987*	*2/18/1988*	*9/9/1988*	*9/9/1988*	*10/16/2001*	*4/3/2002*	*10/2/2009*	*8/4/1987*	*8/20/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*10/17/2001*	*4/4/2002*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*															
3,3'-Dichlorobenzidine	µg/L	5	-	-	-	-	-	50 U	R	9.8 U	-	-	-	-	-	50 U	-
3-Methylcholanthrene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	µg/L	5	-	-	-	-	-	50 U	50 U	49 U	-	-	-	-	-	50 U	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	-	-	50 U	50 UJ	49 U	-	-	-	-	-	50 U	-
4-Aminobiphenyl	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
4-Chloroaniline	µg/L	5	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
4-Nitroaniline	µg/L	5	-	-	-	-	-	50 U	50 U	49 U	-	-	-	-	-	50 U	-
4-Nitrophenol	µg/L	-	-	-	-	-	-	50 U	50 U	49 U	-	-	-	-	-	50 U	-
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	µg/L	20	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Acenaphthylene	µg/L	-	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Acetophenone	µg/L	-	-	-	-	-	-	-	-	9.8 U	-	-	-	-	-	-	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	50	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Atrazine	µg/L	7.5	-	-	-	-	-	-	-	9.8 U	-	-	-	-	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-	-	-	-	9.8 U	-	-	-	-	-	-	-
Benzidine	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Benzo(a)pyrene	µg/L	-	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Benzo(b)fluoranthene	µg/L	0.002	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Benzo(k)fluoranthene	µg/L	0.002	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	-	-	-	-	-	-	-	9.8 U	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	5	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
bis(2-Chloroethyl)ether	µg/L	1	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
Butyl benzylphthalate (BBP)	µg/L	50	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
Caprolactam	µg/L	-	-	-	-	-	-	-	-	49 U	-	-	-	-	-	-	-
Carbazole	µg/L	-	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	0.002	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
Diethyl phthalate	µg/L	50	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
Dimethyl phthalate	µg/L	50	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
Di-n-butylphthalate (DBP)	µg/L	50	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
Di-n-octyl phthalate (DnOP)	µg/L	50	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
Ethyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	50	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Fluorene	µg/L	50	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Hexachlorobenzene	µg/L	0.04	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2R*	*GT-2R*	*GT-2R*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*
Sample ID:			*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2-NY*	*GW-18631-RW-006*	*GW-18631-RW-12*	*GW-18631-100209-BP-008*	*GT-3*	*GT-3*	*GT-3*	*GT-3-NY*	*GT-3*	*GW-18631-RW-011*	*GW-18631-RW-21*
Sample Date:			*8/20/1987*	*10/23/1987*	*2/18/1988*	*9/9/1988*	*9/9/1988*	*10/16/2001*	*4/3/2002*	*10/2/2009*	*8/4/1987*	*8/20/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*10/17/2001*	*4/4/2002*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***															
Hexachlorocyclopentadiene	µg/L	5	-	-	-	-	-	50 U	50 U	9.8 U	-	-	-	-	-	50 U	-
Hexachloroethane	µg/L	5	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Isophorone	µg/L	50	-	-	-	-	-	10 U	10 U	9.8 U	-	-	-	-	-	10 U	-
Methyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	10	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Nitrobenzene	µg/L	0.4	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
N-Nitrosodiphenylamine	µg/L	50	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
N-Nitrosopiperidine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	µg/L	1	-	-	-	-	-	50 U	50 U	9.8 U	-	-	-	-	-	50 U	-
Phenacetin	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	50	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Phenol	µg/L	1	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	50	-	-	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	10 U	-
Pyridine	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																	
Aluminum	µg/L	-	-	-	-	-	-	7150	82.2	-	-	-	-	-	37700	2350	-
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	45.5 B	-	-
Antimony	µg/L	3	-	-	-	-	-	4.1 U	60 U	-	-	-	-	-	**26.1 B**	4.1 U	-
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	-	-	-	-	-	3.4	10 U	-	-	-	-	**30**	9.7 J	2.0 U	-
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-	-	**33.4 B**	-	-
Barium	µg/L	1000	-	-	-	-	-	114	132	-	-	-	-	-	288	44.8	-
Barium (dissolved)	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	3	-	-	-	-	-	0.39 U	5 U	-	-	-	-	**7**	2.3 B	0.080 U	-
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	-	-	-	-	-	0.63 U	5 U	-	-	-	-	-	-	0.94	-
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	**90800**	-	-
Calcium	µg/L	-	-	-	-	-	-	132000 J	186000	-	-	-	-	-	326000	113000 J	-
Calcium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	50	-	-	-	-	-	12.7	1.6	-	-	-	-	**145**	**51.4**	5.5	-
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	-	-	-	6.6	50 U	-	-	-	-	-	47.1 B	2.6 U	-
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	-	-	-	-	-	19.4	1.5	-	-	-	-	-	98	10.2	-
Copper (dissolved)	µg/L	200	-	-	-	-	-	-	-	-	-	-	-	-	97.1 J	-	-
Iron	µg/L	300	-	-	-	-	-	**12500**	99.1	-	-	-	-	-	**94100 J**	**3380**	-
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-	-	-	1 B	-	-
Lead	µg/L	25	-	-	-	-	**42**	6.8	3 U	-	-	-	-	**134**	**57.3**	1.8 U	-
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-	-	**9890**	-	-
Magnesium	µg/L	35000	-	-	-	-	-	16800	19900	-	-	-	-	-	**49100**	11700	-
Magnesium (dissolved)	µg/L	35000	-	-	-	-	-	-	-	-	-	-	-	-	4.7 B	-	-
Manganese	µg/L	300	-	-	-	-	-	**481**	26.4	-	-	-	-	-	**3260**	89.2	-
Manganese (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2R*	*GT-2R*	*GT-2R*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*
Sample ID:			*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2-NY*	*GW-18631-RW-006*	*GW-18631-RW-12*	*GW-18631-100209-BP-008*	*GT-3*	*GT-3*	*GT-3*	*GT-3-NY*	*GT-3*	*GW-18631-RW-011*	*GW-18631-RW-21*
Sample Date:			*8/20/1987*	*10/23/1987*	*2/18/1988*	*9/9/1988*	*9/9/1988*	*10/16/2001*	*4/3/2002*	*10/2/2009*	*8/4/1987*	*8/20/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*10/17/2001*	*4/4/2002*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***															
Mercury	µg/L	0.7	-	-	-	-	-	0.054 U	0.2 U	-	-	-	-	-	-	0.068 U	-
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	-	-	-	-	-	14.4	3.8	-	-	-	-	-	83.1	9.7	-
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-	-	-	-	1060 B	-	-
Potassium	µg/L	-	-	-	-	-	-	6930	2230	-	-	-	-	-	7170	1760 U	-
Potassium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	10	-	-	-	-	-	3.2 U	5 U	-	-	-	-	-	-	3.2 U	-
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	-	-	-	-	-	0.75 U	10 U	-	-	-	-	-	-	0.75 U	-
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	93700	-	-
Sodium	µg/L	20000	-	-	-	-	-	308000	587000	-	-	-	-	-	95900	58300	-
Sodium (dissolved)	µg/L	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	0.5	-	-	-	-	-	5.7 U	10 U	-	-	-	-	-	-	5.7 U	-
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	-	-	-	-	-	16.8	50 U	-	-	-	-	-	98.7	7.1	-
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	9.6 J	-	-
Zinc	µg/L	2000	-	-	-	-	-	41.1	5.6	-	-	-	-	-	256 J	49.3	-
Zinc (dissolved)	µg/L	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs																	
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-	1.0 U	-
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-	1.0 U	-
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-	1.0 U	-
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-	1.0 U	-
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-	1.0 U	-
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-	1.0 U	-
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	-	-	-	-	-	1.0 U	-	-	-	-	-	-	-	1.0 U	-
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	0.050 U	-	-	-	-	-	-	-	0.050 U	-
alpha-BHC	µg/L	0.01	-	-	-	-	-	0.0089 J	-	-	-	-	-	-	-	0.050 U	-
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	-	-	-	-	-	0.050 U	-	-	-	-	-	-	-	0.050 U	-
Chlordane	µg/L	0.05	-	-	-	-	-	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	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	-
gamma-BHC (lindane)	µg/L	0.05	-	-	-	-	-	0.050 U	-	-	-	-	-	-	-	0.050 U	-
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	-	-	-	-	-	0.050 U	-	-	-	-	-	-	-	0.050 U	-
Heptachlor epoxide	µg/L	0.03	-	-	-	-	-	0.050 U	-	-	-	-	-	-	-	0.050 U	-
Methoxychlor	µg/L	35	-	-	-	-	-	0.10 U	-	-	-	-	-	-	-	0.10 U	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2R*	*GT-2R*	*GT-2R*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*	*GT-3*
Sample ID:			*GT-2*	*GT-2*	*GT-2*	*GT-2*	*GT-2-NY*	*GW-18631-RW-006*	*GW-18631-RW-12*	*GW-18631-100209-BP-008*	*GT-3*	*GT-3*	*GT-3*	*GT-3-NY*	*GT-3*	*GW-18631-RW-011*	*GW-18631-RW-21*
Sample Date:			*8/20/1987*	*10/23/1987*	*2/18/1988*	*9/9/1988*	*9/9/1988*	*10/16/2001*	*4/3/2002*	*10/2/2009*	*8/4/1987*	*8/20/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*10/17/2001*	*4/4/2002*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***															
Toxaphene	µg/L	0.06	-	-	-	-	-	2.0 U	-	-	-	-	-	-	-	2.0 U	-
Petroleum Products																	
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	-	-	-	-	-	-	-	100 UJ	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	-	-	-	-	-	500 U	480 U	-	-	-	-	-	-	500 U	470 U
General Chemistry																	
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	-	-	-	-	-	10.0 U	-	-	-	-	-	-	1.7 B	10.0 U	-
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	-	-	-	-	-	10 U	-	-	-	-	-	-	-	10 U	-
Sulfide	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
- Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-3*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GT-5*
Sample ID:			*GW-18631-100609-RR-027*	*GT-4*	*GT-4*	*GT-4*	*GW-18631-RW-013*	*GW-18631-RW-04*	*GW-18631-100109-RR-013*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GW-18631-RW-017*	*GW-18631-RW-13*
Sample Date:			*10/6/2009*	*8/4/1987*	*8/20/1987*	*9/8/1992*	*10/17/2001*	*4/2/2002*	*10/1/2009*	*8/4/1987*	*8/20/1987*	*9/8/1992*	*12/13/1994*	*10/17/2001*	*4/3/2002*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*													
Volatiles															
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
1,1,1-Trichloroethane	µg/L	5	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
1,1,2-Trichloroethane	µg/L	1	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
1,1-Dichloroethane	µg/L	5	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
1,1-Dichloroethene	µg/L	5	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
1,1-Dichloropropene	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
1,2,3-Trichloropropane	µg/L	0.04	-	-	-	-	-	-	-	-	-	-	2 U	-	-
1,2,4-Trichlorobenzene	µg/L	5	1.0 U	-	-	-	-	-	1.0 U	-	-	-	2 U	-	-
1,2,4-Trimethylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	1.0 U	-	-	-	-	-	1.0 U	-	-	-	2 U	-	-
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	1.0 U	-	-	-	-	-	1.0 U	-	-	-	2 U	-	-
1,2-Dichlorobenzene	µg/L	3	1.0 U	-	-	-	-	-	1.0 U	-	-	-	2 U	-	-
1,2-Dichloroethane	µg/L	0.6	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
1,3,5-Trimethylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
1,3-Dichlorobenzene	µg/L	3	1.0 U	-	-	-	-	-	1.0 U	-	-	-	2 U	-	-
1,3-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
1,4-Dichlorobenzene	µg/L	3	1.0 U	-	-	-	-	-	1.0 U	-	-	-	2 U	-	-
2,2-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	2 U	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	5.0 U	-	-	-	5.0 U	5 UJ	5.0 U	-	-	-	-	5.0 UJ	5 U
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	5.0 U	-	-	-	5.0 U	5 UJ	5.0 U	-	-	-	-	5.0 UJ	5 UJ
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	5.0 U	-	-	-	5.0 U	5 U	5.0 U	-	-	-	-	5.0 U	5 U
Acetone	µg/L	50	5.0 U	-	-	-	10 UJ	10 UJ	5.0 U	-	-	-	-	10 UJ	10 UJ
Benzene	µg/L	1	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
Bromobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
Bromodichloromethane	µg/L	50	1.0 U	-	-	-	1.0 U	1 U	0.97 J	-	-	-	2 U	1.0 U	1 U
Bromoform	µg/L	50	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
Bromomethane (Methyl bromide)	µg/L	5	1.0 U	-	-	-	1.0 U	2 U	1.0 UJ	-	-	-	5 U	1.0 U	2 U
Carbon disulfide	µg/L	6060	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	1.0 U	1 U
Carbon tetrachloride	µg/L	5	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	2 J	2 U	1.0 U	1 U
Chlorobenzene	µg/L	5	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
Chlorobromomethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
Chloroethane	µg/L	5	1.0 U	-	-	-	2.0 U	2 U	1.0 U	-	-	-	5 U	2.0 UJ	2 U
Chloroform (Trichloromethane)	µg/L	7	1.0 U	-	-	-	1.0 U	1 U	0.90 J	1	-	-	5 U	4.4	3.7
Chloromethane (Methyl chloride)	µg/L	5	1.0 U	-	-	-	2.0 U	2 U	1.0 U	-	-	-	10 U	2.0 U	2 UJ
cis-1,2-Dichloroethene	µg/L	5	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
cis-1,3-Dichloropropene	µg/L	-	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	1.0 U	1 U
Cyclohexane	µg/L	-	1.0 U	-	-	-	-	-	1.0 U	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
Dibromochloromethane	µg/L	50	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
Dibromomethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	1.0 U	-	-	-	-	-	1.0 U	-	-	-	10 U	-	-
Ethylbenzene	µg/L	5	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	2 U	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-3*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GT-5*
Sample ID:			*GW-18631-100609-RR-027*	*GT-4*	*GT-4*	*GT-4*	*GW-18631-RW-013*	*GW-18631-RW-04*	*GW-18631-100109-RR-013*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GW-18631-RW-017*	*GW-18631-RW-13*
Sample Date:			*10/6/2009*	*8/4/1987*	*8/20/1987*	*9/8/1992*	*10/17/2001*	*4/2/2002*	*10/1/2009*	*8/4/1987*	*8/20/1987*	*9/8/1992*	*12/13/1994*	*10/17/2001*	*4/3/2002*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*													
Isopropyl benzene	µg/L	5	1.0 U	-	-	-	-	-	1.0 U	-	-	-	2 U	-	-
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	1.0 U	-	-	-	-	-	1.0 U	-	-	-	-	-	-
Methyl cyclohexane	µg/L	-	1.0 U	-	-	-	-	-	1.0 U	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	µg/L	10	1.0 U	-	-	-	-	-	1.0 U	-	-	-	5 U	-	-
Methylene chloride	µg/L	5	1.0 U	-	-	-	2.0 U	2 U	1.0 U	-	-	-	10 U	2.0 U	2 U
Naphthalene	µg/L	10	-	-	-	-	-	-	-	-	-	-	2 U	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
N-Propylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
Toluene	µg/L	5	1.0 U	-	-	-	1.0 U	0.24 J	1.0 U	-	-	-	2 U	1.0 U	0.31 J
trans-1,2-Dichloroethene	µg/L	5	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.0 U	1 U
trans-1,3-Dichloropropene	µg/L	-	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	-	1.0 U	1 U
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	5	-	-	-	-	-
Trichloroethene	µg/L	5	1.0 U	-	-	-	1.0 U	1 U	1.0 U	-	-	-	2 U	1.3	1.3
Trichlorofluoromethane (CFC-11)	µg/L	5	1.0 U	-	-	-	-	-	1.0 U	-	-	-	2 U	-	-
Trifluorotrichloroethane (Freon 113)	µg/L	5	1.0 U	-	-	-	-	-	1.0 U	-	-	-	-	-	-
Vinyl acetate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	1.0 U	-	-	-	2.0 U	2 U	1.0 U	-	-	-	10 U	2.0 U	2 U
Xylenes (total)	µg/L	5	3.0 U	-	-	-	3.0 U	3 U	3.0 U	-	-	-	2 U	3.0 U	3 U
Semi-volatiles															
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	-	-	10 U	10 U	-	-	-	-	2 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	3	-	-	-	-	10 U	10 U	-	-	-	-	2 U	10 U	10 U
1,2-Diphenylhydrazine	µg/L	-	-	-	-	-	-	-	-	-	-	-	2 U	-	-
1,3-Dichlorobenzene	µg/L	3	-	-	-	-	10 U	10 U	-	-	-	-	2 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	3	-	-	-	-	10 U	10 U	-	-	-	-	2 U	10 U	10 U
1-Chloronaphthalene	µg/L	-	-	-	-	-	-	-	-	-	-	-	2 U	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	5 U	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	5	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	10 U	10 U	10 U
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	20 U	-	-
2,4,5-Trichlorophenol	µg/L	-	10 U	-	-	-	10 U	10 U	10 U	-	-	-	10 U	10 U	10 U
2,4,6-Trichlorophenol	µg/L	-	10 U	-	-	-	10 U	10 U	10 U	-	-	-	10 U	10 U	10 U
2,4-Dichlorophenol	µg/L	5	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	5 U	10 U	10 U
2,4-Dimethylphenol	µg/L	50	10 U	-	-	-	10 U	10 U	10 U	-	-	-	5 U	10 U	10 U
2,4-Dinitrophenol	µg/L	10	51 U	-	-	-	50 U	50 UJ	50 U	-	-	-	-	50 U	50 UJ
2,4-Dinitrotoluene	µg/L	5	10 U	-	-	-	10 U	10 U	10 U	-	-	-	5 U	10 U	10 U
2,6-Dichlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	5 U	-	-
2,6-Dinitrotoluene	µg/L	5	10 U	-	-	-	10 U	10 U	10 U	-	-	-	5 U	10 U	10 U
2-Chloronaphthalene	µg/L	10	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
2-Chlorophenol	µg/L	-	10 U	-	-	-	10 U	10 U	10 U	-	-	-	5 U	10 U	10 U
2-Methylnaphthalene	µg/L	-	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
2-Methylphenol	µg/L	-	10 U	-	-	-	10 U	10 U	10 U	-	-	-	5 U	10 U	10 U
2-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	5 U	-	-
2-Nitroaniline	µg/L	5	51 U	-	-	-	50 U	50 U	50 U	-	-	-	20 U	50 U	50 U
2-Nitrophenol	µg/L	-	10 U	-	-	-	10 U	10 U	10 U	-	-	-	10 U	10 U	10 U
2-Picoline	µg/L	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	5 U	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-3*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GT-5*
Sample ID:			*GW-18631-100609-RR-027*	*GT-4*	*GT-4*	*GT-4*	*GW-18631-RW-013*	*GW-18631-RW-04*	*GW-18631-100109-RR-013*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GW-18631-RW-017*	*GW-18631-RW-13*
Sample Date:			*10/6/2009*	*8/4/1987*	*8/20/1987*	*9/8/1992*	*10/17/2001*	*4/2/2002*	*10/1/2009*	*8/4/1987*	*8/20/1987*	*9/8/1992*	*12/13/1994*	*10/17/2001*	*4/3/2002*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*													
3,3'-Dichlorobenzidine	µg/L	5	10 U	-	-	-	50 U	50 U	10 U	-	-	-	5 U	50 U	R
3-Methylcholanthrene	µg/L	-	-	-	-	-	-	-	-	-	-	-	5 U	-	-
3-Nitroaniline	µg/L	5	51 U	-	-	-	50 U	50 U	50 U	-	-	-	20 U	50 U	50 U
4,6-Dinitro-2-methylphenol	µg/L	-	51 U	-	-	-	50 U	50 UJ	50 U	-	-	-	50 U	50 U	50 UJ
4-Aminobiphenyl	µg/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-
4-Bromophenyl phenyl ether	µg/L	-	10 U	-	-	-	10 U	10 U	10 U	-	-	-	2 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L	-	10 U	-	-	-	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	-	-	-	5 U	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	-	10 U	-	-	-	10 U	10 U	10 U	-	-	-	2 U	10 U	10 U
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	5 U	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	µg/L	-	10 U	-	-	-	10 U	10 U	10 U	-	-	-	-	10 U	10 U
4-Nitroaniline	µg/L	5	51 U	-	-	-	50 U	50 U	50 U	-	-	-	20 U	50 U	50 U
4-Nitrophenol	µg/L	-	51 U	-	-	-	50 U	50 U	50 U	-	-	-	-	50 U	50 U
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-
Acenaphthene	µg/L	20	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
Acenaphthylene	µg/L	-	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
Acetophenone	µg/L	-	10 U	-	-	-	-	-	10 U	-	-	-	2 U	-	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-
Anthracene	µg/L	50	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
Atrazine	µg/L	7.5	10 U	-	-	-	-	-	10 U	-	-	-	-	-	-
Benzaldehyde	µg/L	-	10 U	-	-	-	-	-	10 U	-	-	-	-	-	-
Benzidine	µg/L	5	-	-	-	-	-	-	-	-	-	-	10 U	-	-
Benzo(a)anthracene	µg/L	0.002	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
Benzo(a)pyrene	µg/L	-	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
Benzo(b)fluoranthene	µg/L	0.002	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	-	10 U	10 U
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-	-	-	-	-	-	2 U	-	-
Benzo(g,h,i)perylene	µg/L	-	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 UJ	10 U
Benzo(k)fluoranthene	µg/L	0.002	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	-	10 U	10 U
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	10 U	-	-	-	-	-	10 U	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	5	10 U	-	-	-	10 U	10 U	10 U	-	-	-	2 U	10 U	10 U
bis(2-Chloroethyl)ether	µg/L	1	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	10 U	-	-	-	10 U	10 U	10 U	-	-	9 U	10 U	10 U	10 U
Butyl benzylphthalate (BBP)	µg/L	50	10 U	-	-	-	10 U	10 U	10 U	-	-	-	10 U	10 U	10 U
Caprolactam	µg/L	-	51 U	-	-	-	-	-	50 U	-	-	-	-	-	-
Carbazole	µg/L	-	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	-	10 U	10 U
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-	-	-	30 U	-	-
Chrysene	µg/L	0.002	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
Dibenz(a,h)anthracene	µg/L	-	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 UJ	10 U
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	-	-	-	-	-	-	2 U	-	-
Dibenzofuran	µg/L	-	10 U	-	-	-	10 U	10 U	10 U	-	-	-	2 U	10 U	10 U
Diethyl phthalate	µg/L	50	10 U	-	-	-	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	10 U
Di-n-butylphthalate (DBP)	µg/L	50	10 U	-	-	-	10 U	10 U	10 U	-	-	1 U	10 U	10 U	10 U
Di-n-octyl phthalate (DnOP)	µg/L	50	10 U	-	-	-	10 U	10 U	10 U	-	-	6 U	10 U	10 U	10 U
Ethyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-	-	5 U	-	-
Fluoranthene	µg/L	50	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
Fluorene	µg/L	50	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
Hexachlorobenzene	µg/L	0.04	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	5 U	10 U	10 U
Hexachlorobutadiene	µg/L	0.5	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	5 U	10 U	10 U

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-3*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GT-5*
Sample ID:			*GW-18631-100609-RR-027*	*GT-4*	*GT-4*	*GT-4*	*GW-18631-RW-013*	*GW-18631-RW-04*	*GW-18631-100109-RR-013*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GW-18631-RW-017*	*GW-18631-RW-13*
Sample Date:			*10/6/2009*	*8/4/1987*	*8/20/1987*	*9/8/1992*	*10/17/2001*	*4/2/2002*	*10/1/2009*	*8/4/1987*	*8/20/1987*	*9/8/1992*	*12/13/1994*	*10/17/2001*	*4/3/2002*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***													
Hexachlorocyclopentadiene	µg/L	5	10 U	-	-	-	50 U	50 U	10 U	-	-	-	20 U	50 U	50 U
Hexachloroethane	µg/L	5	10 U	-	-	-	10 U	10 U	10 U	-	-	-	5 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	0.002	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 UJ	10 U
Isophorone	µg/L	50	10 U	-	-	-	10 U	10 U	10 U	-	-	-	2 U	10 U	10 U
Methyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-
Naphthalene	µg/L	10	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
Nitrobenzene	µg/L	0.4	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	5 U	10 U	10 U
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	5 U	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	5 U	-	-
N-Nitrosodi-n-propylamine	µg/L	-	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	10 U	10 U	10 U
N-Nitrosodiphenylamine	µg/L	50	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	-	10 U	10 U
N-Nitrosopiperidine	µg/L	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-
Pentachlorophenol	µg/L	1	10 U	-	-	-	50 U	50 U	10 U	-	-	-	50 U	50 U	50 U
Phenacetin	µg/L	-	-	-	-	-	-	-	-	-	-	-	5 U	-	-
Phenanthrene	µg/L	50	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
Phenol	µg/L	1	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	5 U	10 U	10 U
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	-	-	-	-	-	-	-	5 U	-	-
Pyrene	µg/L	50	2.0 U	-	-	-	10 U	10 U	2.0 U	-	-	-	2 U	10 U	10 U
Pyridine	µg/L	50	-	-	-	-	-	-	-	-	-	-	10 U	-	-
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-	-	-	20 U	-	-
Metals															
Aluminum	µg/L	-	-	-	-	16800	201 U	126	-	-	-	951	-	115 U	200 U
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	3	-	-	-	-	4.1 U	60 U	-	-	-	-	-	4.7	60 U
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	-	-	-	8.1 J	2.0 U	10 U	-	-	-	-	-	2.0 U	10 U
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	1000	-	-	-	190 B	33.2	26.4	-	-	-	50.7 B	-	31.5	28
Barium (dissolved)	µg/L	1000	-	-	-	59 B	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	3	-	-	-	1.1 B	0.077 U	5 U	-	-	-	-	-	0.077 U	5 U
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	-	-	-	-	0.63 U	5 U	-	-	-	-	-	0.63 U	5 U
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	µg/L	-	-	-	-	194000	81400 J	78000	-	-	-	112000	-	93700 J	84300
Calcium (dissolved)	µg/L	-	-	-	-	101000	-	-	-	-	-	-	-	-	-
Chromium	µg/L	50	-	-	-	26.8	1.8	10 U	-	-	-	3.7 B	-	2.0	10 U
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	-	19 B	2.6 U	50 U	-	-	-	-	-	2.6 U	50 U
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	-	-	-	47.8	2.3 U	25 U	-	-	-	3.3 B	-	1.3 U	25 U
Copper (dissolved)	µg/L	200	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	µg/L	300	-	-	-	39600 J	302	182	-	-	-	1710	-	149	110
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	25	-	-	-	24.4	1.8 U	3 U	-	-	-	3.1	-	1.8 U	3 U
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	µg/L	35000	-	-	-	279.00	11100	10800	-	-	-	12900	-	12900	12300
Magnesium (dissolved)	µg/L	35000	-	-	-	13100	-	-	-	-	-	-	-	-	-
Manganese	µg/L	300	-	-	-	1440	9.0	4.6	-	-	-	53	-	4.5	15 U
Manganese (dissolved)	µg/L	300	-	-	-	3.1 B	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-3*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GT-5*
Sample ID:			*GW-18631-100609-RR-027*	*GT-4*	*GT-4*	*GT-4*	*GW-18631-RW-013*	*GW-18631-RW-04*	*GW-18631-100109-RR-013*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GW-18631-RW-017*	*GW-18631-RW-13*
Sample Date:			*10/6/2009*	*8/4/1987*	*8/20/1987*	*9/8/1992*	*10/17/2001*	*4/2/2002*	*10/1/2009*	*8/4/1987*	*8/20/1987*	*9/8/1992*	*12/13/1994*	*10/17/2001*	*4/3/2002*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***													
Mercury	µg/L	0.7	-	-	-	-	0.087 U	0.2 U	-	-	-	-	-	0.054 U	0.2 U
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	-	-	-	35.2 B	7.9 U	40 U	-	-	-	-	-	7.9 U	5.5
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	µg/L	-	-	-	-	4230 B	1110 U	709	-	-	-	2060 B	-	1370 U	1070
Potassium (dissolved)	µg/L	-	-	-	-	808 B	-	-	-	-	-	-	-	-	-
Selenium	µg/L	10	-	-	-	-	3.2 U	5 U	-	-	-	-	-	3.2 U	5 U
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	-	-	-	-	0.75 U	10 U	-	-	-	-	-	0.75 U	10 U
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	-	-	-	**164000**	**47900**	**21900**	-	-	-	**53500**	-	**56800**	**37800**
Sodium (dissolved)	µg/L	20000	-	-	-	**157000**	-	-	-	-	-	-	-	-	-
Thallium	µg/L	0.5	-	-	-	-	5.7 U	10 U	-	-	-	-	-	8.9 U	10 U
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	-	-	-	36.3 B	4.1 U	50 U	-	-	-	3.5 B	-	4.1 U	50 U
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	-	-	-	136 J	5.5 U	20 U	-	-	-	22.7 J	-	20.5 U	6.2
Zinc (dissolved)	µg/L	2000	-	-	-	29.4 J	-	-	-	-	-	-	-	-	-
PCBs															
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	-	-	-	-	1.0 U	-	-	-	-	-	30 U	1.0 U	-
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	-	-	-	-	1.0 U	-	-	-	-	-	30 U	1.0 U	-
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	-	-	-	-	1.0 U	-	-	-	-	-	30 U	1.0 U	-
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	-	-	-	-	1.0 U	-	-	-	-	-	30 U	1.0 U	-
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	-	-	-	-	1.0 U	-	-	-	-	-	30 U	1.0 U	-
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	-	-	-	-	1.0 U	-	-	-	-	-	30 U	1.0 U	-
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	-	-	-	-	1.0 U	-	-	-	-	-	30 U	1.0 U	-
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides															
4,4'-DDD	µg/L	0.3	-	-	-	-	0.050 U	-	-	-	-	-	20 U	0.050 U	-
4,4'-DDE	µg/L	0.2	-	-	-	-	0.050 U	-	-	-	-	-	20 U	0.050 U	-
4,4'-DDT	µg/L	0.2	-	-	-	-	0.050 U	-	-	-	-	-	20 U	0.050 U	-
Aldrin	µg/L	-	-	-	-	-	0.050 U	-	-	-	-	-	-	0.050 U	-
alpha-BHC	µg/L	0.01	-	-	-	-	0.050 U	-	-	-	-	-	10 U	0.050 U	-
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	-	-	-	-	0.050 U	-	-	-	-	-	-	0.050 U	-
Chlordane	µg/L	0.05	-	-	-	-	0.50 U	-	-	-	-	-	-	0.50 U	-
delta-BHC	µg/L	0.04	-	-	-	-	0.050 U	-	-	-	-	-	10 U	0.050 U	-
Dieldrin	µg/L	0.004	-	-	-	-	0.050 U	-	-	-	-	-	10 U	0.050 U	-
Endosulfan I	µg/L	-	-	-	-	-	0.050 U	-	-	-	-	-	20 U	0.050 U	-
Endosulfan II	µg/L	-	-	-	-	-	0.050 U	-	-	-	-	-	20 U	0.050 U	-
Endosulfan sulfate	µg/L	-	-	-	-	-	0.050 U	-	-	-	-	-	20 U	0.050 U	-
Endrin	µg/L	-	-	-	-	-	0.050 U	-	-	-	-	-	20 U	0.050 U	-
Endrin aldehyde	µg/L	5	-	-	-	-	0.050 U	-	-	-	-	-	20 U	0.050 U	-
Endrin ketone	µg/L	5	-	-	-	-	0.050 U	-	-	-	-	-	-	0.050 U	-
gamma-BHC (lindane)	µg/L	0.05	-	-	-	-	0.050 U	-	-	-	-	-	-	0.050 U	-
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	-	-	-	-	0.050 U	-	-	-	-	-	10 U	0.050 U	-
Heptachlor epoxide	µg/L	0.03	-	-	-	-	0.050 U	-	-	-	-	-	20 U	0.050 U	-
Methoxychlor	µg/L	35	-	-	-	-	0.10 U	-	-	-	-	-	5 U	0.10 U	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-3*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-4*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GT-5*
Sample ID:			*GW-18631-100609-RR-027*	*GT-4*	*GT-4*	*GT-4*	*GW-18631-RW-013*	*GW-18631-RW-04*	*GW-18631-100109-RR-013*	*GT-5*	*GT-5*	*GT-5*	*GT-5*	*GW-18631-RW-017*	*GW-18631-RW-13*
Sample Date:			*10/6/2009*	*8/4/1987*	*8/20/1987*	*9/8/1992*	*10/17/2001*	*4/2/2002*	*10/1/2009*	*8/4/1987*	*8/20/1987*	*9/8/1992*	*12/13/1994*	*10/17/2001*	*4/3/2002*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***													
Toxaphene	µg/L	0.06	-	-	-	-	2.0 U	-	-	-	-	-	-	2.0 U	-
Petroleum Products															
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	100 UJ	-	-	-	-	-	100 U	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	-	-	-	-	470 U	470 U	-	-	-	-	-	470 U	200 J
General Chemistry															
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	-	-	-	-	10.0 U	-	-	-	-	1.5 B	-	10.0 U	-
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	-	-	-	-	10 U	-	-	-	-	-	-	10 U	-
Sulfide	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
- Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-5*	*GT-6*	*GT-6*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*
Sample ID:			*GW-18631-093009-RR-003*	*GT-6*	*GT-6*	*GT-7*	*GT-7*	*GT-7*	*GT-7-NY*	*GT-7*	*GT-7*	*GW-18631-RW-021*	*GW-18631-RW-22*	*GW-18631-100209-BP-010*	*GW-18631-101111-BP-003*
Sample Date:			*9/30/2009*	*8/4/1987*	*8/20/1987*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*12/13/1994*	*10/18/2001*	*4/4/2002*	*10/2/2009*	*10/11/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*													
Volatiles															
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	1.4	1 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 UJ	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U
1,1-Dichloropropene	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	-	-	-	-	-	-	-	-	2 U	-	-	-	1.0 U
1,2,4-Trichlorobenzene	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	-	-	1.0 U	1.0 U
1,2,4-Trimethylbenzene	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	1.0 U	-	-	-	-	-	-	-	2 U	-	-	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	1.0 U	-	-	-	-	-	-	-	2 U	-	-	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	3	1.0 U	-	-	-	-	-	-	-	2 U	-	-	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.6	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	1.0 U
1,3-Dichlorobenzene	µg/L	3	1.0 U	-	-	-	-	-	-	-	2 U	-	-	1.0 U	1.0 U
1,3-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	1.0 U	-	-	-	-	-	-	-	2 U	-	-	1.0 U	1.0 U
2,2-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	-	-	-	-	2 U	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	5.0 U	-	-	-	-	-	-	-	-	5.0 UJ	5 U	5.0 U	5.0 U
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	5.0 U	-	-	-	-	-	-	-	-	5.0 UJ	5 U	5.0 U	5.0 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	5.0 U	-	-	-	-	-	-	-	-	5.0 U	5 U	5.0 U	5.0 U
Acetone	µg/L	50	5.0 U	-	-	-	-	-	-	-	-	10 UJ	10 UJ	3.2 J	5.0 U
Benzene	µg/L	1	0.13 J	-	-	-	-	-	-	-	2 U	**46**	1 U	1.0 U	1.0 U
Bromobenzene	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	-
Bromodichloromethane	µg/L	50	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U
Bromoform	µg/L	50	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5	1.0 UJ	-	-	-	-	-	-	-	5 U	1.0 U	2 U	1.0 UJ	1.0 U
Carbon disulfide	µg/L	6060	1.0 U	-	-	-	-	-	-	-	-	1.0 U	1 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U
Chlorobenzene	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U
Chlorobromomethane	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	-
Chloroethane	µg/L	5	1.0 U	-	-	-	-	-	-	-	5 U	2.0 UJ	2 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	7	1.3	-	-	-	-	-	-	-	5 U	1.0 U	1 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5	1.0 U	-	-	-	-	-	-	-	10 U	2.0 U	2 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	-	1.0 U	-	-	-	-	-	-	-	-	1.0 U	1 U	1.0 U	1.0 U
Cyclohexane	µg/L	-	1.0 U	-	-	-	-	-	-	-	-	-	-	1.0 U	1.0 U
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	-
Dibromochloromethane	µg/L	50	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U
Dibromomethane	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	1.0 U	-	-	-	-	-	-	-	10 U	-	-	1.0 U	1.0 U
Ethylbenzene	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	**82**	1 U	1.0 U	1.0 U
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	-	2 U	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-5*	*GT-6*	*GT-6*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*
Sample ID:			*GW-18631-093009-RR-003*	*GT-6*	*GT-6*	*GT-7*	*GT-7*	*GT-7*	*GT-7-NY*	*GT-7*	*GT-7*	*GW-18631-RW-021*	*GW-18631-RW-22*	*GW-18631-100209-BP-010*	*GW-18631-101111-BP-003*
Sample Date:			*9/30/2009*	*8/4/1987*	*8/20/1987*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*12/13/1994*	*10/18/2001*	*4/4/2002*	*10/2/2009*	*10/11/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*													
Isopropyl benzene	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	-	-	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	1.0 U	-	-	-	-	-	-	-	-	-	-	1.0 U	1.0 U
Methyl cyclohexane	µg/L	-	1.0 U	-	-	-	-	-	-	-	-	-	-	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	10	1.0 U	-	-	-	-	-	-	-	5 U	-	-	1.0 U	1.0 U
Methylene chloride	µg/L	5	1.0 U	-	-	-	-	-	-	-	10 U	2.0 U	2 U	0.59 J	1.0 U
Naphthalene	µg/L	10	-	-	-	-	-	-	-	-	2 U	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	-
N-Propylbenzene	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	1.0 U
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 UJ	1.0 U	1.0 U
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U
Toluene	µg/L	5	0.90 J	-	-	-	-	-	-	-	2 U	**5.2**	0.31 J	0.45 J	1.0 U
trans-1,2-Dichloroethene	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	-	1.0 U	-	-	-	-	-	-	-	-	1.0 U	1 U	1.0 U	1.0 U
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	5	0.61 J	-	-	-	-	-	-	-	2 U	2.2	1 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	5	1.0 U	-	-	-	-	-	-	-	2 U	-	-	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	5	1.0 U	-	-	-	-	-	-	-	-	-	-	1.0 U	1.0 U
Vinyl acetate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	1.0 U	-	-	-	-	-	-	-	10 U	2.0 U	2 U	1.0 U	1.0 U
Xylenes (total)	µg/L	5	3.0 U	-	-	-	-	-	-	-	2 U	**350**	3 U	3.0 U	3.0 U
Semi-volatiles															
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	2 U	10 U	10 U	-	-
1,2-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	-	2 U	10 U	10 U	-	-
1,2-Diphenylhydrazine	µg/L	-	-	-	-	-	-	-	-	-	2 U	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	-	2 U	10 U	10 U	-	-
1,4-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	-	2 U	10 U	10 U	-	-
1-Chloronaphthalene	µg/L	-	-	-	-	-	-	-	-	-	2 U	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	5 U	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	5	2.0 U	-	-	-	-	-	-	-	10 U	10 U	10 U	2.0 U	-
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	-	-	-	-	20 U	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	10 U	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	-
2,4,6-Trichlorophenol	µg/L	-	10 U	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	-
2,4-Dichlorophenol	µg/L	5	2.0 U	-	-	-	-	-	-	-	5 U	10 U	10 U	2.0 U	-
2,4-Dimethylphenol	µg/L	50	10 U	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	-
2,4-Dinitrophenol	µg/L	10	51 U	-	-	-	-	-	-	-	-	50 U	50 UJ	51 U	-
2,4-Dinitrotoluene	µg/L	5	10 U	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	-
2,6-Dichlorophenol	µg/L	-	-	-	-	-	-	-	-	-	5 U	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	10 U	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	-
2-Chloronaphthalene	µg/L	10	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
2-Chlorophenol	µg/L	-	10 U	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	-
2-Methylnaphthalene	µg/L	-	2.0 U	-	-	-	-	-	-	-	2 U	37	10 U	2.0 U	-
2-Methylphenol	µg/L	-	10 U	-	-	-	-	-	-	-	5 U	1.3 J	10 U	10 U	-
2-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	5 U	-	-	-	-
2-Nitroaniline	µg/L	5	51 U	-	-	-	-	-	-	-	20 U	50 U	50 U	51 U	-
2-Nitrophenol	µg/L	-	10 U	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	-
2-Picoline	µg/L	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	-	5 U	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-5*	*GT-6*	*GT-6*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*
Sample ID:			*GW-18631-093009-RR-003*	*GT-6*	*GT-6*	*GT-7*	*GT-7*	*GT-7*	*GT-7-NY*	*GT-7*	*GT-7*	*GW-18631-RW-021*	*GW-18631-RW-22*	*GW-18631-100209-BP-010*	*GW-18631-101111-BP-003*
Sample Date:			*9/30/2009*	*8/4/1987*	*8/20/1987*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*12/13/1994*	*10/18/2001*	*4/4/2002*	*10/2/2009*	*10/11/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*													
3,3'-Dichlorobenzidine	µg/L	5	10 U	-	-	-	-	-	-	-	5 U	50 U	R	10 U	-
3-Methylcholanthrene	µg/L	-	-	-	-	-	-	-	-	-	5 U	-	-	-	-
3-Nitroaniline	µg/L	5	51 U	-	-	-	-	-	-	-	20 U	50 U	50 U	51 U	-
4,6-Dinitro-2-methylphenol	µg/L	-	51 U	-	-	-	-	-	-	-	50 U	50 U	50 UJ	51 U	-
4-Aminobiphenyl	µg/L	5	-	-	-	-	-	-	-	-	2 U	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	10 U	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	-
4-Chloro-3-methylphenol	µg/L	-	10 U	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	-
4-Chloroaniline	µg/L	5	10 U	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	-
4-Chlorophenyl phenyl ether	µg/L	-	10 U	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	-
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	-	-	-	-	5 U	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	µg/L	-	10 U	-	-	-	-	-	-	-	-	10 U	10 U	10 U	-
4-Nitroaniline	µg/L	5	51 U	-	-	-	-	-	-	-	20 U	50 U	50 U	51 U	-
4-Nitrophenol	µg/L	-	51 U	-	-	-	-	-	-	-	-	50 UJ	50 U	51 U	-
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-
Acenaphthene	µg/L	20	2.0 U	-	-	-	-	-	-	-	2 U	0.73 J	10 U	2.0 U	-
Acenaphthylene	µg/L	-	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
Acetophenone	µg/L	-	10 U	-	-	-	-	-	-	-	2 U	-	-	10 U	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-
Anthracene	µg/L	50	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
Atrazine	µg/L	7.5	10 U	-	-	-	-	-	-	-	-	-	-	10 U	-
Benzaldehyde	µg/L	-	10 U	-	-	-	-	-	-	-	-	-	-	10 U	-
Benzidine	µg/L	5	-	-	-	-	-	-	-	-	10 U	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
Benzo(a)pyrene	µg/L	-	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
Benzo(b)fluoranthene	µg/L	0.002	2.0 U	-	-	-	-	-	-	-	-	10 U	10 U	2.0 U	-
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-	-	-	-	2 U	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
Benzo(k)fluoranthene	µg/L	0.002	2.0 U	-	-	-	-	-	-	-	-	10 U	10 U	2.0 U	-
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	10 U	-	-	-	-	-	-	-	-	-	-	10 U	-
bis(2-Chloroethoxy)methane	µg/L	5	10 U	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	-
bis(2-Chloroethyl)ether	µg/L	1	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	10 U	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	-
Butyl benzylphthalate (BBP)	µg/L	50	10 U	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	-
Caprolactam	µg/L	-	51 U	-	-	-	-	-	-	-	-	-	-	51 U	-
Carbazole	µg/L	-	2.0 U	-	-	-	-	-	-	-	-	10 U	10 U	2.0 U	-
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-	30 U	-	-	-	-
Chrysene	µg/L	0.002	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
Dibenz(a,h)anthracene	µg/L	-	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	-	-	-	-	2 U	-	-	-	-
Dibenzofuran	µg/L	-	10 U	-	-	-	-	-	-	-	2 U	0.97 J	10 U	10 U	-
Diethyl phthalate	µg/L	50	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	-
Di-n-butylphthalate (DBP)	µg/L	50	10 U	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	-
Di-n-octyl phthalate (DnOP)	µg/L	50	10 U	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	-
Ethyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	5 U	-	-	-	-
Fluoranthene	µg/L	50	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
Fluorene	µg/L	50	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
Hexachlorobenzene	µg/L	0.04	2.0 U	-	-	-	-	-	-	-	5 U	10 U	10 U	2.0 U	-
Hexachlorobutadiene	µg/L	0.5	2.0 U	-	-	-	-	-	-	-	5 U	10 U	10 U	2.0 U	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-5*	*GT-6*	*GT-6*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*
Sample ID:			*GW-18631-093009-RR-003*	*GT-6*	*GT-6*	*GT-7*	*GT-7*	*GT-7*	*GT-7-NY*	*GT-7*	*GT-7*	*GW-18631-RW-021*	*GW-18631-RW-22*	*GW-18631-100209-BP-010*	*GW-18631-101111-BP-003*
Sample Date:			*9/30/2009*	*8/4/1987*	*8/20/1987*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*12/13/1994*	*10/18/2001*	*4/4/2002*	*10/2/2009*	*10/11/2011*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***													
Hexachlorocyclopentadiene	µg/L	5	10 U	-	-	-	-	-	-	-	20 U	50 U	50 U	10 U	-
Hexachloroethane	µg/L	5	10 U	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
Isophorone	µg/L	50	10 U	-	-	-	-	-	-	-	2 U	10 U	10 U	10 U	-
Methyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-
Naphthalene	µg/L	10	2.0 U	-	-	-	-	-	-	-	2 U	**75**	10 U	2.0 U	-
Nitrobenzene	µg/L	0.4	2.0 U	-	-	-	-	-	-	-	5 U	10 U	10 U	2.0 U	-
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	-	-	-	-	5 U	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	-	-	-	-	5 U	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	2.0 U	-	-	-	-	-	-	-	10 U	10 U	10 U	2.0 U	-
N-Nitrosodiphenylamine	µg/L	50	2.0 U	-	-	-	-	-	-	-	-	10 U	10 U	2.0 U	-
N-Nitrosopiperidine	µg/L	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-
Pentachlorophenol	µg/L	1	10 U	-	-	-	-	-	-	-	50 U	50 U	50 U	10 U	-
Phenacetin	µg/L	-	-	-	-	-	-	-	-	-	5 U	-	-	-	-
Phenanthrene	µg/L	50	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
Phenol	µg/L	1	2.0 U	-	-	-	-	-	-	-	5 U	10 U	10 U	2.0 U	-
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	-	-	-	-	-	5 U	-	-	-	-
Pyrene	µg/L	50	2.0 U	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-
Pyridine	µg/L	50	-	-	-	-	-	-	-	-	10 U	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-	20 U	-	-	-	-
Metals															
Aluminum	µg/L	-	-	-	-	-	-	-	-	305	-	3400	220 U	-	-
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	3	-	-	-	-	-	-	-	-	-	4.1 U	60 U	-	-
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	-	-	-	-	-	-	-	-	-	2.2	10 U	-	-
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	1000	-	-	-	-	-	-	-	29.7 B	-	119	31	-	-
Barium (dissolved)	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	3	-	-	-	-	-	-	-	-	-	0.18 U	5 U	-	-
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	-	-	-	-	-	-	-	-	-	0.63 U	5 U	-	-
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	µg/L	-	-	-	-	-	-	-	-	83000	-	174000	92100	-	-
Calcium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	50	-	-	-	-	-	-	-	-	-	6.4	10 U	-	-
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	-	-	-	-	-	-	-	4.6	50 U	-	-
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	-	-	-	-	-	-	-	5 B	-	8.8 U	25 U	-	-
Copper (dissolved)	µg/L	200	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	µg/L	300	-	-	-	-	-	-	-	**614 J**	-	**5170**	**313 J**	-	-
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	25	-	-	-	-	-	-	**34**	2.5 B	-	2.3	3 U	-	-
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	µg/L	35000	-	-	-	-	-	-	-	8650	-	21300	9520	-	-
Magnesium (dissolved)	µg/L	35000	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	µg/L	300	-	-	-	-	-	-	-	33.4	-	**2920**	6.4	-	-
Manganese (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-5*	*GT-6*	*GT-6*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*
Sample ID:			*GW-18631-093009-RR-003*	*GT-6*	*GT-6*	*GT-7*	*GT-7*	*GT-7*	*GT-7-NY*	*GT-7*	*GT-7*	*GW-18631-RW-021*	*GW-18631-RW-22*	*GW-18631-100209-BP-010*	*GW-18631-101111-BP-003*
Sample Date:			*9/30/2009*	*8/4/1987*	*8/20/1987*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*12/13/1994*	*10/18/2001*	*4/4/2002*	*10/2/2009*	*10/11/2011*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***													
Mercury	µg/L	0.7	-	-	-	-	-	-	-	-	-	0.13	0.2 U	-	-
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	-	-	-	-	-	-	-	-	-	7.9 U	6.5	-	-
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	µg/L	-	-	-	-	-	-	-	-	867 B	-	3000 U	803	-	-
Potassium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	10	-	-	-	-	-	-	-	-	-	3.2 U	5 U	-	-
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	-	-	-	-	-	-	-	-	-	0.75 U	10 U	-	-
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	-	-	-	-	-	-	-	**37900**	-	**114000**	**58800 J**	-	-
Sodium (dissolved)	µg/L	20000	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	0.5	-	-	-	-	-	-	-	-	-	5.7 U	10 U	-	-
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	-	-	-	-	-	-	-	-	-	10.1 U	50 U	-	-
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	-	-	-	-	-	-	-	7.2 J	-	15.8	20 U	-	-
Zinc (dissolved)	µg/L	2000	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs															
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	-	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	-	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	-	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	-	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	-	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	-	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	-	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides															
4,4'-DDD	µg/L	0.3	-	-	-	-	-	-	-	-	20 U	0.010 J	-	-	-
4,4'-DDE	µg/L	0.2	-	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-
4,4'-DDT	µg/L	0.2	-	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	-	-	0.050 U	-	-	-
alpha-BHC	µg/L	0.01	-	-	-	-	-	-	-	-	10 U	0.050 U	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	-	-	-	-	-	-	-	-	-	0.050 U	-	-	-
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-	-	0.50 U	-	-	-
delta-BHC	µg/L	0.04	-	-	-	-	-	-	-	-	10 U	0.050 U	-	-	-
Dieldrin	µg/L	0.004	-	-	-	-	-	-	-	-	10 U	0.050 U	-	-	-
Endosulfan I	µg/L	-	-	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-
Endosulfan II	µg/L	-	-	-	-	-	-	-	-	-	20 U	0.017 J	-	-	-
Endosulfan sulfate	µg/L	-	-	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-
Endrin	µg/L	-	-	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-
Endrin aldehyde	µg/L	5	-	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-
Endrin ketone	µg/L	5	-	-	-	-	-	-	-	-	-	0.050 U	-	-	-
gamma-BHC (lindane)	µg/L	0.05	-	-	-	-	-	-	-	-	-	0.018 J	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	-	-	-	-	-	-	-	-	10 U	0.050 U	-	-	-
Heptachlor epoxide	µg/L	0.03	-	-	-	-	-	-	-	-	20 U	0.0034 J	-	-	-
Methoxychlor	µg/L	35	-	-	-	-	-	-	-	-	5 U	0.10 U	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-5*	*GT-6*	*GT-6*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*	*GT-7*
Sample ID:			*GW-18631-093009-RR-003*	*GT-6*	*GT-6*	*GT-7*	*GT-7*	*GT-7*	*GT-7-NY*	*GT-7*	*GT-7*	*GW-18631-RW-021*	*GW-18631-RW-22*	*GW-18631-100209-BP-010*	*GW-18631-101111-BP-003*
Sample Date:			*9/30/2009*	*8/4/1987*	*8/20/1987*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*12/13/1994*	*10/18/2001*	*4/4/2002*	*10/2/2009*	*10/11/2011*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***													
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-	-	2.0 U	-	-	-
Petroleum Products															
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	100 UJ	-	-	-	-	-	-	-	-	-	-	100 UJ	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	-	-	-	-	-	-	-	-	-	8700 J	490 U	-	-
General Chemistry															
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	-	-	-	-	-	-	-	1.3 B	-	10.0 U	-	-	-
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	-	-	-	-	-	-	-	-	-	10 U	-	-	-
Sulfide	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
- Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-7*	*GT-7*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*
Sample ID:			*GW-18631-101111-BP-004*	*GW-18631-120511-002*	*GT-8*	*GT-8*	*GT-8*	*GT-8-NY*	*GT-8*	*GW-18631-RW-016*	*GW-18631-RW-18*	*GW-18631-092909-RR-001*	*GW-18631-101211-AW-011*
Sample Date:			*10/11/2011*	*12/5/2011*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*10/17/2001*	*4/3/2002*	*9/29/2009*	*10/12/2011*
		NYSDEC GA Groundwater	*Duplicate*										
Parameters	***Units***	***Standards***											
Volatiles													
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
1,1,2-Trichloroethane	µg/L	1	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
1,1-Dichloroethane	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
1,1-Dichloroethene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
1,1-Dichloropropene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	1.0 U	1.0 U	-	-	-	-	-	-	-	-	10 U
1,2,4-Trichlorobenzene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
1,2,4-Trimethylbenzene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	-	-	-	**120**
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
1,2-Dichlorobenzene	µg/L	3	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
1,2-Dichloroethane	µg/L	0.6	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
1,3,5-Trimethylbenzene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	-	-	-	**58**
1,3-Dichlorobenzene	µg/L	3	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
1,3-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
2,2-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	5.0 U	5.0 U	-	-	-	-	-	5.0 UJ	5 U	5.0 U	50 U
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	5.0 U	5.0 U	-	-	-	-	-	5.0 UJ	5 UJ	5.0 U	50 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5 U	5.0 U	50 U
Acetone	µg/L	50	5.0 U	5.0 U	-	-	-	-	-	10 UJ	10 UJ	5.0 U	50 U
Benzene	µg/L	1	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
Bromobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
Bromoform	µg/L	50	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
Bromomethane (Methyl bromide)	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	2 U	1.0 UJ	10 U
Carbon disulfide	µg/L	6060	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
Carbon tetrachloride	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
Chlorobenzene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
Chlorobromomethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	2.0 UJ	2 U	1.0 U	10 U
Chloroform (Trichloromethane)	µg/L	7	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
Chloromethane (Methyl chloride)	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	2.0 U	2 UJ	1.0 U	10 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
cis-1,3-Dichloropropene	µg/L	-	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
Cyclohexane	µg/L	-	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
Dibromomethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
Ethylbenzene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-7*	*GT-7*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*
Sample ID:			*GW-18631-101111-BP-004*	*GW-18631-120511-002*	*GT-8*	*GT-8*	*GT-8*	*GT-8-NY*	*GT-8*	*GW-18631-RW-016*	*GW-18631-RW-18*	*GW-18631-092909-RR-001*	*GW-18631-101211-AW-011*
Sample Date:			*10/11/2011*	*12/5/2011*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*10/17/2001*	*4/3/2002*	*9/29/2009*	*10/12/2011*
		NYSDEC GA Groundwater	*Duplicate*										
Parameters	***Units***	***Standards***											
Isopropyl benzene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
Methyl cyclohexane	µg/L	-	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
Methyl tert butyl ether (MTBE)	µg/L	10	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
Methylene chloride	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	2.0 U	2 U	1.0 U	10 U
Naphthalene	µg/L	10	-	-	-	-	-	-	-	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
N-Propylbenzene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	-	-	-	170
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
Toluene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1.8	0.46 J	10 U
trans-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
trans-1,3-Dichloropropene	µg/L	-	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	1.0 U	1 U	1.0 U	10 U
Trichlorofluoromethane (CFC-11)	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
Trifluorotrichloroethane (Freon 113)	µg/L	5	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	10 U
Vinyl acetate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	1.0 U	1.0 U	-	-	-	-	-	2.0 U	2 U	1.0 U	10 U
Xylenes (total)	µg/L	5	3.0 U	3.0 U	-	-	-	-	-	3.0 U	3 U	3.0 U	55
Semi-volatiles													
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	10 U	10 U	-	-
1,2-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	10 U	10 U	-	-
1,2-Diphenylhydrazine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	10 U	10 U	-	-
1,4-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	10 U	10 U	-	-
1-Chloronaphthalene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	5	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	12 U	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	12 U	-
2,4-Dichlorophenol	µg/L	5	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
2,4-Dimethylphenol	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	12 U	-
2,4-Dinitrophenol	µg/L	10	-	-	-	-	-	-	-	50 U	50 UJ	58 U	-
2,4-Dinitrotoluene	µg/L	5	-	-	-	-	-	-	-	10 U	10 U	12 U	-
2,6-Dichlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	-	-	-	-	-	-	-	10 U	10 U	12 U	-
2-Chloronaphthalene	µg/L	10	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
2-Chlorophenol	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	12 U	-
2-Methylnaphthalene	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
2-Methylphenol	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	12 U	-
2-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	µg/L	5	-	-	-	-	-	-	-	50 U	50 U	58 U	-
2-Nitrophenol	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	12 U	-
2-Picoline	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-7*	*GT-7*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*
Sample ID:			*GW-18631-101111-BP-004*	*GW-18631-120511-002*	*GT-8*	*GT-8*	*GT-8*	*GT-8-NY*	*GT-8*	*GW-18631-RW-016*	*GW-18631-RW-18*	*GW-18631-092909-RR-001*	*GW-18631-101211-AW-011*
Sample Date:			*10/11/2011*	*12/5/2011*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*10/17/2001*	*4/3/2002*	*9/29/2009*	*10/12/2011*
		NYSDEC GA Groundwater	*Duplicate*										
Parameters	***Units***	***Standards***											
3,3'-Dichlorobenzidine	µg/L	5	-	-	-	-	-	-	-	50 U	R	12 U	-
3-Methylcholanthrene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	µg/L	5	-	-	-	-	-	-	-	50 U	50 U	58 U	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	-	-	-	-	50 U	50 UJ	58 U	-
4-Aminobiphenyl	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	12 U	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	12 U	-
4-Chloroaniline	µg/L	5	-	-	-	-	-	-	-	10 U	10 U	12 U	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	12 U	-
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	12 U	-
4-Nitroaniline	µg/L	5	-	-	-	-	-	-	-	50 U	50 U	58 U	-
4-Nitrophenol	µg/L	-	-	-	-	-	-	-	-	50 U	50 U	58 U	-
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	µg/L	20	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Acenaphthylene	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Acetophenone	µg/L	-	-	-	-	-	-	-	-	-	-	12 U	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Atrazine	µg/L	7.5	-	-	-	-	-	-	-	-	-	12 U	-
Benzaldehyde	µg/L	-	-	-	-	-	-	-	-	-	-	12 U	-
Benzidine	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Benzo(a)pyrene	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Benzo(b)fluoranthene	µg/L	0.002	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Benzo(k)fluoranthene	µg/L	0.002	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	-	-	-	-	-	-	-	-	-	12 U	-
bis(2-Chloroethoxy)methane	µg/L	5	-	-	-	-	-	-	-	10 U	10 U	12 U	-
bis(2-Chloroethyl)ether	µg/L	1	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	-	-	-	-	-	-	420 D	10 U	10 U	12 U	-
Butyl benzylphthalate (BBP)	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	12 U	-
Caprolactam	µg/L	-	-	-	-	-	-	-	-	-	-	58 U	-
Carbazole	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	0.002	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	12 U	-
Diethyl phthalate	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	12 U	-
Dimethyl phthalate	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	12 U	-
Di-n-butylphthalate (DBP)	µg/L	50	-	-	-	-	-	-	3 U	10 U	10 U	12 U	-
Di-n-octyl phthalate (DnOP)	µg/L	50	-	-	-	-	-	-	12 U	10 U	10 U	12 U	-
Ethyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Fluorene	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Hexachlorobenzene	µg/L	0.04	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-7*	*GT-7*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*
Sample ID:			*GW-18631-101111-BP-004*	*GW-18631-120511-002*	*GT-8*	*GT-8*	*GT-8*	*GT-8-NY*	*GT-8*	*GW-18631-RW-016*	*GW-18631-RW-18*	*GW-18631-092909-RR-001*	*GW-18631-101211-AW-011*
Sample Date:			*10/11/2011*	*12/5/2011*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*10/17/2001*	*4/3/2002*	*9/29/2009*	*10/12/2011*
		NYSDEC	*Duplicate*										
		GA Groundwater											
Parameters	***Units***	***Standards***											
Hexachlorocyclopentadiene	µg/L	5	-	-	-	-	-	-	-	50 U	50 U	12 U	-
Hexachloroethane	µg/L	5	-	-	-	-	-	-	-	10 U	10 U	12 U	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Isophorone	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	12 U	-
Methyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	10	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Nitrobenzene	µg/L	0.4	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
N-Nitrosodiphenylamine	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
N-Nitrosopiperidine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	µg/L	1	-	-	-	-	-	-	-	50 U	50 U	12 U	-
Phenacetin	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Phenol	µg/L	1	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	2.3 U	-
Pyridine	µg/L	50	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-	-	-	-
Metals													
Aluminum	µg/L	-	-	-	-	-	-	-	24500	18300	1300	-	-
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	29.3 B	-	-	-	-
Antimony	µg/L	3	-	-	-	-	-	-	-	4.1 U	60 U	-	-
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	-	-	-	-	-	-	9.3 J	10.1	10 U	-	-
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	1000	-	-	-	-	-	1440	230	154	37.9	-	-
Barium (dissolved)	µg/L	1000	-	-	-	-	-	-	28.5 B	-	-	-	-
Beryllium	µg/L	3	-	-	-	-	-	100	1.6 B	1.1 U	5 U	-	-
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	-	-	-	-	-	-	-	0.63 U	5 U	-	-
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Calcium	µg/L	-	-	-	-	-	-	-	190000	106000 J	82600	-	-
Calcium (dissolved)	µg/L	-	-	-	-	-	-	-	82400	-	-	-	-
Chromium	µg/L	50	-	-	-	-	-	177	30.7	20.8	10 U	-	-
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	-	-	-	-	28 B	15.3	50 U	-	-
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	-	-	-	-	-	-	65.1	32.7	2.5	-	-
Copper (dissolved)	µg/L	200	-	-	-	-	-	-	-	-	-	-	-
Iron	µg/L	300	-	-	-	-	-	-	57800 J	32400	1520	-	-
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	65.2 J	-	-	-	-
Lead	µg/L	25	-	-	-	-	-	447	30.9	16.2	3 U	-	-
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	1 B	-	-	-	-
Magnesium	µg/L	35000	-	-	-	-	-	-	25900	15000	9160	-	-
Magnesium (dissolved)	µg/L	35000	-	-	-	-	-	-	8770	-	-	-	-
Manganese	µg/L	300	-	-	-	-	-	-	1740	761	38.4	-	-
Manganese (dissolved)	µg/L	300	-	-	-	-	-	-	3 B	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-7*	*GT-7*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*
Sample ID:			*GW-18631-101111-BP-004*	*GW-18631-120511-002*	*GT-8*	*GT-8*	*GT-8*	*GT-8-NY*	*GT-8*	*GW-18631-RW-016*	*GW-18631-RW-18*	*GW-18631-092909-RR-001*	*GW-18631-101211-AW-011*
Sample Date:			*10/11/2011*	*12/5/2011*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*10/17/2001*	*4/3/2002*	*9/29/2009*	*10/12/2011*
		NYSDEC	*Duplicate*										
		GA Groundwater											
Parameters	***Units***	***Standards***											
Mercury	µg/L	0.7	-	-	-	-	-	-	-	0.062 U	0.2 U	-	-
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	-	-	-	-	-	-	53.6	23.0	3.3	-	-
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-	-	-
Potassium	µg/L	-	-	-	-	-	-	-	5160	5920	798	-	-
Potassium (dissolved)	µg/L	-	-	-	-	-	-	-	1060 B	-	-	-	-
Selenium	µg/L	10	-	-	-	-	-	-	-	5.8	5 U	-	-
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	-	-	-	-	-	-	-	0.75 U	1.5	-	-
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	-	-	-	-	-	-	4740 B	4040	3630	-	-
Sodium (dissolved)	µg/L	20000	-	-	-	-	-	-	3880 B	-	-	-	-
Thallium	µg/L	0.5	-	-	-	-	-	-	-	5.7 U	10 U	-	-
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	-	-	-	-	-	-	55.2	38.3	2.8	-	-
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	-	-	-	-	-	-	186	85.9	8.6	-	-
Zinc (dissolved)	µg/L	2000	-	-	-	-	-	-	6.1 J	-	-	-	-
PCBs													
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	-	-	-	-	-	-	-	1.0 U	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	-	-	-	-	-	-	-	1.0 U	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	-	-	-	-	-	-	-	1.0 U	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	-	-	-	-	-	-	-	1.0 U	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	-	-	-	-	-	-	-	1.0 U	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	-	-	-	-	-	-	-	1.0 U	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	-	-	-	-	-	-	-	1.0 U	-	-	-
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-	-	-	-
Pesticides													
4,4'-DDD	µg/L	0.3	-	-	-	-	-	-	-	0.050 U	-	-	-
4,4'-DDE	µg/L	0.2	-	-	-	-	-	-	-	0.050 U	-	-	-
4,4'-DDT	µg/L	0.2	-	-	-	-	-	-	-	0.050 U	-	-	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	0.050 U	-	-	-
alpha-BHC	µg/L	0.01	-	-	-	-	-	-	-	0.050 U	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	-	-	-	-	-	-	-	0.050 U	-	-	-
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	0.50 U	-	-	-
delta-BHC	µg/L	0.04	-	-	-	-	-	-	-	0.050 U	-	-	-
Dieldrin	µg/L	0.004	-	-	-	-	-	-	-	0.050 U	-	-	-
Endosulfan I	µg/L	-	-	-	-	-	-	-	-	0.050 U	-	-	-
Endosulfan II	µg/L	-	-	-	-	-	-	-	-	0.050 U	-	-	-
Endosulfan sulfate	µg/L	-	-	-	-	-	-	-	-	0.050 U	-	-	-
Endrin	µg/L	-	-	-	-	-	-	-	-	0.050 U	-	-	-
Endrin aldehyde	µg/L	5	-	-	-	-	-	-	-	0.050 U	-	-	-
Endrin ketone	µg/L	5	-	-	-	-	-	-	-	0.050 U	-	-	-
gamma-BHC (lindane)	µg/L	0.05	-	-	-	-	-	-	-	0.050 U	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	-	-	-	-	-	-	-	0.050 U	-	-	-
Heptachlor epoxide	µg/L	0.03	-	-	-	-	-	-	-	0.050 U	-	-	-
Methoxychlor	µg/L	35	-	-	-	-	-	-	-	0.10 U	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-7*	*GT-7*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*	*GT-8*
Sample ID:			*GW-18631-101111-BP-004*	*GW-18631-120511-002*	*GT-8*	*GT-8*	*GT-8*	*GT-8-NY*	*GT-8*	*GW-18631-RW-016*	*GW-18631-RW-18*	*GW-18631-092909-RR-001*	*GW-18631-101211-AW-011*
Sample Date:			*10/11/2011*	*12/5/2011*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*10/17/2001*	*4/3/2002*	*9/29/2009*	*10/12/2011*
		NYSDEC	*Duplicate*										
		GA Groundwater											
Parameters	***Units***	***Standards***											
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	2.0 U	-	-	-
Petroleum Products													
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	-	-	-	-	-	-	-	-	-	100 UJ	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	-	-	-	-	-	-	-	480 U	500 U	-	-
General Chemistry													
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	-	-	-	-	-	-	-	10.0 U	-	-	-
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	-	-	-	-	-	-	-	10 U	-	-	-
Sulfide	µg/L	50	-	-	-	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
- Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-8*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*
Sample ID:			*GW-18631-120711-012*	*GT-9*	*GT-9*	*GT-9*	*GT-9-NY*	*GT-9*	*GT-9*	*GT-9*	*GW-18631-RW-003*	*GW-18631-RW-05*	*GW-18631-100509-RR-025*	*GW-18631-122209-RR-001*	*GW-18631-120911-014*
Sample Date:			*12/7/2011*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*9/1/1993*	*12/14/1994*	*10/16/2001*	*4/2/2002*	*10/5/2009*	*12/22/2009*	*12/9/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*													
Volatiles															
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	20 U	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	5	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	5	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,1-Dichloropropene	µg/L	5	-	-	-	-	-	-	-	20 U	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	20 U	-	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	1.0 U	-	-	-	-	-	-	20 U	-	1 U	1.0 U	1.0 UJ	1.0 U
1,2,4-Trichlorobenzene	µg/L	5	1.0 U	-	-	-	-	-	-	20 U	-	-	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	µg/L	5	1.0 U	-	-	-	-	-	-	**1540**	-	**380 J**	1.0 U	0.17 J	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	1.0 U	-	-	-	-	-	-	20 U	-	-	1.0 UJ	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	1.0 U	-	-	-	-	-	-	20 U	-	-	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	3	1.0 U	-	-	-	-	-	-	20 U	-	-	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.6	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	5	1.0 U	-	-	-	-	-	-	**1690**	-	**230**	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	3	1.0 U	-	-	-	-	-	-	20 U	-	-	1.0 U	1.0 U	1.0 U
1,3-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	20 U	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	1.0 U	-	-	-	-	-	-	20 U	-	-	1.0 U	1.0 U	1.0 U
2,2-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	20 U	-	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	-	-	-	20 U	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	5.0 U	-	-	-	-	-	10 U	-	5.0 U	5 UJ	5.0 U	5.0 U	5.0 U
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	5.0 U	-	-	-	-	-	10 U	-	5.0 U	5 UJ	5.0 U	5.0 U	5.0 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	-	-	-	20 U	-	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	5.0 U	-	-	-	-	-	10 U	-	5.0 U	5 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	50	5.0 U	-	-	-	-	-	10 U	-	10 UJ	10 UJ	5.0 U	5.0 U	5.0 U
Benzene	µg/L	1	1.0 U	-	-	**141**	**170**	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Bromobenzene	µg/L	5	-	-	-	-	-	-	-	20 U	-	-	-	-	-
Bromodichloromethane	µg/L	50	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	50	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 UJ	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5	1.0 U	-	-	-	-	-	10 U	20 U	1.0 U	2 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	6060	1.0 U	-	-	-	-	-	5 U	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	1.0 U	-	-	-	-	-	5 U	20 U	1.0 UJ	1 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	5	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Chlorobromomethane	µg/L	5	-	-	-	-	-	-	-	20 U	-	-	-	-	-
Chloroethane	µg/L	5	1.0 U	-	-	-	-	-	10 U	50 U	2.0 UJ	2 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	7	1.0 U	-	-	-	-	-	5 U	50 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5	1.0 U	-	-	-	-	-	10 U	100 U	2.0 U	2 U	1.0 U	0.95 J	1.0 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	-	1.0 U	-	-	-	-	-	5 U	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	-	1.0 U	-	-	-	-	-	-	-	-	-	1.0 U	1.0 U	1.0 U
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	-	-	-	20 U	-	-	-	-	-
Dibromochloromethane	µg/L	50	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Dibromomethane	µg/L	5	-	-	-	-	-	-	-	20 U	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	1.0 U	-	-	-	-	-	-	100 U	-	-	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	5	1.0 U	-	-	-	-	-	5 U	**23.3**	1.0 U	**8.4**	1.0 U	1.0 U	1.0 U
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	20 U	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-8*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*
Sample ID:			*GW-18631-120711-012*	*GT-9*	*GT-9*	*GT-9*	*GT-9-NY*	*GT-9*	*GT-9*	*GT-9*	*GW-18631-RW-003*	*GW-18631-RW-05*	*GW-18631-100509-RR-025*	*GW-18631-122209-RR-001*	*GW-18631-120911-014*
Sample Date:			*12/7/2011*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*9/1/1993*	*12/14/1994*	*10/16/2001*	*4/2/2002*	*10/5/2009*	*12/22/2009*	*12/9/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*													
Isopropyl benzene	µg/L	5	1.0 U	-	-	-	-	-	-	**146**	-	**69**	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	1.0 U	-	-	-	-	-	-	-	-	-	1.0 U	1.0 U	1.0 U
Methyl cyclohexane	µg/L	-	1.0 U	-	-	-	-	-	-	-	-	-	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	10	1.0 U	-	-	-	-	-	-	50 U	-	-	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	5	1.0 U	-	-	-	-	-	5 U	100 U	2.0 U	2 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	10	-	-	-	-	-	-	-	**20 TBQ**	-	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	20 U	-	-	-	-	-
N-Propylbenzene	µg/L	5	1.0 U	-	-	-	-	-	-	**225**	-	**62**	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	5	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	0.37 J	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	5	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	-	1.0 U	-	-	-	-	-	5 U	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	5	1.0 U	-	-	-	-	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	5	1.0 U	-	-	-	-	-	-	20 U	-	-	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	5	1.0 U	-	-	-	-	-	-	-	-	-	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-
Vinyl chloride	µg/L	2	1.0 U	-	-	-	-	-	10 U	100 U	2.0 U	2 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	5	3.0 U	-	-	**93**	**36**	**6300**	**150**	**1040**	**8.2**	**96**	3.0 U	3.0 U	3.0 U
Semi-volatiles															
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	2 U	10 U	10 U	-	-	-
1,2-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	2 U	10 U	10 U	-	-	-
1,2-Diphenylhydrazine	µg/L	-	-	-	-	-	-	-	-	2 U	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	2 U	10 U	10 U	-	-	-
1,4-Dichlorobenzene	µg/L	3	-	-	-	-	-	-	-	2 U	10 U	10 U	-	-	-
1-Chloronaphthalene	µg/L	-	-	-	-	-	-	-	-	2 U	-	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	5	-	-	-	-	-	**1500 E**	-	10 U	10 U	10 U	2.0 U	-	-
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	-	-	-	20 U	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	9.9 U	-	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	9.9 U	-	-
2,4-Dichlorophenol	µg/L	5	-	-	-	-	-	-	5 U	5 U	10 U	10 U	2.0 U	-	-
2,4-Dimethylphenol	µg/L	50	-	-	-	-	-	-	5 U	5 U	10 U	3.1 J	9.9 U	-	-
2,4-Dinitrophenol	µg/L	10	-	-	-	-	-	-	25 U	-	50 U	50 UJ	50 U	-	-
2,4-Dinitrotoluene	µg/L	5	-	-	-	-	-	-	-	5 U	10 U	10 U	9.9 U	-	-
2,6-Dichlorophenol	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	-	-	-	-	-	-	-	5 U	10 U	10 U	9.9 U	-	-
2-Chloronaphthalene	µg/L	10	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
2-Chlorophenol	µg/L	-	-	-	-	-	-	-	5 U	5 U	10 U	10 U	9.9 U	-	-
2-Methylnaphthalene	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
2-Methylphenol	µg/L	-	-	-	-	-	-	-	5 U	5 U	10 U	10 U	9.9 U	-	-
2-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-
2-Nitroaniline	µg/L	5	-	-	-	-	-	-	-	20 U	50 U	50 U	50 U	-	-
2-Nitrophenol	µg/L	-	-	-	-	-	-	-	5 U	10 U	10 U	10 U	9.9 U	-	-
2-Picoline	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-8*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*
Sample ID:			*GW-18631-120711-012*	*GT-9*	*GT-9*	*GT-9*	*GT-9-NY*	*GT-9*	*GT-9*	*GT-9*	*GW-18631-RW-003*	*GW-18631-RW-05*	*GW-18631-100509-RR-025*	*GW-18631-122209-RR-001*	*GW-18631-120911-014*
Sample Date:			*12/7/2011*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*9/1/1993*	*12/14/1994*	*10/16/2001*	*4/2/2002*	*10/5/2009*	*12/22/2009*	*12/9/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*													
3,3'-Dichlorobenzidine	µg/L	5	-	-	-	-	-	-	-	5 U	50 U	50 U	9.9 U	-	-
3-Methylcholanthrene	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-
3-Nitroaniline	µg/L	5	-	-	-	-	-	-	-	20 U	50 U	50 U	50 U	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	-	-	-	-	50 U	50 U	50 UJ	50 U	-	-
4-Aminobiphenyl	µg/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	9.9 U	-	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U	9.9 U	-	-
4-Chloroaniline	µg/L	5	-	-	-	-	-	-	-	5 U	10 U	10 U	9.9 U	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	9.9 U	-	-
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	-	-	-	25 U	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-	-	-	-	5 U	-	10 U	10 U	9.9 U	-	-
4-Nitroaniline	µg/L	5	-	-	-	-	-	1300 E	-	20 U	50 U	50 U	50 U	-	-
4-Nitrophenol	µg/L	-	-	-	-	-	-	-	25 U	-	50 U	50 U	50 U	-	-
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-
Acenaphthene	µg/L	20	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
Acenaphthylene	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
Acetophenone	µg/L	-	-	-	-	-	-	-	-	2 U	-	-	9.9 U	-	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-
Anthracene	µg/L	50	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
Atrazine	µg/L	7.5	-	-	-	-	-	-	-	-	-	-	9.9 U	-	-
Benzaldehyde	µg/L	-	-	-	-	-	-	-	-	-	-	-	9.9 U	-	-
Benzidine	µg/L	5	-	-	-	-	-	-	-	10 U	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
Benzo(a)pyrene	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
Benzo(b)fluoranthene	µg/L	0.002	-	-	-	-	-	-	-	-	10 U	10 U	2.0 U	-	-
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-	-	-	2 U	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
Benzo(k)fluoranthene	µg/L	0.002	-	-	-	-	-	-	-	-	10 U	10 U	2.0 U	-	-
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	-	-	-	-	-	-	-	-	-	-	9.9 U	-	-
bis(2-Chloroethoxy)methane	µg/L	5	-	-	-	-	-	-	-	2 U	10 U	10 U	9.9 U	-	-
bis(2-Chloroethyl)ether	µg/L	1	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	-	-	-	-	-	1 U	-	10 U	10 U	10 U	9.9 U	-	-
Butyl benzylphthalate (BBP)	µg/L	50	-	-	-	-	-	5	-	10 U	10 U	10 U	9.9 U	-	-
Caprolactam	µg/L	-	-	-	-	-	-	-	-	-	-	-	50 U	-	-
Carbazole	µg/L	-	-	-	-	-	-	-	-	-	10 U	10 U	2.0 U	-	-
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	30 U	-	-	-	-	-
Chrysene	µg/L	0.002	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	-	-	-	2 U	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	-	-	-	-	2 U	10 U	10 U	9.9 U	-	-
Diethyl phthalate	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	10 U	9.9 U	-	-
Dimethyl phthalate	µg/L	50	-	-	-	-	-	-	-	10 U	10 U	10 U	9.9 U	-	-
Di-n-butylphthalate (DBP)	µg/L	50	-	-	-	-	-	6 U	-	10 U	10 U	10 U	9.9 U	-	-
Di-n-octyl phthalate (DnOP)	µg/L	50	-	-	-	-	-	3 U	-	10 U	10 U	10 U	9.9 U	-	-
Ethyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-
Fluoranthene	µg/L	50	-	-	-	-	-	0.5 J	-	2 U	10 U	10 U	2.0 U	-	-
Fluorene	µg/L	50	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
Hexachlorobenzene	µg/L	0.04	-	-	-	-	-	-	-	5 U	10 U	10 U	2.0 U	-	-
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	5 U	10 U	10 U	2.0 U	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-8*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*
Sample ID:			*GW-18631-120711-012*	*GT-9*	*GT-9*	*GT-9*	*GT-9-NY*	*GT-9*	*GT-9*	*GT-9*	*GW-18631-RW-003*	*GW-18631-RW-05*	*GW-18631-100509-RR-025*	*GW-18631-122209-RR-001*	*GW-18631-120911-014*
Sample Date:			*12/7/2011*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*9/1/1993*	*12/14/1994*	*10/16/2001*	*4/2/2002*	*10/5/2009*	*12/22/2009*	*12/9/2011*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***													
Hexachlorocyclopentadiene	µg/L	5	-	-	-	-	-	-	-	20 U	50 U	50 U	9.9 U	-	-
Hexachloroethane	µg/L	5	-	-	-	-	-	-	-	5 U	10 U	10 U	9.9 U	-	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
Isophorone	µg/L	50	-	-	-	-	-	110	-	2 U	10 U	10 U	9.9 U	-	-
Methyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-
Naphthalene	µg/L	10	-	-	-	-	-	-	-	4.4	10 U	10 U	2.0 U	-	-
Nitrobenzene	µg/L	0.4	-	-	-	-	-	-	-	5 U	10 U	10 U	2.0 U	-	-
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	-	-	5100 E	-	10 U	10 U	10 U	2.0 U	-	-
N-Nitrosodiphenylamine	µg/L	50	-	-	-	-	-	-	-	-	10 U	10 U	2.0 U	-	-
N-Nitrosopiperidine	µg/L	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-
Pentachlorophenol	µg/L	1	-	-	-	-	-	-	25 U	50 U	50 U	50 U	9.9 U	-	-
Phenacetin	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-
Phenanthrene	µg/L	50	-	-	-	-	-	-	-	2 U	10 U	10 U	2.0 U	-	-
Phenol	µg/L	1	-	-	-	-	5	-	5 U	5 U	10 U	10 U	2.0 U	-	-
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	-	-	-	-	5 U	-	-	-	-	-
Pyrene	µg/L	50	-	-	-	-	-	0.4 J	-	2 U	10 U	10 U	2.0 U	-	-
Pyridine	µg/L	50	-	-	-	-	-	-	-	10 U	-	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	20 U	-	-	-	-	-
Metals															
Aluminum	µg/L	-	-	-	-	-	-	3310	-	-	40.1 U	546	-	-	-
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	3	-	-	-	-	-	-	-	-	4.4	60 U	-	-	-
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	-	-	-	-	-	2.2 J	-	-	2.0	10 U	-	-	-
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	1000	-	-	-	-	-	88.2 B	-	-	25.5	22.4	-	-	-
Barium (dissolved)	µg/L	1000	-	-	-	-	-	59.3 B	-	-	-	-	-	-	-
Beryllium	µg/L	3	-	-	-	-	4	-	-	-	0.077 U	5 U	-	-	-
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	-	-	-	-	-	-	-	-	0.63 U	5 U	-	-	-
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	µg/L	-	-	-	-	-	-	152000	-	-	67400 J	118000	-	-	-
Calcium (dissolved)	µg/L	-	-	-	-	-	-	142000	-	-	-	-	-	-	-
Chromium	µg/L	50	-	-	-	-	-	5.7 B	-	-	1.3	10 U	-	-	-
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	-	-	-	-	-	-	2.6 U	2.6	-	-	-
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	-	-	-	-	-	11.2 B	-	-	5.0	4.8	-	-	-
Copper (dissolved)	µg/L	200	-	-	-	-	-	3.9 B	-	-	-	-	-	-	-
Iron	µg/L	300	-	-	-	-	-	6980 J	-	-	52.3	877	-	-	-
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	25	-	-	-	-	57	6.6	-	-	2.4	2.5	-	-	-
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	µg/L	35000	-	-	-	-	-	18800	-	-	4530	10600	-	-	-
Magnesium (dissolved)	µg/L	35000	-	-	-	-	-	16600	-	-	-	-	-	-	-
Manganese	µg/L	300	-	-	-	-	-	1280	-	-	46.4	1280	-	-	-
Manganese (dissolved)	µg/L	300	-	-	-	-	-	868	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-8*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*
Sample ID:			*GW-18631-120711-012*	*GT-9*	*GT-9*	*GT-9*	*GT-9-NY*	*GT-9*	*GT-9*	*GT-9*	*GW-18631-RW-003*	*GW-18631-RW-05*	*GW-18631-100509-RR-025*	*GW-18631-122209-RR-001*	*GW-18631-120911-014*
Sample Date:			*12/7/2011*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*9/1/1993*	*12/14/1994*	*10/16/2001*	*4/2/2002*	*10/5/2009*	*12/22/2009*	*12/9/2011*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***													
Mercury	µg/L	0.7	-	-	-	-	-	-	-	-	0.054 U	0.2 U	-	-	-
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	-	-	-	-	-	-	-	-	7.9 U	5.1	-	-	-
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	µg/L	-	-	-	-	-	-	1730 B	-	-	1540	1000	-	-	-
Potassium (dissolved)	µg/L	-	-	-	-	-	-	670 B	-	-	-	-	-	-	-
Selenium	µg/L	10	-	-	-	-	-	-	-	-	3.2 U	5 U	-	-	-
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	-	-	-	-	-	-	-	-	0.75 U	10 U	-	-	-
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	-	-	-	-	-	8660	-	-	8160	**39400**	-	-	-
Sodium (dissolved)	µg/L	20000	-	-	-	-	-	8700	-	-	-	-	-	-	-
Thallium	µg/L	0.5	-	-	-	-	-	-	-	-	5.7 U	10 U	-	-	-
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	-	-	-	-	-	8.1 B	-	-	4.1 U	50 U	-	-	-
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	-	-	-	-	-	76.5 J	-	-	15.9 U	25.1	-	-	-
Zinc (dissolved)	µg/L	2000	-	-	-	-	-	23.5 J	-	-	-	-	-	-	-
PCBs															
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	-	-	-	-	-	-	-	30 U	1.0 U	-	-	-	-
Total PCBs	µg/L	0.9	-	-	-	-	**3**	-	-	-	-	-	-	-	-
Pesticides															
4,4'-DDD	µg/L	0.3	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-	-
4,4'-DDE	µg/L	0.2	-	-	-	-	-	-	-	20 U	0.0052 J	-	-	-	-
4,4'-DDT	µg/L	0.2	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	-	0.050 U	-	-	-	-
alpha-BHC	µg/L	0.01	-	-	-	-	-	-	-	10 U	0.050 U	-	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	-	-	-	-	-	-	-	-	0.050 U	-	-	-	-
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-	0.50 U	-	-	-	-
delta-BHC	µg/L	0.04	-	-	-	-	-	-	-	10 U	0.050 U	-	-	-	-
Dieldrin	µg/L	0.004	-	-	-	-	-	-	-	10 U	**0.0056 J**	-	-	-	-
Endosulfan I	µg/L	-	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-	-
Endosulfan II	µg/L	-	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-	-
Endosulfan sulfate	µg/L	-	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-	-
Endrin	µg/L	-	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-	-
Endrin aldehyde	µg/L	5	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-	-
Endrin ketone	µg/L	5	-	-	-	-	-	-	-	-	0.050 U	-	-	-	-
gamma-BHC (lindane)	µg/L	0.05	-	-	-	-	-	-	-	-	0.050 U	-	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	-	-	-	-	-	-	-	10 U	0.050 U	-	-	-	-
Heptachlor epoxide	µg/L	0.03	-	-	-	-	-	-	-	20 U	0.050 U	-	-	-	-
Methoxychlor	µg/L	35	-	-	-	-	-	-	-	5 U	0.10 U	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-8*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*	*GT-9*
Sample ID:			*GW-18631-120711-012*	*GT-9*	*GT-9*	*GT-9*	*GT-9-NY*	*GT-9*	*GT-9*	*GT-9*	*GW-18631-RW-003*	*GW-18631-RW-05*	*GW-18631-100509-RR-025*	*GW-18631-122209-RR-001*	*GW-18631-120911-014*
Sample Date:			*12/7/2011*	*8/4/1987*	*8/21/1987*	*9/9/1988*	*9/9/1988*	*9/8/1992*	*9/1/1993*	*12/14/1994*	*10/16/2001*	*4/2/2002*	*10/5/2009*	*12/22/2009*	*12/9/2011*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***													
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-	2.0 U	-	-	-	-
Petroleum Products															
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	-	-	-	-	-	-	-	-	-	-	100 U	-	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	-	-	-	-	-	-	-	-	360 J	2800	-	-	-
General Chemistry															
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	-	-	-	-	-	19.6	-	-	10.0 U	-	-	-	-
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	-	-	-	-	-	-	-	-	10 U	-	-	-	-
Sulfide	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
- Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-11*	*GT-11*	*GT-11*	*GT-12*	*GT-12*	*GT-12*
Sample ID:			*GT-10*	*GT-10*	*GW-18631-RW-010*	*GW-18631-RW-15*	*GW-18631-100509-BP-012*	*GW-18631-101111-AW-001*	*GW-18631-120611-006*	*GT-11*	*GT-11*	*GT-11-NY*	*GT-12*	*GT-12*	*GW-18631-RW-009*
Sample Date:			*2/18/1988*	*9/8/1992*	*10/17/2001*	*4/3/2002*	*10/5/2009*	*10/11/2011*	*12/6/2011*	*2/18/1988*	*9/9/1988*	*9/9/1988*	*2/18/1988*	*9/8/1992*	*10/17/2001*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*													
Volatiles															
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	-	-	1.0 U	1 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 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
1,1,2-Trichloroethane	µg/L	1	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
1,1-Dichloroethane	µg/L	5	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
1,1-Dichloroethene	µg/L	5	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
1,1-Dichloropropene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	-	-	-	-	-	1.0 U	1.0 U	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	-	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/L	5	-	-	-	-	-	1.0 U	1.0 U	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	-	-	-	-	1.0 UJ	1.0 U	1.0 U	-	-	-	-	-	-
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	-	-	-	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-
1,2-Dichlorobenzene	µg/L	3	-	-	-	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-
1,2-Dichloroethane	µg/L	0.6	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
1,3,5-Trimethylbenzene	µg/L	5	-	-	-	-	-	1.0 U	1.0 U	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	-	-	-	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-
1,3-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	-	-	-	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-
2,2-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	-	-	5.0 U	5 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	-	-	5.0 U	5 UJ	5.0 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	-	-	5.0 U	5 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U
Acetone	µg/L	50	-	-	10 UJ	10 UJ	3.3 J	5.0 U	5.0 U	-	-	-	-	-	10 UJ
Benzene	µg/L	1	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
Bromobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
Bromoform	µg/L	50	-	-	1.0 U	1 U	1.0 UJ	1.0 U	1.0 U	-	-	-	-	-	1.0 U
Bromomethane (Methyl bromide)	µg/L	5	-	-	1.0 U	2 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
Carbon disulfide	µg/L	6060	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
Carbon tetrachloride	µg/L	5	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
Chlorobenzene	µg/L	5	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
Chlorobromomethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	µg/L	5	-	-	2.0 U	2 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	2.0 U
Chloroform (Trichloromethane)	µg/L	7	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
Chloromethane (Methyl chloride)	µg/L	5	-	-	2.0 U	2 UJ	1.0 U	1.0 U	1.0 U	-	-	-	-	-	2.0 U
cis-1,2-Dichloroethene	µg/L	5	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
cis-1,3-Dichloropropene	µg/L	-	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
Cyclohexane	µg/L	-	-	-	-	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
Dibromomethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	-	-	-	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-
Ethylbenzene	µg/L	5	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-11*	*GT-11*	*GT-11*	*GT-12*	*GT-12*	*GT-12*
Sample ID:			*GT-10*	*GT-10*	*GW-18631-RW-010*	*GW-18631-RW-15*	*GW-18631-100509-BP-012*	*GW-18631-101111-AW-001*	*GW-18631-120611-006*	*GT-11*	*GT-11*	*GT-11-NY*	*GT-12*	*GT-12*	*GW-18631-RW-009*
Sample Date:			*2/18/1988*	*9/8/1992*	*10/17/2001*	*4/3/2002*	*10/5/2009*	*10/11/2011*	*12/6/2011*	*2/18/1988*	*9/9/1988*	*9/9/1988*	*2/18/1988*	*9/8/1992*	*10/17/2001*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*													
Isopropyl benzene	µg/L	5	-	-	-	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	-	-	-	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-
Methyl cyclohexane	µg/L	-	-	-	-	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	µg/L	10	-	-	-	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-
Methylene chloride	µg/L	5	-	-	2.0 U	2 U	0.28 J	1.0 U	1.0 U	-	-	-	-	-	2.0 U
Naphthalene	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Propylbenzene	µg/L	5	-	-	-	-	-	1.0 U	1.0 U	-	-	-	-	-	-
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	5 J	1.0 U
Toluene	µg/L	5	-	-	1.0 U	0.26 J	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
trans-1,2-Dichloroethene	µg/L	5	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
trans-1,3-Dichloropropene	µg/L	-	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Trichloroethene	µg/L	5	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	5	-	-	-	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	µg/L	5	-	-	-	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-
Vinyl acetate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	-	-	2.0 U	2 U	1.0 U	1.0 U	1.0 U	-	-	-	-	-	2.0 U
Xylenes (total)	µg/L	5	-	-	3.0 U	3 U	3.0 U	3.0 U	3.0 U	-	-	-	-	-	3.0 U
Semi-volatiles															
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	10 U	10 U	-	-	-	-	-	-	-	-	10 U
1,2-Dichlorobenzene	µg/L	3	-	-	10 U	10 U	-	-	-	-	-	-	-	-	10 U
1,2-Diphenylhydrazine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	-	-	10 U	10 U	-	-	-	-	-	-	-	-	10 U
1,4-Dichlorobenzene	µg/L	3	-	-	10 U	10 U	-	-	-	-	-	-	-	-	10 U
1-Chloronaphthalene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	5	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
2,4,6-Trichlorophenol	µg/L	-	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
2,4-Dichlorophenol	µg/L	5	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
2,4-Dimethylphenol	µg/L	50	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
2,4-Dinitrophenol	µg/L	10	-	-	50 U	50 UJ	51 U	-	-	-	-	-	-	-	50 U
2,4-Dinitrotoluene	µg/L	5	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
2,6-Dichlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
2-Chloronaphthalene	µg/L	10	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
2-Chlorophenol	µg/L	-	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
2-Methylnaphthalene	µg/L	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
2-Methylphenol	µg/L	-	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
2-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	µg/L	5	-	-	50 U	50 U	51 U	-	-	-	-	-	-	-	50 U
2-Nitrophenol	µg/L	-	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
2-Picoline	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-11*	*GT-11*	*GT-11*	*GT-12*	*GT-12*	*GT-12*
Sample ID:			*GT-10*	*GT-10*	*GW-18631-RW-010*	*GW-18631-RW-15*	*GW-18631-100509-BP-012*	*GW-18631-101111-AW-001*	*GW-18631-120611-006*	*GT-11*	*GT-11*	*GT-11-NY*	*GT-12*	*GT-12*	*GW-18631-RW-009*
Sample Date:			*2/18/1988*	*9/8/1992*	*10/17/2001*	*4/3/2002*	*10/5/2009*	*10/11/2011*	*12/6/2011*	*2/18/1988*	*9/9/1988*	*9/9/1988*	*2/18/1988*	*9/8/1992*	*10/17/2001*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*													
3,3'-Dichlorobenzidine	µg/L	5	-	-	50 U	R	10 U	-	-	-	-	-	-	-	50 U
3-Methylcholanthrene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	µg/L	5	-	-	50 U	50 U	51 U	-	-	-	-	-	-	-	50 U
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	50 U	50 UJ	51 U	-	-	-	-	-	-	-	50 U
4-Aminobiphenyl	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
4-Chloro-3-methylphenol	µg/L	-	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
4-Chloroaniline	µg/L	5	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
4-Chlorophenyl phenyl ether	µg/L	-	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
4-Nitroaniline	µg/L	5	-	-	50 U	50 U	51 U	-	-	-	-	-	-	-	50 U
4-Nitrophenol	µg/L	-	-	-	50 U	50 U	51 U	-	-	-	-	-	-	-	50 U
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	µg/L	20	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Acenaphthylene	µg/L	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Acetophenone	µg/L	-	-	-	-	-	10 U	-	-	-	-	-	-	-	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	50	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Atrazine	µg/L	7.5	-	-	-	-	10 U	-	-	-	-	-	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-	10 U	-	-	-	-	-	-	-	-
Benzidine	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Benzo(a)pyrene	µg/L	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Benzo(b)fluoranthene	µg/L	0.002	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Benzo(k)fluoranthene	µg/L	0.002	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	3 U	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	-	-	-	-	10 U	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	5	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
bis(2-Chloroethyl)ether	µg/L	1	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	-	-	10 U	10 U	10 U	-	-	-	-	-	-	7 U	10 U
Butyl benzylphthalate (BBP)	µg/L	50	-	-	10 U	10 U	10 U	-	-	-	-	-	-	1 J	10 U
Caprolactam	µg/L	-	-	-	-	-	51 U	-	-	-	-	-	-	-	-
Carbazole	µg/L	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	0.002	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Dibenz(a,h)anthracene	µg/L	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
Diethyl phthalate	µg/L	50	-	-	10 U	10 U	10 U	-	-	-	-	-	-	2 U	10 U
Dimethyl phthalate	µg/L	50	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
Di-n-butylphthalate (DBP)	µg/L	50	-	-	10 U	10 U	10 U	-	-	-	-	-	-	10 U	10 U
Di-n-octyl phthalate (DnOP)	µg/L	50	-	-	10 U	10 U	10 U	-	-	-	-	-	-	7 U	10 U
Ethyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	50	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Fluorene	µg/L	50	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Hexachlorobenzene	µg/L	0.04	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Hexachlorobutadiene	µg/L	0.5	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-11*	*GT-11*	*GT-11*	*GT-12*	*GT-12*	*GT-12*
Sample ID:			*GT-10*	*GT-10*	*GW-18631-RW-010*	*GW-18631-RW-15*	*GW-18631-100509-BP-012*	*GW-18631-101111-AW-001*	*GW-18631-120611-006*	*GT-11*	*GT-11*	*GT-11-NY*	*GT-12*	*GT-12*	*GW-18631-RW-009*
Sample Date:			*2/18/1988*	*9/8/1992*	*10/17/2001*	*4/3/2002*	*10/5/2009*	*10/11/2011*	*12/6/2011*	*2/18/1988*	*9/9/1988*	*9/9/1988*	*2/18/1988*	*9/8/1992*	*10/17/2001*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***													
Hexachlorocyclopentadiene	µg/L	5	-	-	50 U	50 U	10 U	-	-	-	-	-	-	-	50 U
Hexachloroethane	µg/L	5	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
Indeno(1,2,3-cd)pyrene	µg/L	0.002	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Isophorone	µg/L	50	-	-	10 U	10 U	10 U	-	-	-	-	-	-	-	10 U
Methyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	10	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Nitrobenzene	µg/L	0.4	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
N-Nitrosodiphenylamine	µg/L	50	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
N-Nitrosopiperidine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	µg/L	1	-	-	50 U	50 U	10 U	-	-	-	-	-	-	-	50 U
Phenacetin	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	50	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Phenol	µg/L	1	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-	120	-	-	-
Pronamide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	50	-	-	10 U	10 U	2.0 U	-	-	-	-	-	-	-	10 U
Pyridine	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals															
Aluminum	µg/L	-	-	490	734 U	200 U	-	-	-	-	-	-	-	26000	213 U
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	3	-	-	4.1 U	60 U	-	-	-	-	-	-	-	-	4.1 U
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	-	-	2.0 U	10 U	-	-	-	-	21	-	-	4.7 J	2.0 U
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	1000	-	42.5	33.6	36.5	-	-	-	-	-	-	-	236	43.9
Barium (dissolved)	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	3	-	-	0.077 U	5 U	-	-	-	-	2	-	-	1.5 B	0.077 U
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	-	2.5	0.72	5 U	-	-	-	-	-	-	-	-	0.63 U
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	µg/L	-	-	109000	112000 J	122000	-	-	-	-	-	-	-	222000	131000 J
Calcium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	50	-	4.2	2.7	10 U	-	-	-	-	30	-	-	40.5	3.7
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	2.6 U	50 U	-	-	-	-	-	-	-	28.7 B	2.6 U
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	-	7	2.0 U	25 U	-	-	-	-	90	-	-	75.9	1.3 U
Copper (dissolved)	µg/L	200	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	µg/L	300	-	**1210**	**1060**	100 U	-	-	-	-	-	-	-	**67500 J**	**327**
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	25	-	2.9	3.1	3 U	-	-	-	-	**140**	**31**	-	**35.8**	1.8 U
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	µg/L	35000	-	11200	11200	12700	-	-	-	-	-	-	-	33600	13500
Magnesium (dissolved)	µg/L	35000	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	µg/L	300	-	67.9	25.6	15 U	-	-	-	-	-	-	-	**2020**	8.4
Manganese (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-11*	*GT-11*	*GT-11*	*GT-12*	*GT-12*	*GT-12*
Sample ID:			*GT-10*	*GT-10*	*GW-18631-RW-010*	*GW-18631-RW-15*	*GW-18631-100509-BP-012*	*GW-18631-101111-AW-001*	*GW-18631-120611-006*	*GT-11*	*GT-11*	*GT-11-NY*	*GT-12*	*GT-12*	*GW-18631-RW-009*
Sample Date:			*2/18/1988*	*9/8/1992*	*10/17/2001*	*4/3/2002*	*10/5/2009*	*10/11/2011*	*12/6/2011*	*2/18/1988*	*9/9/1988*	*9/9/1988*	*2/18/1988*	*9/8/1992*	*10/17/2001*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***													
Mercury	µg/L	0.7	-	-	0.086 U	0.2 U	-	-	-	-	-	-	-	-	0.054 U
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	-	-	7.9 U	40 U	-	-	-	-	80	-	-	53.4	7.9 U
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	µg/L	-	-	1040	755 U	496	-	-	-	-	-	-	-	4980 B	942 U
Potassium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	10	-	-	3.2 U	5 U	-	-	-	-	-	-	-	-	3.2 U
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	-	-	0.75 U	10 U	-	-	-	-	-	-	-	-	1.6
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	-	10100	3690	4370	-	-	-	-	-	-	-	**114000**	**31700**
Sodium (dissolved)	µg/L	20000	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	0.5	-	-	5.7 U	10 U	-	-	-	-	**70**	-	-	-	5.7 U
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	-	17.2	4.1 U	50 U	-	-	-	-	-	-	-	57	4.1 U
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	-	-	7.3 U	20 U	-	-	-	-	180	-	-	234 J	3.2 U
Zinc (dissolved)	µg/L	2000	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs															
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	-	-	1.0 U	-	-	-	-	-	-	-	-	-	1.0 U
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	-	-	1.0 U	-	-	-	-	-	-	-	-	-	1.0 U
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	-	-	1.0 U	-	-	-	-	-	-	-	-	-	1.0 U
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	-	-	1.0 U	-	-	-	-	-	-	-	-	-	1.0 U
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	-	-	1.0 U	-	-	-	-	-	-	-	-	-	1.0 U
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	-	-	1.0 U	-	-	-	-	-	-	-	-	-	1.0 U
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	-	-	1.0 U	-	-	-	-	-	-	-	-	-	1.0 U
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	0.050 U	-	-	-	-	-	-	-	-	-	0.050 U
alpha-BHC	µg/L	0.01	-	-	0.050 U	-	-	-	-	-	-	-	-	-	0.050 U
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	-	-	0.050 U	-	-	-	-	-	-	-	-	-	0.050 U
Chlordane	µg/L	0.05	-	-	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	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
gamma-BHC (lindane)	µg/L	0.05	-	-	0.050 U	-	-	-	-	-	-	-	-	-	0.050 U
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	-	-	0.050 U	-	-	-	-	-	-	-	-	-	0.050 U
Heptachlor epoxide	µg/L	0.03	-	-	0.050 U	-	-	-	-	-	-	-	-	-	0.050 U
Methoxychlor	µg/L	35	-	-	0.10 U	-	-	-	-	-	-	-	-	-	0.10 U

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-10*	*GT-11*	*GT-11*	*GT-11*	*GT-12*	*GT-12*	*GT-12*
Sample ID:			*GT-10*	*GT-10*	*GW-18631-RW-010*	*GW-18631-RW-15*	*GW-18631-100509-BP-012*	*GW-18631-101111-AW-001*	*GW-18631-120611-006*	*GT-11*	*GT-11*	*GT-11-NY*	*GT-12*	*GT-12*	*GW-18631-RW-009*
Sample Date:			*2/18/1988*	*9/8/1992*	*10/17/2001*	*4/3/2002*	*10/5/2009*	*10/11/2011*	*12/6/2011*	*2/18/1988*	*9/9/1988*	*9/9/1988*	*2/18/1988*	*9/8/1992*	*10/17/2001*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***													
Toxaphene	µg/L	0.06	-	-	2.0 U	-	-	-	-	-	-	-	-	-	2.0 U
Petroleum Products															
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	-	-	-	-	100 U	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	-	-	490 U	500 U	-	-	-	-	-	-	-	-	470 U
General Chemistry															
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	-	41.2	10.0 U	-	-	-	-	-	-	-	-	0.82 B	10.0 U
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	-	-	10 U	-	-	-	-	-	-	-	-	-	10 U
Sulfide	µg/L	50	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
- Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-12*	*GT-12*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-14*
Sample ID:			*GW-18631-RW-10*	*GW-18631-100609-BP-020*	*GT-13*	*GT-13*	*GT-13*	*GW-18631-RW-005*	*GW-18631-RW-08*	*GW-18631-100609-RR-029*	*GW-18631-101211-AW-007*	*GW-18631-120711-010*	*GT-14*
Sample Date:			*4/2/2002*	*10/6/2009*	*9/8/1992*	*9/2/1993*	*12/13/1994*	*10/16/2001*	*4/2/2002*	*10/6/2009*	*10/12/2011*	*12/7/2011*	*9/8/1992*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*											
Volatiles													
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	20 U	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
1,1,2,2-Tetrachloroethane	µg/L	5	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
1,1,2-Trichloroethane	µg/L	1	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
1,1-Dichloroethane	µg/L	5	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
1,1-Dichloroethene	µg/L	5	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
1,1-Dichloropropene	µg/L	5	-	-	-	-	20 U	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	20 U	-	-	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	-	-	-	-	20 U	-	1 U	1.0 U	1.0 U	1.0 U	-
1,2,4-Trichlorobenzene	µg/L	5	-	1.0 U	-	-	20 U	-	-	1.0 U	1.0 U	1.0 U	-
1,2,4-Trimethylbenzene	µg/L	5	-	-	-	-	**2590**	-	1 U	**5.9**	1.0 U	1.0 U	-
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	-	1.0 U	-	-	20 U	-	-	1.0 U	1.0 U	1.0 U	-
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	-	1.0 U	-	-	20 U	-	-	1.0 U	1.0 U	1.0 U	-
1,2-Dichlorobenzene	µg/L	3	-	1.0 U	-	-	20 U	-	-	1.0 U	1.0 U	1.0 U	-
1,2-Dichloroethane	µg/L	0.6	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
1,3,5-Trimethylbenzene	µg/L	5	-	-	-	-	**2880**	-	1 U	**20**	1.0 U	1.0 U	-
1,3-Dichlorobenzene	µg/L	3	-	1.0 U	-	-	20 U	-	-	1.0 U	1.0 U	1.0 U	-
1,3-Dichloropropane	µg/L	5	-	-	-	-	20 U	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	-	1.0 U	-	-	20 U	-	-	1.0 U	1.0 U	1.0 U	-
2,2-Dichloropropane	µg/L	5	-	-	-	-	20 U	-	-	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	20 U	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	5 UJ	5.0 U	-	10 U	-	5.0 U	5 UJ	5.0 U	5.0 U	5.0 U	-
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	5 UJ	5.0 U	-	10 U	-	5.0 U	5 UJ	5.0 U	5.0 U	5.0 U	-
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	20 U	-	-	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	5 U	5.0 U	-	10 U	-	5.0 U	5 U	5.0 U	5.0 U	5.0 U	-
Acetone	µg/L	50	10 UJ	2.9 J	-	10 U	-	10 UJ	10 UJ	5.0 U	5.0 U	5.0 U	-
Benzene	µg/L	1	1 U	1.0 U	-	5 U	20 U	**1.1**	1 U	1.0 U	1.0 U	1.0 U	-
Bromobenzene	µg/L	5	-	-	-	-	20 U	-	-	-	-	-	-
Bromodichloromethane	µg/L	50	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
Bromoform	µg/L	50	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
Bromomethane (Methyl bromide)	µg/L	5	2 U	1.0 U	-	10 U	20 U	1.0 U	2 U	1.0 U	1.0 U	1.0 U	-
Carbon disulfide	µg/L	6060	1 U	1.0 U	-	5 U	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
Carbon tetrachloride	µg/L	5	1 U	1.0 U	-	5 U	20 U	1.0 UJ	1 U	1.0 U	1.0 U	1.0 U	-
Chlorobenzene	µg/L	5	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
Chlorobromomethane	µg/L	5	-	-	-	-	20 U	-	-	-	-	-	-
Chloroethane	µg/L	5	2 U	1.0 U	-	10 U	50 U	2.0 UJ	2 U	1.0 U	1.0 U	1.0 U	-
Chloroform (Trichloromethane)	µg/L	7	1 U	2.7	-	5 U	50 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
Chloromethane (Methyl chloride)	µg/L	5	2 U	1.0 U	-	10 U	100 U	2.0 U	2 U	1.0 U	1.0 U	1.0 U	-
cis-1,2-Dichloroethene	µg/L	5	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
cis-1,3-Dichloropropene	µg/L	-	1 U	1.0 U	-	5 U	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
Cyclohexane	µg/L	-	-	1.0 U	-	-	-	-	-	1.0 U	1.0 U	1.0 U	-
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	**48.4**	-	-	-	-	-	-
Dibromochloromethane	µg/L	50	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
Dibromomethane	µg/L	5	-	-	-	-	20 U	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	-	1.0 U	-	-	100 U	-	-	1.0 U	1.0 U	1.0 U	-
Ethylbenzene	µg/L	5	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	20 U	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-12*	*GT-12*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-14*
Sample ID:			*GW-18631-RW-10*	*GW-18631-100609-BP-020*	*GT-13*	*GT-13*	*GT-13*	*GW-18631-RW-005*	*GW-18631-RW-08*	*GW-18631-100609-RR-029*	*GW-18631-101211-AW-007*	*GW-18631-120711-010*	*GT-14*
Sample Date:			*4/2/2002*	*10/6/2009*	*9/8/1992*	*9/2/1993*	*12/13/1994*	*10/16/2001*	*4/2/2002*	*10/6/2009*	*10/12/2011*	*12/7/2011*	*9/8/1992*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*											
Isopropyl benzene	µg/L	5	-	1.0 U	-	-	29.9	-	1 U	1.3	1.0 U	1.0 U	-
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	-	1.0 U	-	-	-	-	-	1.0 U	1.0 U	1.0 U	-
Methyl cyclohexane	µg/L	-	-	1.0 U	-	-	-	-	-	1.0 U	1.0 U	1.0 U	-
Methyl tert butyl ether (MTBE)	µg/L	10	-	1.0 U	-	-	50 U	-	-	1.0 U	1.0 U	1.0 U	-
Methylene chloride	µg/L	5	2 U	1.0 U	-	5 U	100 U	2.0 U	2 U	1.0 U	1.0 U	1.0 U	-
Naphthalene	µg/L	10	-	-	-	-	20 TBQ	-	-	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	20 U	-	-	-	-	-	-
N-Propylbenzene	µg/L	5	-	-	-	-	37.7	-	1 U	2.3	0.21 J	1.0 U	-
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
Toluene	µg/L	5	0.32 J	1.0 U	-	5 U	20 U	1.0 U	0.33 J	1.0 U	1.0 U	1.0 U	-
trans-1,2-Dichloroethene	µg/L	5	1 U	1.0 U	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
trans-1,3-Dichloropropene	µg/L	-	1 U	1.0 U	-	5 U	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	5	1 U	0.72 J	-	5 U	20 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	-
Trichlorofluoromethane (CFC-11)	µg/L	5	-	1.0 U	-	-	20 U	-	-	1.0 U	1.0 U	1.0 U	-
Trifluorotrichloroethane (Freon 113)	µg/L	5	-	1.0 U	-	-	-	-	-	1.0 U	1.0 U	1.0 U	-
Vinyl acetate	µg/L	-	-	-	-	10 U	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	2 U	1.0 U	-	10 U	100 U	2.0 U	2 U	1.0 U	1.0 U	1.0 U	-
Xylenes (total)	µg/L	5	3 U	3.0 U	620	170	115	3.0 U	3 U	3.0 U	3.0 U	3.0 U	-
Semi-volatiles													
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	2 U	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	10 U	-	-	-	2 U	10 U	10 U	-	-	-	-
1,2-Dichlorobenzene	µg/L	3	10 U	-	-	-	2 U	10 U	10 U	-	-	-	-
1,2-Diphenylhydrazine	µg/L	-	-	-	-	-	2 U	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	10 U	-	-	-	2 U	10 U	10 U	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	10 U	-	-	-	2 U	10 U	10 U	-	-	-	-
1-Chloronaphthalene	µg/L	-	-	-	-	-	2 U	-	-	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	5 U	-	-	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	5	10 U	1.9 U	-	-	10 U	10 U	10 U	2.2 U	-	-	-
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	20 U	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	10 U	9.6 U	-	5 U	10 U	10 U	10 U	11 U	-	-	-
2,4,6-Trichlorophenol	µg/L	-	10 U	9.6 U	-	5 U	10 U	10 U	10 U	11 U	-	-	-
2,4-Dichlorophenol	µg/L	5	10 U	1.9 U	-	5 U	5 U	10 U	10 U	2.2 U	-	-	-
2,4-Dimethylphenol	µg/L	50	10 U	9.6 U	2 J	5 U	5 U	10 U	10 U	11 U	-	-	-
2,4-Dinitrophenol	µg/L	10	50 U	48 U	-	25 U	-	50 U	50 U	54 U	-	-	-
2,4-Dinitrotoluene	µg/L	5	10 U	9.6 U	-	-	5 U	10 U	10 U	11 U	-	-	-
2,6-Dichlorophenol	µg/L	-	-	-	-	-	5 U	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	10 U	9.6 U	-	-	5 U	10 U	10 U	11 U	-	-	-
2-Chloronaphthalene	µg/L	10	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
2-Chlorophenol	µg/L	-	10 U	9.6 U	-	5 U	5 U	10 U	10 U	11 U	-	-	-
2-Methylnaphthalene	µg/L	-	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
2-Methylphenol	µg/L	-	10 U	9.6 U	-	5 U	5 U	10 U	10 U	11 U	-	-	-
2-Naphthylamine	µg/L	-	-	-	-	-	5 U	-	-	-	-	-	-
2-Nitroaniline	µg/L	5	50 U	48 U	-	-	20 U	50 U	50 U	54 U	-	-	-
2-Nitrophenol	µg/L	-	10 U	9.6 U	-	5 U	10 U	10 U	10 U	11 U	-	-	-
2-Picoline	µg/L	-	-	-	-	-	10 U	-	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	5 U	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-12*	*GT-12*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-14*
Sample ID:			*GW-18631-RW-10*	*GW-18631-100609-BP-020*	*GT-13*	*GT-13*	*GT-13*	*GW-18631-RW-005*	*GW-18631-RW-08*	*GW-18631-100609-RR-029*	*GW-18631-101211-AW-007*	*GW-18631-120711-010*	*GT-14*
Sample Date:			*4/2/2002*	*10/6/2009*	*9/8/1992*	*9/2/1993*	*12/13/1994*	*10/16/2001*	*4/2/2002*	*10/6/2009*	*10/12/2011*	*12/7/2011*	*9/8/1992*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*											
3,3'-Dichlorobenzidine	µg/L	5	50 U	9.6 U	-	-	5 U	50 U	50 U	11 U	-	-	-
3-Methylcholanthrene	µg/L	-	-	-	-	-	5 U	-	-	-	-	-	-
3-Nitroaniline	µg/L	5	50 U	48 U	-	-	20 U	50 U	50 U	54 U	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	50 U	48 U	-	-	50 U	50 U	50 U	54 U	-	-	-
4-Aminobiphenyl	µg/L	5	-	-	-	-	2 U	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	10 U	9.6 U	-	-	2 U	10 U	10 U	11 U	-	-	-
4-Chloro-3-methylphenol	µg/L	-	10 U	9.6 U	-	10 U	10 U	10 U	10 U	11 U	-	-	-
4-Chloroaniline	µg/L	5	10 U	9.6 U	-	-	5 U	10 U	10 U	11 U	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	10 U	9.6 U	-	-	2 U	10 U	10 U	11 U	-	-	-
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	5 U	-	-	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	25 U	-	-	-	-	-	-	-
4-Methylphenol	µg/L	-	10 U	9.6 U	-	5 U	-	10 U	10 U	11 U	-	-	-
4-Nitroaniline	µg/L	5	50 U	48 U	-	-	20 U	50 U	50 U	54 U	-	-	-
4-Nitrophenol	µg/L	-	50 U	48 U	-	25 U	-	50 U	50 U	54 U	-	-	-
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	10 U	-	-	-	-	-	-
Acenaphthene	µg/L	20	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Acenaphthylene	µg/L	-	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Acetophenone	µg/L	-	-	9.6 U	-	-	2 U	-	-	11 U	-	-	-
Aldrin	µg/L	-	-	-	-	-	10 U	-	-	-	-	-	-
Anthracene	µg/L	50	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Atrazine	µg/L	7.5	-	9.6 U	-	-	-	-	-	11 U	-	-	-
Benzaldehyde	µg/L	-	-	9.6 U	-	-	-	-	-	11 U	-	-	-
Benzidine	µg/L	5	-	-	-	-	10 U	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Benzo(a)pyrene	µg/L	-	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Benzo(b)fluoranthene	µg/L	0.002	10 U	1.9 U	-	-	-	10 U	10 U	2.2 U	-	-	-
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	2 U	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Benzo(k)fluoranthene	µg/L	0.002	10 U	1.9 U	-	-	-	10 U	10 U	2.2 U	-	-	-
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	10 U	-	-	-	-	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	10 U	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	-	9.6 U	-	-	-	-	-	11 U	-	-	-
bis(2-Chloroethoxy)methane	µg/L	5	10 U	9.6 U	-	-	2 U	10 U	10 U	11 U	-	-	-
bis(2-Chloroethyl)ether	µg/L	1	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	10 U	9.6 U	1 U	-	10 U	10 U	10 U	11 U	-	-	3 U
Butyl benzylphthalate (BBP)	µg/L	50	10 U	9.6 U	-	-	10 U	10 U	10 U	11 U	-	-	-
Caprolactam	µg/L	-	-	48 U	-	-	-	-	-	54 U	-	-	-
Carbazole	µg/L	-	10 U	1.9 U	-	-	-	10 U	10 U	2.2 U	-	-	-
Chlordane	µg/L	0.05	-	-	-	-	30 U	-	-	-	-	-	-
Chrysene	µg/L	0.002	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Dibenz(a,h)anthracene	µg/L	-	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	2 U	-	-	-	-	-	-
Dibenzofuran	µg/L	-	10 U	9.6 U	-	-	2 U	10 U	10 U	11 U	-	-	-
Diethyl phthalate	µg/L	50	10 U	9.6 U	-	-	10 U	10 U	10 U	11 U	-	-	-
Dimethyl phthalate	µg/L	50	10 U	9.6 U	-	-	10 U	10 U	10 U	11 U	-	-	-
Di-n-butylphthalate (DBP)	µg/L	50	10 U	9.6 U	6 U	-	10 U	10 U	10 U	11 U	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	50	10 U	9.6 U	-	-	10 U	10 U	10 U	11 U	-	-	-
Ethyl methanesulfonate	µg/L	-	-	-	-	-	5 U	-	-	-	-	-	-
Fluoranthene	µg/L	50	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Fluorene	µg/L	50	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Hexachlorobenzene	µg/L	0.04	10 U	1.9 U	-	-	5 U	10 U	10 U	2.2 U	-	-	-
Hexachlorobutadiene	µg/L	0.5	10 U	1.9 U	-	-	5 U	10 U	10 U	2.2 U	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-12*	*GT-12*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-14*
Sample ID:			*GW-18631-RW-10*	*GW-18631-100609-BP-020*	*GT-13*	*GT-13*	*GT-13*	*GW-18631-RW-005*	*GW-18631-RW-08*	*GW-18631-100609-RR-029*	*GW-18631-101211-AW-007*	*GW-18631-120711-010*	*GT-14*
Sample Date:			*4/2/2002*	*10/6/2009*	*9/8/1992*	*9/2/1993*	*12/13/1994*	*10/16/2001*	*4/2/2002*	*10/6/2009*	*10/12/2011*	*12/7/2011*	*9/8/1992*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*											
Hexachlorocyclopentadiene	µg/L	5	50 U	9.6 U	-	-	20 U	50 U	50 U	11 U	-	-	-
Hexachloroethane	µg/L	5	10 U	9.6 U	-	-	5 U	10 U	10 U	11 U	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Isophorone	µg/L	50	10 U	9.6 U	-	-	2 U	10 U	10 U	11 U	-	-	-
Methyl methanesulfonate	µg/L	-	-	-	-	-	10 U	-	-	-	-	-	-
Naphthalene	µg/L	10	10 U	1.9 U	12	-	3.4	10 U	10 U	2.2 U	-	-	-
Nitrobenzene	µg/L	0.4	10 U	1.9 U	-	-	5 U	10 U	10 U	2.2 U	-	-	-
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	5 U	-	-	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	-	10 U	-	-	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	5 U	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	10 U	1.9 U	-	-	10 U	10 U	10 U	2.2 U	-	-	-
N-Nitrosodiphenylamine	µg/L	50	10 U	1.9 U	-	-	-	10 U	10 U	2.2 U	-	-	-
N-Nitrosopiperidine	µg/L	-	-	-	-	-	10 U	-	-	-	-	-	-
Pentachlorophenol	µg/L	1	50 U	9.6 U	-	25 U	50 U	50 U	50 U	11 U	-	-	-
Phenacetin	µg/L	-	-	-	-	-	5 U	-	-	-	-	-	-
Phenanthrene	µg/L	50	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Phenol	µg/L	1	10 U	1.9 U	-	5 U	5 U	10 U	10 U	2.2 U	-	-	32
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	-	5 U	-	-	-	-	-	-
Pyrene	µg/L	50	10 U	1.9 U	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Pyridine	µg/L	50	-	-	-	-	10 U	-	-	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	-	20 U	-	-	-	-	-	-
Metals													
Aluminum	µg/L	-	200 U	-	8830	-	-	14.6 U	200 U	-	-	-	20000
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	3	60 U	-	-	-	-	4.1 U	60 U	-	-	-	-
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	10 U	-	1.4 J	-	-	2.0 U	10 U	-	-	-	5.2 J
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	1000	40.7	-	126 B	-	-	88.7	36.8	-	-	-	198 B
Barium (dissolved)	µg/L	1000	-	-	59.3 B	-	-	-	-	-	-	-	42.8 B
Beryllium	µg/L	3	5 U	-	-	-	-	0.077 U	5 U	-	-	-	1.2 B
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	5 U	-	-	-	-	0.63 U	5 U	-	-	-	-
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Calcium	µg/L	-	121000	-	172000	-	-	132000 J	110000	-	-	-	230000
Calcium (dissolved)	µg/L	-	-	-	135000	-	-	-	-	-	-	-	107000
Chromium	µg/L	50	10 U	-	13.3	-	-	2.8	10 U	-	-	-	36.4
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	50 U	-	6.9 B	-	-	2.6 U	50 U	-	-	-	19.3 B
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	25 U	-	21.5 B	-	-	2.3	25 U	-	-	-	52.5
Copper (dissolved)	µg/L	200	-	-	5 B	-	-	-	-	-	-	-	-
Iron	µg/L	300	99.8	-	16800 J	-	-	194	70.8	-	-	-	45400 J
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	25	3 U	-	6.6	-	-	1.8 U	3 U	-	-	-	26.3
Lead (dissolved)	µg/L	25	-	-	1.2 B	-	-	-	-	-	-	-	1.3 B
Magnesium	µg/L	35000	12900	-	23400	-	-	11300	12800	-	-	-	37200
Magnesium (dissolved)	µg/L	35000	-	-	16100	-	-	-	-	-	-	-	15400
Manganese	µg/L	300	1.6	-	672	-	-	839	18.5	-	-	-	1510
Manganese (dissolved)	µg/L	300	-	-	173	-	-	-	-	-	-	-	5.9 B

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-12*	*GT-12*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-14*
Sample ID:			*GW-18631-RW-10*	*GW-18631-100609-BP-020*	*GT-13*	*GT-13*	*GT-13*	*GW-18631-RW-005*	*GW-18631-RW-08*	*GW-18631-100609-RR-029*	*GW-18631-101211-AW-007*	*GW-18631-120711-010*	*GT-14*
Sample Date:			*4/2/2002*	*10/6/2009*	*9/8/1992*	*9/2/1993*	*12/13/1994*	*10/16/2001*	*4/2/2002*	*10/6/2009*	*10/12/2011*	*12/7/2011*	*9/8/1992*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*											
Mercury	µg/L	0.7	0.2 U	-	2 J	-	-	0.054 U	0.2 U	-	-	-	-
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	40 U	-	16.4 B	-	-	7.9 U	40 U	-	-	-	40.7
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-	-	-
Potassium	µg/L	-	600	-	3850 B	-	-	1360	646	-	-	-	5160
Potassium (dissolved)	µg/L	-	-	-	1380 B	-	-	-	-	-	-	-	1880 B
Selenium	µg/L	10	5 U	-	-	-	-	3.2 U	5 U	-	-	-	-
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	10 U	-	-	-	-	0.75 U	10 U	-	-	-	-
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	28800	-	47600	-	-	277000	29800	-	-	-	4570 B
Sodium (dissolved)	µg/L	20000	-	-	38700	-	-	-	-	-	-	-	3360 B
Thallium	µg/L	0.5	10 U	-	-	-	-	5.7 U	10 U	-	-	-	-
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	50 U	-	17 B	-	-	4.8	50 U	-	-	-	44 B
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	20 U	-	217	-	-	10.9 U	20 U	-	-	-	184 J
Zinc (dissolved)	µg/L	2000	-	-	25.6 J	-	-	-	-	-	-	-	23.3 J
PCBs													
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	-	-	-	-	30 U	1.0 U	-	-	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	-	-	-	-	30 U	1.0 U	-	-	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	-	-	-	-	30 U	1.0 U	-	-	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	-	-	-	-	30 U	1.0 U	-	-	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	-	-	-	-	30 U	1.0 U	-	-	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	-	-	-	-	30 U	1.0 U	-	-	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	-	-	-	-	30 U	1.0 U	-	-	-	-	-
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-	-	-	-
Pesticides													
4,4'-DDD	µg/L	0.3	-	-	-	-	20 U	0.050 U	-	-	-	-	-
4,4'-DDE	µg/L	0.2	-	-	-	-	20 U	0.050 U	-	-	-	-	-
4,4'-DDT	µg/L	0.2	-	-	-	-	20 U	0.050 U	-	-	-	-	-
Aldrin	µg/L	-	-	-	-	-	-	0.050 U	-	-	-	-	-
alpha-BHC	µg/L	0.01	-	-	-	-	10 U	0.050 U	-	-	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	-	-	-	-	-	0.050 U	-	-	-	-	-
Chlordane	µg/L	0.05	-	-	-	-	-	0.50 U	-	-	-	-	-
delta-BHC	µg/L	0.04	-	-	-	-	10 U	0.050 U	-	-	-	-	-
Dieldrin	µg/L	0.004	-	-	-	-	10 U	0.050 U	-	-	-	-	-
Endosulfan I	µg/L	-	-	-	-	-	20 U	0.050 U	-	-	-	-	-
Endosulfan II	µg/L	-	-	-	-	-	20 U	0.050 U	-	-	-	-	-
Endosulfan sulfate	µg/L	-	-	-	-	-	20 U	0.050 U	-	-	-	-	-
Endrin	µg/L	-	-	-	-	-	20 U	0.050 U	-	-	-	-	-
Endrin aldehyde	µg/L	5	-	-	-	-	20 U	0.050 U	-	-	-	-	-
Endrin ketone	µg/L	5	-	-	-	-	-	0.050 U	-	-	-	-	-
gamma-BHC (lindane)	µg/L	0.05	-	-	-	-	-	0.050 U	-	-	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	-	-	-	-	10 U	0.050 U	-	-	-	-	-
Heptachlor epoxide	µg/L	0.03	-	-	-	-	20 U	0.050 U	-	-	-	-	-
Methoxychlor	µg/L	35	-	-	-	-	5 U	0.10 U	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-12*	*GT-12*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-13*	*GT-14*
Sample ID:			*GW-18631-RW-10*	*GW-18631-100609-BP-020*	*GT-13*	*GT-13*	*GT-13*	*GW-18631-RW-005*	*GW-18631-RW-08*	*GW-18631-100609-RR-029*	*GW-18631-101211-AW-007*	*GW-18631-120711-010*	*GT-14*
Sample Date:			*4/2/2002*	*10/6/2009*	*9/8/1992*	*9/2/1993*	*12/13/1994*	*10/16/2001*	*4/2/2002*	*10/6/2009*	*10/12/2011*	*12/7/2011*	*9/8/1992*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***											
Toxaphene	µg/L	0.06	-	-	-	-	-	2.0 U	-	-	-	-	-
Petroleum Products													
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	-	100 U	-	-	-	-	-	100 U	-	-	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	480 U	-	-	-	-	360 J	500 U	-	-	-	-
General Chemistry													
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	-	-	1.3 B	-	-	10.0 U	-	-	-	-	1.3 B
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	-	-	-	-	-	10 U	-	-	-	-	-
Sulfide	µg/L	50	-	-	-	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
- Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-14*	*GT-14*	*GT-14*	*GT-14*	*GT-15*	*GT-15*	*GT-15*	*GT-15*	*GT-15*	*GT-15*
Sample ID:			*GW-18631-RW-004*	*GW-18631-RW-03*	*GW-18631-100209-RR-015*	*GW-18631-100209-RR-017*	*GT-15*	*GT-18*	*GW-18631-RW-025*	*GW-18631-RW-25*	*GW-18631-100109-RR-009*	*GW-18631-101111-AW-005*
Sample Date:			*10/16/2001*	*4/2/2002*	*10/2/2009*	*10/2/2009*	*9/8/1992*	*9/8/1992*	*10/18/2001*	*4/4/2002*	*10/1/2009*	*10/11/2011*
						Duplicate		*Duplicate*				
Parameters	*Units*	*NYSDEC GA Groundwater Standards*										
Volatiles												
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 UJ	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	5	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	5	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
1,1-Dichloropropene	µg/L	5	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	-	1 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
1,2,4-Trichlorobenzene	µg/L	5	-	-	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
1,2,4-Trimethylbenzene	µg/L	5	-	1 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	-	-	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	-	-	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	3	-	-	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.6	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	5	-	1 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
1,3-Dichlorobenzene	µg/L	3	-	-	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
1,3-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	-	-	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
2,2-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	5.0 U	5 UJ	5.0 U	5.0 U	-	-	5.0 UJ	5 U	5.0 U	5.0 U
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	5.0 U	5 UJ	5.0 U	5.0 U	-	-	5.0 UJ	5 U	5.0 U	5.0 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	5.0 U	5 U	5.0 U	5.0 U	-	-	5.0 U	5 U	5.0 U	5.0 U
Acetone	µg/L	50	10 UJ	10 UJ	5.0 U	5.0 U	-	-	10 UJ	10 UJ	5.0 U	5.0 U
Benzene	µg/L	1	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
Bromobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
Bromoform	µg/L	50	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5	1.0 U	2 U	1.0 UJ	1.0 UJ	-	-	1.0 U	2 U	1.0 UJ	1.0 U
Carbon disulfide	µg/L	6060	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	1.0 UJ	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	0.30 J	1.0 U
Chlorobenzene	µg/L	5	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
Chlorobromomethane	µg/L	5	-	-	-	-	-	-	-	-	-	-
Chloroethane	µg/L	5	2.0 UJ	2 U	1.0 U	1.0 U	-	-	2.0 UJ	2 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	7	1.0 U	1 U	1.0 U	1.0 U	2 J	2 J	1.0 U	0.49 J	0.25 J	1.0 U
Chloromethane (Methyl chloride)	µg/L	5	2.0 U	2 U	1.0 U	1.0 U	-	-	2.0 U	2 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	-	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
Cyclohexane	µg/L	-	-	-	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
Dibromomethane	µg/L	5	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	-	-	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
Ethylbenzene	µg/L	5	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-14*	*GT-14*	*GT-14*	*GT-14*	*GT-15*	*GT-15*	*GT-15*	*GT-15*	*GT-15*	*GT-15*
Sample ID:			*GW-18631-RW-004*	*GW-18631-RW-03*	*GW-18631-100209-RR-015*	*GW-18631-100209-RR-017*	*GT-15*	*GT-18*	*GW-18631-RW-025*	*GW-18631-RW-25*	*GW-18631-100109-RR-009*	*GW-18631-101111-AW-005*
Sample Date:			*10/16/2001*	*4/2/2002*	*10/2/2009*	*10/2/2009*	*9/8/1992*	*9/8/1992*	*10/18/2001*	*4/4/2002*	*10/1/2009*	*10/11/2011*
						Duplicate		*Duplicate*				
Parameters	*Units*	*NYSDEC GA Groundwater Standards*										
Isopropyl benzene	µg/L	5	-	1 U	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	-	-	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
Methyl cyclohexane	µg/L	-	-	-	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	10	-	-	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
Methylene chloride	µg/L	5	2.0 U	2 U	1.0 U	1.0 U	-	-	2.0 U	2 U	1.0 U	1.0 U
Naphthalene	µg/L	10	-	-	-	-	-	-	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-
N-Propylbenzene	µg/L	5	-	1 U	1.0 U	1.0 U	-	-	-	-	-	1.0 U
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 UJ	1.0 U	1.0 U
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
Toluene	µg/L	5	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	0.65 J	0.18 J	1.0 U
trans-1,2-Dichloroethene	µg/L	5	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	-	1.0 U	1 U	1.0 U	1.0 U	-	-	1.0 U	1 U	1.0 U	1.0 U
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	5	1.0 U	1 U	1.0 U	1.0 U	9 J	4 J	4.3	2.8	1.5	1.0
Trichlorofluoromethane (CFC-11)	µg/L	5	-	-	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	5	-	-	1.0 U	1.0 U	-	-	-	-	1.0 U	1.0 U
Vinyl acetate	µg/L	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	2.0 U	2 U	1.0 U	1.0 U	-	-	2.0 U	2 U	1.0 U	1.0 U
Xylenes (total)	µg/L	5	3.0 U	3 U	3.0 U	3.0 U	-	-	3.0 U	3 U	3.0 U	3.0 U
Semi-volatiles												
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	10 U	10 U	-	-	-	-	10 U	10 U	-	-
1,2-Dichlorobenzene	µg/L	3	10 U	10 U	-	-	-	-	10 U	10 U	-	-
1,2-Diphenylhydrazine	µg/L	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	10 U	10 U	-	-	-	-	10 U	10 U	-	-
1,4-Dichlorobenzene	µg/L	3	10 U	10 U	-	-	-	-	10 U	10 U	-	-
1-Chloronaphthalene	µg/L	-	-	-	-	-	-	-	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	5	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
2,4,6-Trichlorophenol	µg/L	-	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
2,4-Dichlorophenol	µg/L	5	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
2,4-Dimethylphenol	µg/L	50	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
2,4-Dinitrophenol	µg/L	10	50 U	50 UJ	49 U	54 U	-	-	50 U	50 UJ	50 U	-
2,4-Dinitrotoluene	µg/L	5	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
2,6-Dichlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
2-Chloronaphthalene	µg/L	10	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
2-Chlorophenol	µg/L	-	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
2-Methylnaphthalene	µg/L	-	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
2-Methylphenol	µg/L	-	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
2-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	µg/L	5	50 U	50 U	49 U	54 U	-	-	50 U	50 U	50 U	-
2-Nitrophenol	µg/L	-	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
2-Picoline	µg/L	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-14*	*GT-14*	*GT-14*	*GT-14*	*GT-15*	*GT-15*	*GT-15*	*GT-15*	*GT-15*	*GT-15*
Sample ID:			*GW-18631-RW-004*	*GW-18631-RW-03*	*GW-18631-100209-RR-015*	*GW-18631-100209-RR-017*	*GT-15*	*GT-18*	*GW-18631-RW-025*	*GW-18631-RW-25*	*GW-18631-100109-RR-009*	*GW-18631-101111-AW-005*
Sample Date:			*10/16/2001*	*4/2/2002*	*10/2/2009*	*10/2/2009*	*9/8/1992*	*9/8/1992*	*10/18/2001*	*4/4/2002*	*10/1/2009*	*10/11/2011*
						Duplicate		*Duplicate*				
Parameters	*Units*	*NYSDEC GA Groundwater Standards*										
3,3'-Dichlorobenzidine	µg/L	5	50 U	50 U	9.8 U	11 U	-	-	50 U	R	10 U	-
3-Methylcholanthrene	µg/L	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	µg/L	5	50 U	50 U	49 U	54 U	-	-	50 U	50 U	50 U	-
4,6-Dinitro-2-methylphenol	µg/L	-	50 U	50 UJ	49 U	54 U	-	-	50 U	50 UJ	50 U	-
4-Aminobiphenyl	µg/L	5	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
4-Chloro-3-methylphenol	µg/L	-	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
4-Chloroaniline	µg/L	5	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
4-Chlorophenyl phenyl ether	µg/L	-	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	µg/L	-	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
4-Nitroaniline	µg/L	5	50 U	50 U	49 U	54 U	-	-	50 U	50 U	50 U	-
4-Nitrophenol	µg/L	-	50 U	50 U	49 U	54 U	-	-	50 UJ	50 U	50 U	-
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	µg/L	20	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Acenaphthylene	µg/L	-	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Acetophenone	µg/L	-	-	-	9.8 U	11 U	-	-	-	-	10 U	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	50	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Atrazine	µg/L	7.5	-	-	9.8 U	11 U	-	-	-	-	10 U	-
Benzaldehyde	µg/L	-	-	-	9.8 U	11 U	-	-	-	-	10 U	-
Benzidine	µg/L	5	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Benzo(a)pyrene	µg/L	-	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Benzo(b)fluoranthene	µg/L	0.002	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Benzo(k)fluoranthene	µg/L	0.002	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	-	-	-	-	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	-	-	9.8 U	11 U	-	-	-	-	10 U	-
bis(2-Chloroethoxy)methane	µg/L	5	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
bis(2-Chloroethyl)ether	µg/L	1	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	10 U	10 U	9.8 U	11 U	6 U	3 U	10 U	10 U	10 U	-
Butyl benzylphthalate (BBP)	µg/L	50	10 U	10 U	9.8 U	11 U	2 U	1 J	10 U	10 U	10 U	-
Caprolactam	µg/L	-	-	-	49 U	54 U	-	-	-	-	50 U	-
Carbazole	µg/L	-	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	0.002	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Dibenz(a,h)anthracene	µg/L	-	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	µg/L	-	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
Diethyl phthalate	µg/L	50	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
Dimethyl phthalate	µg/L	50	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
Di-n-butylphthalate (DBP)	µg/L	50	10 U	10 U	9.8 U	11 U	2 U	2 U	10 U	10 U	10 U	-
Di-n-octyl phthalate (DnOP)	µg/L	50	10 U	10 U	9.8 U	11 U	2 U	-	10 U	10 U	10 U	-
Ethyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	50	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Fluorene	µg/L	50	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Hexachlorobenzene	µg/L	0.04	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Hexachlorobutadiene	µg/L	0.5	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-14*	*GT-14*	*GT-14*	*GT-14*	*GT-15*	*GT-15*	*GT-15*	*GT-15*	*GT-15*	*GT-15*
Sample ID:			*GW-18631-RW-004*	*GW-18631-RW-03*	*GW-18631-100209-RR-015*	*GW-18631-100209-RR-017*	*GT-15*	*GT-18*	*GW-18631-RW-025*	*GW-18631-RW-25*	*GW-18631-100109-RR-009*	*GW-18631-101111-AW-005*
Sample Date:			*10/16/2001*	*4/2/2002*	*10/2/2009*	*10/2/2009*	*9/8/1992*	*9/8/1992*	*10/18/2001*	*4/4/2002*	*10/1/2009*	*10/11/2011*
						Duplicate		*Duplicate*				
Parameters	***Units***	***NYSDEC GA Groundwater Standards***										
Hexachlorocyclopentadiene	µg/L	5	50 U	50 U	9.8 U	11 U	-	-	50 U	50 U	10 U	-
Hexachloroethane	µg/L	5	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Isophorone	µg/L	50	10 U	10 U	9.8 U	11 U	-	-	10 U	10 U	10 U	-
Methyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	10	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Nitrobenzene	µg/L	0.4	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
N-Nitrosodiphenylamine	µg/L	50	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
N-Nitrosopiperidine	µg/L	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	µg/L	1	50 U	50 U	9.8 U	11 U	-	-	50 U	50 U	10 U	-
Phenacetin	µg/L	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	50	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Phenol	µg/L	1	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	50	10 U	10 U	2.0 U	2.2 U	-	-	10 U	10 U	2.0 U	-
Pyridine	µg/L	50	-	-	-	-	-	-	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-	-	-
Metals												
Aluminum	µg/L	-	2830	465	-	-	1230	702	23.8 U	200 U	-	-
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	3	4.1 U	60 U	-	-	-	-	4.1 U	60 U	-	-
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	2.0 U	10 U	-	-	1.3 J	1.3 J	2.0 U	10 U	-	-
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	1000	44.9	33	-	-	72.8 B	69.7 B	44.2	43.6	-	-
Barium (dissolved)	µg/L	1000	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	3	0.24 U	5 U	-	-	-	-	0.077 U	5 U	-	-
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	0.63 U	5 U	-	-	-	-	0.63 U	5 U	-	-
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-	-
Calcium	µg/L	-	118000 J	116000	-	-	92600	87800	73300	69400	-	-
Calcium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	50	7.6	10 U	-	-	5.9 B	4.7 B	1.8	10 U	-	-
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	2.6	50 U	-	-	-	-	2.6 U	50 U	-	-
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	10.0	2	-	-	14.4 B	11.6 B	4.3 U	25 U	-	-
Copper (dissolved)	µg/L	200	-	-	-	-	-	-	-	-	-	-
Iron	µg/L	300	**4710**	**655**	-	-	**4820 J**	**2500 J**	16.5 U	100 U	-	-
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	25	1.9	3 U	-	-	6.5	5	1.8 U	3 U	-	-
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-
Magnesium	µg/L	35000	15600	14800	-	-	12900	13000	10900	10900	-	-
Magnesium (dissolved)	µg/L	35000	-	-	-	-	-	-	-	-	-	-
Manganese	µg/L	300	111	16.7	-	-	164	114	0.88 U	15 U	-	-
Manganese (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-14*	*GT-14*	*GT-14*	*GT-14*	*GT-15*	*GT-15*	*GT-15*	*GT-15*	*GT-15*	*GT-15*
Sample ID:			*GW-18631-RW-004*	*GW-18631-RW-03*	*GW-18631-100209-RR-015*	*GW-18631-100209-RR-017*	*GT-15*	*GT-18*	*GW-18631-RW-025*	*GW-18631-RW-25*	*GW-18631-100109-RR-009*	*GW-18631-101111-AW-005*
Sample Date:			*10/16/2001*	*4/2/2002*	*10/2/2009*	*10/2/2009*	*9/8/1992*	*9/8/1992*	*10/18/2001*	*4/4/2002*	*10/1/2009*	*10/11/2011*
						Duplicate		*Duplicate*				
Parameters	*Units*	*NYSDEC GA Groundwater Standards*										
Mercury	µg/L	0.7	0.054 U	0.2 U	-	-	-	-	0.054 U	0.2 U	-	-
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	7.9 U	1.8	-	-	-	-	7.9 U	40 U	-	-
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-	-
Potassium	µg/L	-	2200	645	-	-	1540 B	1200 B	1070 U	600	-	-
Potassium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	10	3.2 U	5 U	-	-	-	-	3.2 U	5 U	-	-
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	0.75 U	1.2	-	-	-	-	0.75 U	10 U	-	-
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	2980	2710	-	-	**22900**	**28800**	**24600**	**24900 J**	-	-
Sodium (dissolved)	µg/L	20000	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	0.5	5.7 U	10 U	-	-	-	-	5.7 U	10 U	-	-
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	9.5	50 U	-	-	4.5 B	-	7.5 U	50 U	-	-
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	51.3	20 U	-	-	29.3 J	32.2 J	3.2 U	20 U	-	-
Zinc (dissolved)	µg/L	2000	-	-	-	-	-	-	-	-	-	-
PCBs												
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	1.0 U	-	-	-	-	-	1.0 U	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	1.0 U	-	-	-	-	-	1.0 U	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	1.0 U	-	-	-	-	-	1.0 U	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	1.0 U	-	-	-	-	-	1.0 U	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	1.0 U	-	-	-	-	-	1.0 U	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	1.0 U	-	-	-	-	-	1.0 U	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	1.0 U	-	-	-	-	-	1.0 U	-	-	-
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-	-	-
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	-	0.050 U	-	-	-	-	-	0.050 U	-	-	-
alpha-BHC	µg/L	0.01	0.050 U	-	-	-	-	-	0.050 U	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	0.050 U	-	-	-	-	-	0.050 U	-	-	-
Chlordane	µg/L	0.05	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	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	-	-	-
gamma-BHC (lindane)	µg/L	0.05	0.050 U	-	-	-	-	-	0.050 U	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	0.050 U	-	-	-	-	-	0.050 U	-	-	-
Heptachlor epoxide	µg/L	0.03	0.050 U	-	-	-	-	-	0.050 U	-	-	-
Methoxychlor	µg/L	35	0.10 U	-	-	-	-	-	0.10 U	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-14*	*GT-14*	*GT-14*	*GT-14*	*GT-15*	*GT-15*	*GT-15*	*GT-15*	*GT-15*	*GT-15*
Sample ID:			*GW-18631-RW-004*	*GW-18631-RW-03*	*GW-18631-100209-RR-015*	*GW-18631-100209-RR-017*	*GT-15*	*GT-18*	*GW-18631-RW-025*	*GW-18631-RW-25*	*GW-18631-100109-RR-009*	*GW-18631-101111-AW-005*
Sample Date:			*10/16/2001*	*4/2/2002*	*10/2/2009*	*10/2/2009*	*9/8/1992*	*9/8/1992*	*10/18/2001*	*4/4/2002*	*10/1/2009*	*10/11/2011*
						Duplicate		*Duplicate*				
Parameters	***Units***	***NYSDEC GA Groundwater Standards***										
Toxaphene	µg/L	0.06	2.0 U	-	-	-	-	-	2.0 U	-	-	-
Petroleum Products												
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	-	-	100 UJ	100 UJ	-	-	-	-	100 UJ	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	500 U	480 U	-	-	-	-	460 U	500 U	-	-
General Chemistry												
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	10.0 U	-	-	-	5.88	1 B	10.0 U	-	-	-
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	10 U	-	-	-	-	-	10 U	-	-	-
Sulfide	µg/L	50	-	-	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
- Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-15*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*
Sample ID:			*GW-18631-120611-009*	*GT-16*	*GT-17*	*GT-16*	*GW-18631-RW-019*	*GW-18631-RW-24*	*GW-18631-100109-RR-011*	*GW-18631-101111-AW-002*	*GW-18631-120511-003*	*GW-18631-120511-005*
Sample Date:			*12/6/2011*	*9/8/1992*	*9/8/1992*	*12/13/1994*	*10/17/2001*	*4/4/2002*	*10/1/2009*	*10/11/2011*	*12/5/2011*	*12/5/2011*
					Duplicate							*Duplicate*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*										
Volatiles												
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	2 U	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	1.0 U	-	-	2 U	1.1	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	-	-	2 U	1.0 U	1 UJ	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1	1.0 U	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	5	1.0 U	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	5	1.0 U	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloropropene	µg/L	5	-	-	-	2 U	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	2 U	-	-	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	1.0 U	-	-	2 U	-	-	-	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5	1.0 U	-	-	2 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	µg/L	5	1.0 U	-	-	2 U	-	-	-	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	1.0 U	-	-	2 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	1.0 U	-	-	2 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	3	1.0 U	-	-	2 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.6	1.0 U	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	1.0 U	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	5	1.0 U	-	-	2 U	-	-	-	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	3	1.0 U	-	-	2 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropane	µg/L	5	-	-	-	2 U	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	1.0 U	-	-	2 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U
2,2-Dichloropropane	µg/L	5	-	-	-	2 U	-	-	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	2 U	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	5.0 U	-	-	-	5.0 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	5.0 U	-	-	-	5.0 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	2 U	-	-	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	5.0 U	-	-	-	5.0 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	50	5.0 U	-	-	-	10 UJ	10 UJ	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	µg/L	1	1.0 U	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromobenzene	µg/L	5	-	-	-	2 U	-	-	-	-	-	-
Bromodichloromethane	µg/L	50	1.0 U	-	-	2 U	1.0 U	1 U	0.29 J	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	50	1.0 U	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5	1.0 U	-	-	5 U	1.0 U	2 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	6060	1.0 U	-	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.23	2 J	2 J	2 U	1.0 U	0.82 J	1.1	0.87 J	0.83	0.84
Chlorobenzene	µg/L	5	1.0 U	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobromomethane	µg/L	5	-	-	-	2 U	-	-	-	-	-	-
Chloroethane	µg/L	5	1.0 U	-	-	5 U	2.0 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	7	1.0 U	2 J	3 J	5 U	1.0 U	2	4.7	3.9 U	4.4	4.4
Chloromethane (Methyl chloride)	µg/L	5	1.0 U	-	-	10 U	2.0 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	-	1.0 U	-	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	-	1.0 U	-	-	-	-	-	1.0 U	1.0 U	1.0 U	1.0 U
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	2 U	-	-	-	-	-	-
Dibromochloromethane	µg/L	50	1.0 U	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromomethane	µg/L	5	-	-	-	2 U	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	1.0 U	-	-	10 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	5	1.0 U	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobutadiene	µg/L	0.5	-	-	-	2 U	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-15*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*
Sample ID:			*GW-18631-120611-009*	*GT-16*	*GT-17*	*GT-16*	*GW-18631-RW-019*	*GW-18631-RW-24*	*GW-18631-100109-RR-011*	*GW-18631-101111-AW-002*	*GW-18631-120511-003*	*GW-18631-120511-005*
Sample Date:			*12/6/2011*	*9/8/1992*	*9/8/1992*	*12/13/1994*	*10/17/2001*	*4/4/2002*	*10/1/2009*	*10/11/2011*	*12/5/2011*	*12/5/2011*
					Duplicate							*Duplicate*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*										
Isopropyl benzene	µg/L	5	1.0 U	-	-	2 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	1.0 U	-	-	-	-	-	1.0 U	1.0 U	1.0 U	1.0 U
Methyl cyclohexane	µg/L	-	1.0 U	-	-	-	-	-	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	10	1.0 U	-	-	5 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	5	1.0 U	-	-	10 U	2.0 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	10	-	-	-	2 U	-	-	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	2 U	-	-	-	-	-	-
N-Propylbenzene	µg/L	5	1.0 U	-	-	2 U	-	-	-	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	1.0 U	-	-	2 U	1.0 U	1 UJ	1.0 U	1.0 U	1.0 U	1.0 U
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	1.0 U	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	5	1.0 U	-	-	2 U	1.0 U	1 U	0.18 J	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	5	1.0 U	-	-	2 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	-	1.0 U	-	-	-	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	5	1.4	**26**	**28**	**21.7**	1.0 U	**13**	**14**	**8.7**	**6.0**	**5.7**
Trichlorofluoromethane (CFC-11)	µg/L	5	1.0 U	-	-	2 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	5	1.0 U	-	-	-	-	-	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	1.0 U	-	-	10 U	2.0 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	5	3.0 U	-	-	2 U	3.0 U	3 U	3.0 U	3.0 U	3.0 U	3.0 U
Semi-volatiles												
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	2 U	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	-	2 U	10 U	10 U	-	-	-	-
1,2-Dichlorobenzene	µg/L	3	-	-	-	2 U	10 U	10 U	-	-	-	-
1,2-Diphenylhydrazine	µg/L	-	-	-	-	2 U	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	-	-	-	2 U	10 U	10 U	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	-	-	-	2 U	10 U	10 U	-	-	-	-
1-Chloronaphthalene	µg/L	-	-	-	-	2 U	-	-	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	5 U	-	-	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	5	-	-	-	10 U	10 U	10 U	2.2 U	-	-	-
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	20 U	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	10 U	10 U	10 U	11 U	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	10 U	10 U	10 U	11 U	-	-	-
2,4-Dichlorophenol	µg/L	5	-	-	-	5 U	10 U	10 U	2.2 U	-	-	-
2,4-Dimethylphenol	µg/L	50	-	-	-	5 U	10 U	10 U	11 U	-	-	-
2,4-Dinitrophenol	µg/L	10	-	-	-	-	50 U	50 UJ	56 U	-	-	-
2,4-Dinitrotoluene	µg/L	5	-	-	-	5 U	10 U	10 U	11 U	-	-	-
2,6-Dichlorophenol	µg/L	-	-	-	-	5 U	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	-	-	-	5 U	10 U	10 U	11 U	-	-	-
2-Chloronaphthalene	µg/L	10	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
2-Chlorophenol	µg/L	-	-	-	-	5 U	10 U	10 U	11 U	-	-	-
2-Methylnaphthalene	µg/L	-	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
2-Methylphenol	µg/L	-	-	-	-	5 U	10 U	10 U	11 U	-	-	-
2-Naphthylamine	µg/L	-	-	-	-	5 U	-	-	-	-	-	-
2-Nitroaniline	µg/L	5	-	-	-	20 U	50 U	50 U	56 U	-	-	-
2-Nitrophenol	µg/L	-	-	-	-	10 U	10 U	10 U	11 U	-	-	-
2-Picoline	µg/L	-	-	-	-	10 U	-	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	5 U	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-15*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*
Sample ID:			*GW-18631-120611-009*	*GT-16*	*GT-17*	*GT-16*	*GW-18631-RW-019*	*GW-18631-RW-24*	*GW-18631-100109-RR-011*	*GW-18631-101111-AW-002*	*GW-18631-120511-003*	*GW-18631-120511-005*
Sample Date:			*12/6/2011*	*9/8/1992*	*9/8/1992*	*12/13/1994*	*10/17/2001*	*4/4/2002*	*10/1/2009*	*10/11/2011*	*12/5/2011*	*12/5/2011*
					Duplicate							*Duplicate*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*										
3,3'-Dichlorobenzidine	µg/L	5	-	-	-	5 U	50 U	R	11 U	-	-	-
3-Methylcholanthrene	µg/L	-	-	-	-	5 U	-	-	-	-	-	-
3-Nitroaniline	µg/L	5	-	-	-	20 U	50 U	50 U	56 U	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	50 U	50 U	50 UJ	56 U	-	-	-
4-Aminobiphenyl	µg/L	5	-	-	-	2 U	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	2 U	10 U	10 U	11 U	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	10 U	10 U	10 U	11 U	-	-	-
4-Chloroaniline	µg/L	5	-	-	-	5 U	10 U	10 U	11 U	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	2 U	10 U	10 U	11 U	-	-	-
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	5 U	-	-	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-	-	10 U	10 U	11 U	-	-	-
4-Nitroaniline	µg/L	5	-	-	-	20 U	50 U	50 U	56 U	-	-	-
4-Nitrophenol	µg/L	-	-	-	-	-	50 UJ	50 U	56 U	-	-	-
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	10 U	-	-	-	-	-	-
Acenaphthene	µg/L	20	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Acenaphthylene	µg/L	-	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Acetophenone	µg/L	-	-	-	-	2 U	-	-	11 U	-	-	-
Aldrin	µg/L	-	-	-	-	10 U	-	-	-	-	-	-
Anthracene	µg/L	50	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Atrazine	µg/L	7.5	-	-	-	-	-	-	11 U	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-	-	-	11 U	-	-	-
Benzidine	µg/L	5	-	-	-	10 U	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Benzo(a)pyrene	µg/L	-	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Benzo(b)fluoranthene	µg/L	0.002	-	-	-	-	10 U	10 U	2.2 U	-	-	-
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	2 U	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Benzo(k)fluoranthene	µg/L	0.002	-	-	-	-	10 U	10 U	2.2 U	-	-	-
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	10 U	-	-	-	-	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	10 U	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	-	-	-	-	-	-	11 U	-	-	-
bis(2-Chloroethoxy)methane	µg/L	5	-	-	-	2 U	10 U	10 U	11 U	-	-	-
bis(2-Chloroethyl)ether	µg/L	1	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	-	3 U	10 U	10 U	10 U	10 U	11 U	-	-	-
Butyl benzylphthalate (BBP)	µg/L	50	-	-	7 J	10 U	10 U	10 U	11 U	-	-	-
Caprolactam	µg/L	-	-	-	-	-	-	-	56 U	-	-	-
Carbazole	µg/L	-	-	-	-	-	10 U	10 U	2.2 U	-	-	-
Chlordane	µg/L	0.05	-	-	-	30 U	-	-	-	-	-	-
Chrysene	µg/L	0.002	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Dibenz(a,j)acridine	µg/L	-	-	-	-	2 U	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	2 U	10 U	10 U	11 U	-	-	-
Diethyl phthalate	µg/L	50	-	-	-	10 U	10 U	10 U	11 U	-	-	-
Dimethyl phthalate	µg/L	50	-	-	-	10 U	10 U	10 U	11 U	-	-	-
Di-n-butylphthalate (DBP)	µg/L	50	-	-	-	10 U	10 U	10 U	11 U	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	50	-	-	3 U	10 U	10 U	10 U	11 U	-	-	-
Ethyl methanesulfonate	µg/L	-	-	-	-	5 U	-	-	-	-	-	-
Fluoranthene	µg/L	50	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Fluorene	µg/L	50	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Hexachlorobenzene	µg/L	0.04	-	-	-	5 U	10 U	10 U	2.2 U	-	-	-
Hexachlorobutadiene	µg/L	0.5	-	-	-	5 U	10 U	10 U	2.2 U	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-15*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*
Sample ID:			*GW-18631-120611-009*	*GT-16*	*GT-17*	*GT-16*	*GW-18631-RW-019*	*GW-18631-RW-24*	*GW-18631-100109-RR-011*	*GW-18631-101111-AW-002*	*GW-18631-120511-003*	*GW-18631-120511-005*
Sample Date:			*12/6/2011*	*9/8/1992*	*9/8/1992*	*12/13/1994*	*10/17/2001*	*4/4/2002*	*10/1/2009*	*10/11/2011*	*12/5/2011*	*12/5/2011*
					Duplicate							*Duplicate*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*										
Hexachlorocyclopentadiene	µg/L	5	-	-	-	20 U	50 U	50 U	11 U	-	-	-
Hexachloroethane	µg/L	5	-	-	-	5 U	10 U	10 U	11 U	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Isophorone	µg/L	50	-	-	-	2 U	10 U	10 U	11 U	-	-	-
Methyl methanesulfonate	µg/L	-	-	-	-	10 U	-	-	-	-	-	-
Naphthalene	µg/L	10	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Nitrobenzene	µg/L	0.4	-	-	-	5 U	10 U	10 U	2.2 U	-	-	-
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	5 U	-	-	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	10 U	-	-	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	5 U	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	10 U	10 U	10 U	2.2 U	-	-	-
N-Nitrosodiphenylamine	µg/L	50	-	-	-	-	10 U	10 U	2.2 U	-	-	-
N-Nitrosopiperidine	µg/L	-	-	-	-	10 U	-	-	-	-	-	-
Pentachlorophenol	µg/L	1	-	-	-	50 U	50 U	50 U	11 U	-	-	-
Phenacetin	µg/L	-	-	-	-	5 U	-	-	-	-	-	-
Phenanthrene	µg/L	50	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Phenol	µg/L	1	-	-	-	5 U	10 U	10 U	2.2 U	-	-	-
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	5 U	-	-	-	-	-	-
Pyrene	µg/L	50	-	-	-	2 U	10 U	10 U	2.2 U	-	-	-
Pyridine	µg/L	50	-	-	-	10 U	-	-	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	20 U	-	-	-	-	-	-
Metals												
Aluminum	µg/L	-	-	1310	987	-	544	200 U	-	-	-	-
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	3	-	-	-	-	4.1 U	60 U	-	-	-	-
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	-	1.2 J	1.5 J	-	2.1	10 U	-	-	-	-
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	1000	-	74.2 B	68.8 B	-	38.7	41	-	-	-	-
Barium (dissolved)	µg/L	1000	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	3	-	-	-	-	0.090 U	5 U	-	-	-	-
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	-	-	-	-	0.63 U	5 U	-	-	-	-
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-	-
Calcium	µg/L	-	-	121000	112000	-	116000	90200	-	-	-	-
Calcium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	50	-	4.5 B	3.8 B	-	**99.6**	10 U	-	-	-	-
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	-	-	2.6 U	50 U	-	-	-	-
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	-	5.9 B	6.7 B	-	3.8 U	25 U	-	-	-	-
Copper (dissolved)	µg/L	200	-	-	-	-	-	-	-	-	-	-
Iron	µg/L	300	-	**3040 J**	**2550 J**	-	**1300**	100 U	-	-	-	-
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	25	-	3.8	4.3	-	1.8 U	3 U	-	-	-	-
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-
Magnesium	µg/L	35000	-	17400	16300	-	11700	13900	-	-	-	-
Magnesium (dissolved)	µg/L	35000	-	-	-	-	-	-	-	-	-	-
Manganese	µg/L	300	-	133	118	-	23.2	10	-	-	-	-
Manganese (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-15*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*
Sample ID:			*GW-18631-120611-009*	*GT-16*	*GT-17*	*GT-16*	*GW-18631-RW-019*	*GW-18631-RW-24*	*GW-18631-100109-RR-011*	*GW-18631-101111-AW-002*	*GW-18631-120511-003*	*GW-18631-120511-005*
Sample Date:			*12/6/2011*	*9/8/1992*	*9/8/1992*	*12/13/1994*	*10/17/2001*	*4/4/2002*	*10/1/2009*	*10/11/2011*	*12/5/2011*	*12/5/2011*
					Duplicate							*Duplicate*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*										
Mercury	µg/L	0.7	-	-	-	-	0.054 U	0.2 U	-	-	-	-
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	-	-	-	-	52.2	40 U	-	-	-	-
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-	-
Potassium	µg/L	-	-	1510 B	1280 B	-	1420 U	910	-	-	-	-
Potassium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	10	-	-	-	-	3.2 U	5 U	-	-	-	-
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	-	-	-	-	0.75 U	10 U	-	-	-	-
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	-	**35600**	**36400**	-	**58900**	**42100 J**	-	-	-	-
Sodium (dissolved)	µg/L	20000	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	0.5	-	-	-	-	5.7 U	10 U	-	-	-	-
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	-	4.7 B	5.2 B	-	5.2 U	50 U	-	-	-	-
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	-	15.5 J	15 J	-	3.8	20 U	-	-	-	-
Zinc (dissolved)	µg/L	2000	-	-	-	-	-	-	-	-	-	-
PCBs												
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	-	-	-	30 U	1.0 U	-	-	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	-	-	-	30 U	1.0 U	-	-	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	-	-	-	30 U	1.0 U	-	-	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	-	-	-	30 U	1.0 U	-	-	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	-	-	-	30 U	1.0 U	-	-	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	-	-	-	30 U	1.0 U	-	-	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	-	-	-	30 U	1.0 U	-	-	-	-	-
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-	-	-
Pesticides												
4,4'-DDD	µg/L	0.3	-	-	-	20 U	0.050 U	-	-	-	-	-
4,4'-DDE	µg/L	0.2	-	-	-	20 U	0.050 U	-	-	-	-	-
4,4'-DDT	µg/L	0.2	-	-	-	20 U	0.050 U	-	-	-	-	-
Aldrin	µg/L	-	-	-	-	-	0.050 U	-	-	-	-	-
alpha-BHC	µg/L	0.01	-	-	-	10 U	0.050 U	-	-	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	-	-	-	-	0.050 U	-	-	-	-	-
Chlordane	µg/L	0.05	-	-	-	-	0.50 U	-	-	-	-	-
delta-BHC	µg/L	0.04	-	-	-	10 U	0.050 U	-	-	-	-	-
Dieldrin	µg/L	0.004	-	-	-	10 U	0.050 U	-	-	-	-	-
Endosulfan I	µg/L	-	-	-	-	20 U	0.050 U	-	-	-	-	-
Endosulfan II	µg/L	-	-	-	-	20 U	0.050 U	-	-	-	-	-
Endosulfan sulfate	µg/L	-	-	-	-	20 U	0.050 U	-	-	-	-	-
Endrin	µg/L	-	-	-	-	20 U	0.050 U	-	-	-	-	-
Endrin aldehyde	µg/L	5	-	-	-	20 U	0.050 U	-	-	-	-	-
Endrin ketone	µg/L	5	-	-	-	-	0.050 U	-	-	-	-	-
gamma-BHC (lindane)	µg/L	0.05	-	-	-	-	0.050 U	-	-	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	-	-	-	10 U	0.050 U	-	-	-	-	-
Heptachlor epoxide	µg/L	0.03	-	-	-	20 U	0.050 U	-	-	-	-	-
Methoxychlor	µg/L	35	-	-	-	5 U	0.10 U	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*GT-15*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*	*GT-16*
Sample ID:			*GW-18631-120611-009*	*GT-16*	*GT-17*	*GT-16*	*GW-18631-RW-019*	*GW-18631-RW-24*	*GW-18631-100109-RR-011*	*GW-18631-101111-AW-002*	*GW-18631-120511-003*	*GW-18631-120511-005*
Sample Date:			*12/6/2011*	*9/8/1992*	*9/8/1992*	*12/13/1994*	*10/17/2001*	*4/4/2002*	*10/1/2009*	*10/11/2011*	*12/5/2011*	*12/5/2011*
					Duplicate							*Duplicate*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***										
Toxaphene	µg/L	0.06	-	-	-	-	2.0 U	-	-	-	-	-
Petroleum Products												
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	-	-	-	-	-	-	100 UJ	-	-	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	-	-	-	-	490 U	470 U	-	-	-	-
General Chemistry												
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	-	-	-	-	10.0 U	-	-	-	-	-
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	-	-	-	-	10 U	-	-	-	-	-
Sulfide	µg/L	50	-	-	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
- Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*Rinse Blank*	*Rinse Blank*	*SMW-1*	*SMW-1*	*SMW-1*	*SMW-1*	*SMW-2*	*SMW-2*	*SMW-2*	*SMW-2*	*VRI-1*
Sample ID:			*GW-18631-RW-015*	*GW-18631-RW-19*	*SMW-1*	*GW-18631-RW-014*	*GW-18631-RW-17*	*GW-18631-093009-BP-002*	*SMW-2*	*GW-18631-RW-012*	*GW-18631-RW-16*	*GW-18631-093009-BP-004*	*GW-18631-RW-024*
Sample Date:			*10/17/2001*	*4/3/2002*	*9/27/1991*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*9/27/1991*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*											
Volatiles													
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
1,1,2-Trichloroethane	µg/L	1	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
1,1-Dichloroethane	µg/L	5	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
1,1-Dichloroethene	µg/L	5	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
1,1-Dichloropropene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	-	-	-	1.0 U	-	-	-	1.0 U	-
1,2,4-Trimethylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	-	-	-	-	-	1.0 U	-	-	-	1.0 U	-
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	-	-	-	-	-	1.0 U	-	-	-	1.0 U	-
1,2-Dichlorobenzene	µg/L	3	-	-	5 U	-	-	1.0 U	5 U	-	-	1.0 U	-
1,2-Dichloroethane	µg/L	0.6	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
1,2-Dichloroethene (total)	µg/L	5	-	-	5 U	-	-	-	5 U	-	-	-	-
1,2-Dichloropropane	µg/L	1	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
1,3,5-Trimethylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	-	-	-	-	-	1.0 U	-	-	-	1.0 U	-
1,3-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	-	-	-	-	-	1.0 U	-	-	-	1.0 U	-
2,2-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	5.0 U	5 U	-	5.0 U	5 U	5.0 U	-	5.0 U	5 U	5.0 U	100 UJ
2-Chloroethyl vinyl ether	µg/L	-	-	-	10 U	-	-	-	10 U	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	5.0 U	5 UJ	-	5.0 U	5 UJ	5.0 U	-	5.0 U	5 UJ	5.0 U	100 UJ
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	5.0 U	5 U	-	5.0 U	5 U	5.0 U	-	5.0 U	5 U	5.0 U	100 U
Acetone	µg/L	50	4.3 J	10 UJ	-	10 UJ	10 UJ	5.0 U	-	10 UJ	10 UJ	3.3 J	200 UJ
Benzene	µg/L	1	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
Bromobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
Bromoform	µg/L	50	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
Bromomethane (Methyl bromide)	µg/L	5	1.0 U	2 U	10 U	1.0 U	2 U	1.0 UJ	10 U	1.0 U	2 U	1.0 UJ	20 U
Carbon disulfide	µg/L	6060	1.0 U	1 U	-	1.0 U	1 U	1.0 U	-	1.0 U	1 U	1.0 U	20 U
Carbon tetrachloride	µg/L	5	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
Chlorobenzene	µg/L	5	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
Chlorobromomethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	µg/L	5	2.0 U	2 U	10 U	2.0 U	2 U	1.0 U	10 U	2.0 U	2 U	1.0 U	40 UJ
Chloroform (Trichloromethane)	µg/L	7	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
Chloromethane (Methyl chloride)	µg/L	5	2.0 U	2 UJ	10 U	2.0 U	2 UJ	1.0 U	10 U	2.0 U	2 UJ	1.0 U	40 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1 U	-	1.0 U	1 U	1.0 U	-	1.0 U	1 U	1.0 U	20 U
cis-1,3-Dichloropropene	µg/L	-	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
Cyclohexane	µg/L	-	-	-	-	-	-	1.0 U	-	-	-	1.0 U	-
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
Dibromomethane	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	-	-	-	-	-	1.0 U	-	-	-	1.0 U	-
Ethylbenzene	µg/L	5	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*Rinse Blank*	*Rinse Blank*	*SMW-1*	*SMW-1*	*SMW-1*	*SMW-1*	*SMW-2*	*SMW-2*	*SMW-2*	*SMW-2*	*VRI-1*
Sample ID:			*GW-18631-RW-015*	*GW-18631-RW-19*	*SMW-1*	*GW-18631-RW-014*	*GW-18631-RW-17*	*GW-18631-093009-BP-002*	*SMW-2*	*GW-18631-RW-012*	*GW-18631-RW-16*	*GW-18631-093009-BP-004*	*GW-18631-RW-024*
Sample Date:			*10/17/2001*	*4/3/2002*	*9/27/1991*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*9/27/1991*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*											
Isopropyl benzene	µg/L	5	-	-	-	-	-	1.0 U	-	-	-	1.0 U	-
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	-	-	-	-	-	1.0 U	-	-	-	1.0 U	-
Methyl cyclohexane	µg/L	-	-	-	-	-	-	1.0 U	-	-	-	1.0 U	-
Methyl tert butyl ether (MTBE)	µg/L	10	-	-	-	-	-	1.0 U	-	-	-	1.0 U	-
Methylene chloride	µg/L	5	2.0 U	2 U	5 U	2.0 U	2 U	0.32 J	5 U	2.0 U	2 U	0.17 J	40 U
Naphthalene	µg/L	10	-	-	-	-	-	-	-	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
N-Propylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	1.0 U	1 U	-	1.0 U	1 U	1.0 U	-	1.0 U	1 U	1.0 U	20 U
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
Toluene	µg/L	5	1.0 U	1 U	5 U	1.0 U	1 U	1.0 U	5 U	1.0 U	1 U	1.0 U	20 U
trans-1,2-Dichloroethene	µg/L	5	1.0 U	1 U	-	1.0 U	1 U	1.0 U	-	1.0 U	1 U	1.0 U	20 U
trans-1,3-Dichloropropene	µg/L	-	1.0 U	1 U	-	1.0 U	1 U	1.0 U	-	1.0 U	1 U	1.0 U	20 U
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	5	1.0 U	1 U	5 U	1.0 U	0.59 J	0.43 J	5 U	1.0 U	1 U	0.16 J	20 U
Trichlorofluoromethane (CFC-11)	µg/L	5	-	-	5 U	-	-	1.0 U	5 U	-	-	1.0 U	-
Trifluorotrichloroethane (Freon 113)	µg/L	5	-	-	-	-	-	1.0 U	-	-	-	1.0 U	-
Vinyl acetate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	2.0 U	2 U	10 U	2.0 U	2 U	1.0 U	10 U	2.0 U	2 U	1.0 U	40 U
Xylenes (total)	µg/L	5	3.0 U	3 U	-	3.0 U	3 U	3.0 U	-	3.0 U	3 U	3.0 U	670
Semi-volatiles													
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	10 U	10 U	10 U	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	10 U	10 U	-	10 U
1,2-Diphenylhydrazine	µg/L	-	-	-	10 U	-	-	-	10 U	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	10 U	10 U	10 U	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	10 U	10 U	-	10 U
1-Chloronaphthalene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	5	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	10 U	10 U	-	10 U	10 U	9.9 U	-	10 U	10 U	9.7 U	10 U
2,4,6-Trichlorophenol	µg/L	-	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
2,4-Dichlorophenol	µg/L	5	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
2,4-Dimethylphenol	µg/L	50	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
2,4-Dinitrophenol	µg/L	10	50 U	50 UJ	50 U	50 U	50 UJ	50 U	50 U	50 U	50 UJ	48 U	50 U
2,4-Dinitrotoluene	µg/L	5	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
2,6-Dichlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
2-Chloronaphthalene	µg/L	10	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
2-Chlorophenol	µg/L	-	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
2-Methylnaphthalene	µg/L	-	10 U	10 U	-	10 U	10 U	2.0 U	-	10 U	10 U	1.9 U	10 U
2-Methylphenol	µg/L	-	10 U	10 U	-	10 U	10 U	9.9 U	-	10 U	10 U	9.7 U	10 U
2-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	µg/L	5	50 U	50 U	-	50 U	50 U	50 U	-	50 U	50 U	48 U	50 U
2-Nitrophenol	µg/L	-	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
2-Picoline	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*Rinse Blank*	*Rinse Blank*	*SMW-1*	*SMW-1*	*SMW-1*	*SMW-1*	*SMW-2*	*SMW-2*	*SMW-2*	*SMW-2*	*VRI-1*
Sample ID:			*GW-18631-RW-015*	*GW-18631-RW-19*	*SMW-1*	*GW-18631-RW-014*	*GW-18631-RW-17*	*GW-18631-093009-BP-002*	*SMW-2*	*GW-18631-RW-012*	*GW-18631-RW-16*	*GW-18631-093009-BP-004*	*GW-18631-RW-024*
Sample Date:			*10/17/2001*	*4/3/2002*	*9/27/1991*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*9/27/1991*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*											
3,3'-Dichlorobenzidine	µg/L	5	50 U	R	20 U	50 U	R	9.9 U	20 U	50 U	R	9.7 U	50 U
3-Methylcholanthrene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	µg/L	5	50 U	50 U	-	50 U	50 U	50 U	-	50 U	50 U	48 U	50 U
4,6-Dinitro-2-methylphenol	µg/L	-	50 U	50 UJ	-	50 U	50 UJ	50 U	-	50 U	50 UJ	48 U	50 U
4-Aminobiphenyl	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
4-Chloro-3-methylphenol	µg/L	-	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
4-Chloroaniline	µg/L	5	10 U	10 U	-	10 U	10 U	9.9 U	-	10 U	10 U	9.7 U	10 U
4-Chlorophenyl phenyl ether	µg/L	-	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	50 U	-	-	-	50 U	-	-	-	-
4-Methylphenol	µg/L	-	10 U	10 U	-	10 U	10 U	9.9 U	-	10 U	10 U	9.7 U	10 U
4-Nitroaniline	µg/L	5	50 U	50 U	-	50 U	50 U	50 U	-	50 U	50 U	48 U	50 U
4-Nitrophenol	µg/L	-	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	48 U	50 UJ
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	µg/L	20	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Acenaphthylene	µg/L	-	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Acetophenone	µg/L	-	-	-	-	-	-	9.9 U	-	-	-	9.7 U	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	50	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Atrazine	µg/L	7.5	-	-	-	-	-	9.9 U	-	-	-	9.7 U	-
Benzaldehyde	µg/L	-	-	-	-	-	-	9.9 U	-	-	-	9.7 U	-
Benzidine	µg/L	5	-	-	80 U	-	-	-	80 U	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Benzo(a)pyrene	µg/L	-	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Benzo(b)fluoranthene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Benzo(k)fluoranthene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	-	-	-	-	-	9.9 U	-	-	-	9.7 U	-
bis(2-Chloroethoxy)methane	µg/L	5	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
bis(2-Chloroethyl)ether	µg/L	1	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
Butyl benzylphthalate (BBP)	µg/L	50	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
Caprolactam	µg/L	-	-	-	-	-	-	50 U	-	-	-	48 U	-
Carbazole	µg/L	-	10 U	10 U	-	10 U	10 U	2.0 U	-	10 U	10 U	1.9 U	10 U
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Dibenz(a,h)anthracene	µg/L	-	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	µg/L	-	10 U	10 U	-	10 U	10 U	9.9 U	-	10 U	10 U	9.7 U	10 U
Diethyl phthalate	µg/L	50	3.2 J	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
Dimethyl phthalate	µg/L	50	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
Di-n-butylphthalate (DBP)	µg/L	50	2.9 J	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
Di-n-octyl phthalate (DnOP)	µg/L	50	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
Ethyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	50	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Fluorene	µg/L	50	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Hexachlorobenzene	µg/L	0.04	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Hexachlorobutadiene	µg/L	0.5	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*Rinse Blank*	*Rinse Blank*	*SMW-1*	*SMW-1*	*SMW-1*	*SMW-1*	*SMW-2*	*SMW-2*	*SMW-2*	*SMW-2*	*VRI-1*
Sample ID:			*GW-18631-RW-015*	*GW-18631-RW-19*	*SMW-1*	*GW-18631-RW-014*	*GW-18631-RW-17*	*GW-18631-093009-BP-002*	*SMW-2*	*GW-18631-RW-012*	*GW-18631-RW-16*	*GW-18631-093009-BP-004*	*GW-18631-RW-024*
Sample Date:			*10/17/2001*	*4/3/2002*	*9/27/1991*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*9/27/1991*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*											
Hexachlorocyclopentadiene	µg/L	5	50 U	50 U	10 U	50 U	50 U	9.9 U	10 U	50 U	50 U	9.7 U	50 U
Hexachloroethane	µg/L	5	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	0.002	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Isophorone	µg/L	50	10 U	10 U	10 U	10 U	10 U	9.9 U	10 U	10 U	10 U	9.7 U	10 U
Methyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	10	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	2.7 J
Nitrobenzene	µg/L	0.4	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	10 U	-	-	-	10 U	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
N-Nitrosodiphenylamine	µg/L	50	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
N-Nitrosopiperidine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	µg/L	1	50 U	50 U	50 U	50 U	50 U	9.9 U	50 U	50 U	50 U	9.7 U	50 U
Phenacetin	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	50	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Phenol	µg/L	1	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	50	10 U	10 U	10 U	10 U	10 U	2.0 U	10 U	10 U	10 U	1.9 U	10 U
Pyridine	µg/L	50	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-	-	-	-
Metals													
Aluminum	µg/L	-	8.6 U	14.2	-	32.5 U	200 U	-	-	72.7 U	200 U	-	251
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	3	4.1 U	60 U	-	4.1 U	60 U	-	-	4.1 U	60 U	-	4.1 U
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	2.0 U	10 U	-	2.0 U	10 U	-	-	2.0 U	10 U	-	2.0 U
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	1000	0.44 U	200 U	-	58.5	61.6	-	-	41.2	48.3	-	45.2
Barium (dissolved)	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	3	0.077 U	0.48	-	0.077 U	5 U	-	-	0.23 U	5 U	-	0.090 U
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	0.63 U	5 U	-	0.63 U	5 U	-	-	0.63 U	5 U	-	0.63 U
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Calcium	µg/L	-	27.7 J	5000 U	-	143000 J	161000	-	-	119000 J	139000	-	120000
Calcium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	50	1.1 U	10 U	-	9.1	10 U	-	-	**133**	**212**	-	1.8
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	2.6 U	50 U	-	2.6 U	50 U	-	-	2.6 U	50 U	-	2.6 U
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	2.1 U	25 U	-	1.3 U	1.3	-	-	6.3 U	8.7	-	2.6 U
Copper (dissolved)	µg/L	200	-	-	-	-	-	-	-	-	-	-	-
Iron	µg/L	300	10.0 U	100 U	-	130	122	-	-	**1640**	**2000**	-	**336**
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	25	1.8 U	3 U	-	1.8 U	3 U	-	-	1.8 U	3 U	-	1.8 U
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-	-	-
Magnesium	µg/L	35000	21.3 U	5000 U	-	16400	19300	-	-	12300	14500	-	16000
Magnesium (dissolved)	µg/L	35000	-	-	-	-	-	-	-	-	-	-	-
Manganese	µg/L	300	0.75 U	15 U	-	19.2	9.8	-	-	21.0	6.2	-	209
Manganese (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*Rinse Blank*	*Rinse Blank*	*SMW-1*	*SMW-1*	*SMW-1*	*SMW-1*	*SMW-2*	*SMW-2*	*SMW-2*	*SMW-2*	*VRI-1*
Sample ID:			*GW-18631-RW-015*	*GW-18631-RW-19*	*SMW-1*	*GW-18631-RW-014*	*GW-18631-RW-17*	*GW-18631-093009-BP-002*	*SMW-2*	*GW-18631-RW-012*	*GW-18631-RW-16*	*GW-18631-093009-BP-004*	*GW-18631-RW-024*
Sample Date:			*10/17/2001*	*4/3/2002*	*9/27/1991*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*9/27/1991*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***											
Mercury	µg/L	0.7	0.094 U	0.2 U	-	0.061 U	0.2 U	-	-	0.085 U	0.2 U	-	0.054 U
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	7.9 U	40 U	-	40.8	48	-	-	36.5	40	-	7.9 U
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-	-	-
Potassium	µg/L	-	519 U	46.1	-	1020 U	816	-	-	772 U	691	-	1780 U
Potassium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	10	3.2 U	5 U	-	3.2 U	5 U	-	-	3.2 U	5 U	-	3.2 U
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	0.75 U	10 U	-	0.75 U	0.79	-	-	0.75 U	10 U	-	0.80
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	15.0 U	5000 U	-	**94100**	**77700**	-	-	**55400**	**52500**	-	7450
Sodium (dissolved)	µg/L	20000	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	0.5	5.7 U	10 U	-	5.7 U	10 U	-	-	7.0 U	10 U	-	5.7 U
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	4.1 U	50 U	-	4.1 U	50 U	-	-	4.1 U	50 U	-	6.4 U
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	3.2 U	20 U	-	6.0 U	5.2	-	-	3.2 U	20 U	-	3.2 U
Zinc (dissolved)	µg/L	2000	-	-	-	-	-	-	-	-	-	-	-
PCBs													
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	1.0 U	-	-	1.0 U	-	-	-	1.0 U	-	-	1.0 U
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	1.0 U	-	-	1.0 U	-	-	-	1.0 U	-	-	1.0 U
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	1.0 U	-	-	1.0 U	-	-	-	1.0 U	-	-	1.0 U
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	1.0 U	-	-	1.0 U	-	-	-	1.0 U	-	-	1.0 U
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	1.0 U	-	-	1.0 U	-	-	-	1.0 U	-	-	1.0 U
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	1.0 U	-	-	1.0 U	-	-	-	1.0 U	-	-	1.0 U
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	1.0 U	-	-	1.0 U	-	-	-	1.0 U	-	-	1.0 U
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-	-	-	-
Pesticides													
4,4'-DDD	µg/L	0.3	0.050 U	-	-	0.050 U	-	-	-	0.050 U	-	-	0.050 U
4,4'-DDE	µg/L	0.2	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
Aldrin	µg/L	-	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
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	0.050 U	-	-	0.050 U	-	-	-	0.050 U	-	-	0.050 U
Chlordane	µg/L	0.05	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
Dieldrin	µg/L	0.004	0.050 U	-	-	0.050 U	-	-	-	0.050 U	-	-	**0.0051 J**
Endosulfan I	µg/L	-	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
Endosulfan sulfate	µg/L	-	0.050 U	-	-	0.050 U	-	-	-	0.050 U	-	-	0.050 U
Endrin	µg/L	-	0.050 U	-	-	0.050 U	-	-	-	0.050 U	-	-	0.026 J
Endrin aldehyde	µg/L	5	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
gamma-BHC (lindane)	µg/L	0.05	0.050 U	-	-	0.050 U	-	-	-	0.050 U	-	-	0.050 U
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	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
Methoxychlor	µg/L	35	0.10 U	-	-	0.10 U	-	-	-	0.10 U	-	-	0.10 U

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*Rinse Blank*	*Rinse Blank*	*SMW-1*	*SMW-1*	*SMW-1*	*SMW-1*	*SMW-2*	*SMW-2*	*SMW-2*	*SMW-2*	*VRI-1*
Sample ID:			*GW-18631-RW-015*	*GW-18631-RW-19*	*SMW-1*	*GW-18631-RW-014*	*GW-18631-RW-17*	*GW-18631-093009-BP-002*	*SMW-2*	*GW-18631-RW-012*	*GW-18631-RW-16*	*GW-18631-093009-BP-004*	*GW-18631-RW-024*
Sample Date:			*10/17/2001*	*4/3/2002*	*9/27/1991*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*9/27/1991*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***											
Toxaphene	µg/L	0.06	2.0 U	-	-	2.0 U	-	-	-	2.0 U	-	-	2.0 U
Petroleum Products													
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	-	-	-	-	-	100 UJ	-	-	-	100 UJ	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	470 U	470 U	-	470 U	470 U	-	-	470 U	470 U	-	6800
General Chemistry													
Conductivity	µmhos/cm	-	-	-	1140	-	-	-	1230	-	-	-	-
Cyanide (total)	µg/L	200	10.0 U	-	10 U	10.0 U	-	-	10 U	10.0 U	-	-	10.0 U
pH (water)	s.u.	6.5-8.5	-	-	7.2	-	-	-	7.2	-	-	-	-
Phenolics (total)	µg/L	1	10 U	-	-	10 U	-	-	-	10 U	-	-	10 U
Sulfide	µg/L	50	-	-	1700	-	-	-	720	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
 - Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-2*	*VRI-2*	*VRI-2*
Sample ID:			*GW-18631-RW-06*	*GW-18631-RW-07*	*GW-18631-100509-BP-014*	*GW-18631-122209-RR-002*	*GW-18631-101211-AW-009*	*GW-18631-120711-011*	*GW-18631-RW-023*	*GW-18631-RW-09*	*GW-18631-100609-BP-018*
Sample Date:			*4/2/2002*	*4/2/2002*	*10/5/2009*	*12/22/2009*	*10/12/2011*	*12/7/2011*	*10/18/2001*	*4/2/2002*	*10/6/2009*
				Duplicate							
Parameters	*Units*	*NYSDEC GA Groundwater Standards*									
Volatiles											
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	5	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
1,1,2-Trichloroethane	µg/L	1	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
1,1-Dichloroethane	µg/L	5	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
1,1-Dichloroethene	µg/L	5	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
1,1-Dichloropropene	µg/L	5	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	25 U	50 U	400 U	1.0 UJ	400 U	25 U	-	1 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5	-	-	400 U	1.0 U	400 UJ	25 U	-	-	1.0 U
1,2,4-Trimethylbenzene	µg/L	5	**1500**	**1100**	**14000**	**3700**	**6200**	**4900**	-	1 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	-	-	400 U	1.0 U	400 U	25 U	-	-	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	-	-	400 U	1.0 U	400 U	25 U	-	-	1.0 U
1,2-Dichlorobenzene	µg/L	3	-	-	400 U	1.0 U	400 U	25 U	-	-	1.0 U
1,2-Dichloroethane	µg/L	0.6	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	5	**510**	**370**	**5400**	**1500**	**3200**	**2500**	-	1 U	1.0 U
1,3-Dichlorobenzene	µg/L	3	-	-	400 U	1.0 U	400 U	25 U	-	-	1.0 U
1,3-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	-	-	400 U	1.0 U	400 U	25 U	-	-	1.0 U
2,2-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	120 UJ	250 UJ	2000 U	3.8 J	2000 U	130 U	5.0 U	5 UJ	5.0 U
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	120 UJ	250 UJ	2000 U	0.39 J	2000 U	130 U	5.0 U	5 UJ	5.0 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	120 U	250 U	2000 U	5.0 U	2000 U	130 U	5.0 U	5 U	5.0 U
Acetone	µg/L	50	250 UJ	500 UJ	2000 U	19	2000 U	130 U	10 UJ	10 UJ	3.2 J
Benzene	µg/L	1	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
Bromobenzene	µg/L	5	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
Bromoform	µg/L	50	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5	50 U	100 U	400 U	1.0 U	400 U	25 U	1.0 U	2 U	1.0 U
Carbon disulfide	µg/L	6060	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
Carbon tetrachloride	µg/L	5	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
Chlorobenzene	µg/L	5	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
Chlorobromomethane	µg/L	5	-	-	-	-	-	-	-	-	-
Chloroethane	µg/L	5	50 U	100 UJ	400 U	1.0 U	400 U	25 U	2.0 U	2 U	1.0 U
Chloroform (Trichloromethane)	µg/L	7	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5	50 U	100 U	400 U	1.0	400 U	25 U	2.0 U	2 U	1.0 U
cis-1,2-Dichloroethene	µg/L	5	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
cis-1,3-Dichloropropene	µg/L	-	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
Cyclohexane	µg/L	-	-	-	400 U	1.0 U	400 U	25 U	-	-	1.0 U
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
Dibromomethane	µg/L	5	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	-	-	400 U	1.0 U	400 U	25 U	-	-	1.0 U
Ethylbenzene	µg/L	5	25 U	50 U	400 U	**18**	400 U	**8.4**	1.0 U	1 U	1.0 U
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-2*	*VRI-2*	*VRI-2*
Sample ID:			*GW-18631-RW-06*	*GW-18631-RW-07*	*GW-18631-100509-BP-014*	*GW-18631-122209-RR-002*	*GW-18631-101211-AW-009*	*GW-18631-120711-011*	*GW-18631-RW-023*	*GW-18631-RW-09*	*GW-18631-100609-BP-018*
Sample Date:			*4/2/2002*	*4/2/2002*	*10/5/2009*	*12/22/2009*	*10/12/2011*	*12/7/2011*	*10/18/2001*	*4/2/2002*	*10/6/2009*
				Duplicate							
Parameters	*Units*	*NYSDEC GA Groundwater Standards*									
Isopropyl benzene	µg/L	5	85 J	39 J	820	250	110 J	89	-	1 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	-	-	400 U	1.0 U	400 U	25 U	-	-	1.0 U
Methyl cyclohexane	µg/L	-	-	-	400 U	1.0 U	400 U	25 U	-	-	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	10	-	-	400 U	1.0 U	400 U	25 U	-	-	1.0 U
Methylene chloride	µg/L	5	50 U	380 J	400 U	1.0 U	400 U	9.1	2.0 U	2 U	0.71 J
Naphthalene	µg/L	10	-	-	-	-	-	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-
N-Propylbenzene	µg/L	5	110 J	940 J	870	230	400 U	53	-	1 U	1.0 U
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
Toluene	µg/L	5	25 U	50 U	400 U	1.8	400 U	4.5	1.0 U	0.34 J	1.0 U
trans-1,2-Dichloroethene	µg/L	5	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
trans-1,3-Dichloropropene	µg/L	-	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	5	25 U	50 U	400 U	1.0 U	400 U	25 U	1.0 U	1 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	5	-	-	400 U	1.0 U	400 U	25 U	-	-	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	5	-	-	400 U	1.0 U	400 U	25 U	-	-	1.0 U
Vinyl acetate	µg/L	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	50 U	100 U	400 U	1.0 U	400 U	25 U	2.0 U	2 U	1.0 U
Xylenes (total)	µg/L	5	880 J	510 J	8700	3100	3700	3800	3.0 U	3 U	3.0 U
Semi-volatiles											
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	10 U	10 U	-	-	-	-	10 U	10 U	-
1,2-Dichlorobenzene	µg/L	3	10 U	10 U	-	-	-	-	10 U	10 U	-
1,2-Diphenylhydrazine	µg/L	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	10 U	10 U	-	-	-	-	10 U	10 U	-
1,4-Dichlorobenzene	µg/L	3	10 U	10 U	-	-	-	-	10 U	10 U	-
1-Chloronaphthalene	µg/L	-	-	-	-	-	-	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	5	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
2,4,6-Trichlorophenol	µg/L	-	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
2,4-Dichlorophenol	µg/L	5	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
2,4-Dimethylphenol	µg/L	50	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
2,4-Dinitrophenol	µg/L	10	50 UJ	50 UJ	50 U	-	-	-	50 U	50 UJ	47 U
2,4-Dinitrotoluene	µg/L	5	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
2,6-Dichlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
2-Chloronaphthalene	µg/L	10	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
2-Chlorophenol	µg/L	-	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
2-Methylnaphthalene	µg/L	-	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
2-Methylphenol	µg/L	-	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
2-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	µg/L	5	50 U	50 U	50 U	-	-	-	50 U	50 U	47 U
2-Nitrophenol	µg/L	-	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
2-Picoline	µg/L	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-2*	*VRI-2*	*VRI-2*
Sample ID:			*GW-18631-RW-06*	*GW-18631-RW-07*	*GW-18631-100509-BP-014*	*GW-18631-122209-RR-002*	*GW-18631-101211-AW-009*	*GW-18631-120711-011*	*GW-18631-RW-023*	*GW-18631-RW-09*	*GW-18631-100609-BP-018*
Sample Date:			*4/2/2002*	*4/2/2002*	*10/5/2009*	*12/22/2009*	*10/12/2011*	*12/7/2011*	*10/18/2001*	*4/2/2002*	*10/6/2009*
				Duplicate							
Parameters	*Units*	*NYSDEC GA Groundwater Standards*									
3,3'-Dichlorobenzidine	µg/L	5	50 U	50 U	9.9 U	-	-	-	50 U	50 U	9.4 U
3-Methylcholanthrene	µg/L	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	µg/L	5	50 U	50 U	50 U	-	-	-	50 U	50 U	47 U
4,6-Dinitro-2-methylphenol	µg/L	-	50 UJ	50 UJ	50 U	-	-	-	50 U	50 UJ	47 U
4-Aminobiphenyl	µg/L	5	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
4-Chloro-3-methylphenol	µg/L	-	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
4-Chloroaniline	µg/L	5	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
4-Chlorophenyl phenyl ether	µg/L	-	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	-	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	µg/L	-	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
4-Nitroaniline	µg/L	5	50 U	50 U	50 U	-	-	-	50 U	50 U	47 U
4-Nitrophenol	µg/L	-	50 U	50 U	50 U	-	-	-	50 UJ	50 U	47 U
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	-	-	-	-	-
Acenaphthene	µg/L	20	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Acenaphthylene	µg/L	-	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Acetophenone	µg/L	-	-	-	9.9 U	-	-	-	-	-	9.4 U
Aldrin	µg/L	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	50	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Atrazine	µg/L	7.5	-	-	9.9 U	-	-	-	-	-	9.4 U
Benzaldehyde	µg/L	-	-	-	9.9 U	-	-	-	-	-	9.4 U
Benzidine	µg/L	5	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Benzo(a)pyrene	µg/L	-	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Benzo(b)fluoranthene	µg/L	0.002	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Benzo(k)fluoranthene	µg/L	0.002	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	-	-	-	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	-	-	9.9 U	-	-	-	-	-	9.4 U
bis(2-Chloroethoxy)methane	µg/L	5	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
bis(2-Chloroethyl)ether	µg/L	1	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
Butyl benzylphthalate (BBP)	µg/L	50	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
Caprolactam	µg/L	-	-	-	50 U	-	-	-	-	-	47 U
Carbazole	µg/L	-	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	0.002	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Dibenz(a,h)anthracene	µg/L	-	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	µg/L	-	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
Diethyl phthalate	µg/L	50	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
Dimethyl phthalate	µg/L	50	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
Di-n-butylphthalate (DBP)	µg/L	50	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
Di-n-octyl phthalate (DnOP)	µg/L	50	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
Ethyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	50	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Fluorene	µg/L	50	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Hexachlorobenzene	µg/L	0.04	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Hexachlorobutadiene	µg/L	0.5	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-2*	*VRI-2*	*VRI-2*
Sample ID:			*GW-18631-RW-06*	*GW-18631-RW-07*	*GW-18631-100509-BP-014*	*GW-18631-122209-RR-002*	*GW-18631-101211-AW-009*	*GW-18631-120711-011*	*GW-18631-RW-023*	*GW-18631-RW-09*	*GW-18631-100609-BP-018*
Sample Date:			*4/2/2002*	*4/2/2002*	*10/5/2009*	*12/22/2009*	*10/12/2011*	*12/7/2011*	*10/18/2001*	*4/2/2002*	*10/6/2009*
				Duplicate							
Parameters	*Units*	*NYSDEC GA Groundwater Standards*									
Hexachlorocyclopentadiene	µg/L	5	50 U	50 U	9.9 U	-	-	-	50 U	50 U	9.4 U
Hexachloroethane	µg/L	5	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
Indeno(1,2,3-cd)pyrene	µg/L	0.002	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Isophorone	µg/L	50	10 U	10 U	9.9 U	-	-	-	10 U	10 U	9.4 U
Methyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	10	5 J	4.8 J	6.4	-	-	-	10 U	10 U	1.9 U
Nitrobenzene	µg/L	0.4	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
N-Nitrosodiphenylamine	µg/L	50	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
N-Nitrosopiperidine	µg/L	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	µg/L	1	50 U	50 U	9.9 U	-	-	-	50 U	50 U	9.4 U
Phenacetin	µg/L	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	50	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Phenol	µg/L	1	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	50	10 U	10 U	2.0 U	-	-	-	10 U	10 U	1.9 U
Pyridine	µg/L	50	-	-	-	-	-	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-	-
Metals											
Aluminum	µg/L	-	76.2	200 U	-	-	-	-	124	200 U	-
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	3	60 U	60 U	-	-	-	-	4.1 U	60 U	-
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	10 U	10 U	-	-	-	-	2.0 U	10 U	-
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-
Barium	µg/L	1000	43.9	42.5	-	-	-	-	40.4	43.8	-
Barium (dissolved)	µg/L	1000	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	3	5 U	5 U	-	-	-	-	0.12 U	5 U	-
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	5 U	5 U	-	-	-	-	0.63 U	5 U	-
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-
Calcium	µg/L	-	134000	131000	-	-	-	-	123000	123000	-
Calcium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	50	10 U	10 U	-	-	-	-	2.5	10 U	-
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	50 U	50 U	-	-	-	-	2.6 U	50 U	-
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	1.3	25 U	-	-	-	-	7.4 U	25 U	-
Copper (dissolved)	µg/L	200	-	-	-	-	-	-	-	-	-
Iron	µg/L	300	88.2	56.5	-	-	-	-	157	100 U	-
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-
Lead	µg/L	25	3 U	3 U	-	-	-	-	1.8 U	3 U	-
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-
Magnesium	µg/L	35000	16600	16400	-	-	-	-	15200	16500	-
Magnesium (dissolved)	µg/L	35000	-	-	-	-	-	-	-	-	-
Manganese	µg/L	300	538	525	-	-	-	-	19.4	3.8	-
Manganese (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-2*	*VRI-2*	*VRI-2*
Sample ID:			*GW-18631-RW-06*	*GW-18631-RW-07*	*GW-18631-100509-BP-014*	*GW-18631-122209-RR-002*	*GW-18631-101211-AW-009*	*GW-18631-120711-011*	*GW-18631-RW-023*	*GW-18631-RW-09*	*GW-18631-100609-BP-018*
Sample Date:			*4/2/2002*	*4/2/2002*	*10/5/2009*	*12/22/2009*	*10/12/2011*	*12/7/2011*	*10/18/2001*	*4/2/2002*	*10/6/2009*
				Duplicate							
Parameters	*Units*	*NYSDEC GA Groundwater Standards*									
Mercury	µg/L	0.7	0.2 U	0.2 U	-	-	-	-	0.054 U	0.2 U	-
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	2.5	2.4	-	-	-	-	7.9 U	40 U	-
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-
Potassium	µg/L	-	872	890	-	-	-	-	1650 U	645	-
Potassium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	10	5 U	5 U	-	-	-	-	3.2 U	5 U	-
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	10 U	10 U	-	-	-	-	0.75 U	10 U	-
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	3340	3260	-	-	-	-	9850	7460	-
Sodium (dissolved)	µg/L	20000	-	-	-	-	-	-	-	-	-
Thallium	µg/L	0.5	10 U	10 U	-	-	-	-	11.0	10 U	-
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	50 U	50 U	-	-	-	-	7.4 U	50 U	-
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	20 U	20 U	-	-	-	-	5.5	20 U	-
Zinc (dissolved)	µg/L	2000	-	-	-	-	-	-	-	-	-
PCBs											
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	-	-	-	-	-	-	1.0 U	-	-
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	-	-	-	-	-	-	1.0 U	-	-
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	-	-	-	-	-	-	1.0 U	-	-
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	-	-	-	-	-	-	1.0 U	-	-
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	-	-	-	-	-	-	1.0 U	-	-
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	-	-	-	-	-	-	1.0 U	-	-
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	-	-	-	-	-	-	1.0 U	-	-
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-	-
Pesticides											
4,4'-DDD	µg/L	0.3	-	-	-	-	-	-	0.050 U	-	-
4,4'-DDE	µg/L	0.2	-	-	-	-	-	-	0.050 U	-	-
4,4'-DDT	µg/L	0.2	-	-	-	-	-	-	0.050 U	-	-
Aldrin	µg/L	-	-	-	-	-	-	-	0.050 U	-	-
alpha-BHC	µg/L	0.01	-	-	-	-	-	-	0.050 U	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	-	-	-	-	-	-	0.050 U	-	-
Chlordane	µg/L	0.05	-	-	-	-	-	-	0.50 U	-	-
delta-BHC	µg/L	0.04	-	-	-	-	-	-	0.050 U	-	-
Dieldrin	µg/L	0.004	-	-	-	-	-	-	0.050 U	-	-
Endosulfan I	µg/L	-	-	-	-	-	-	-	0.050 U	-	-
Endosulfan II	µg/L	-	-	-	-	-	-	-	0.050 U	-	-
Endosulfan sulfate	µg/L	-	-	-	-	-	-	-	0.050 U	-	-
Endrin	µg/L	-	-	-	-	-	-	-	0.050 U	-	-
Endrin aldehyde	µg/L	5	-	-	-	-	-	-	0.050 U	-	-
Endrin ketone	µg/L	5	-	-	-	-	-	-	0.050 U	-	-
gamma-BHC (lindane)	µg/L	0.05	-	-	-	-	-	-	0.050 U	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	-	-	-	-	-	-	0.050 U	-	-
Heptachlor epoxide	µg/L	0.03	-	-	-	-	-	-	0.050 U	-	-
Methoxychlor	µg/L	35	-	-	-	-	-	-	0.10 U	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-1*	*VRI-2*	*VRI-2*	*VRI-2*
Sample ID:			*GW-18631-RW-06*	*GW-18631-RW-07*	*GW-18631-100509-BP-014*	*GW-18631-122209-RR-002*	*GW-18631-101211-AW-009*	*GW-18631-120711-011*	*GW-18631-RW-023*	*GW-18631-RW-09*	*GW-18631-100609-BP-018*
Sample Date:			*4/2/2002*	*4/2/2002*	*10/5/2009*	*12/22/2009*	*10/12/2011*	*12/7/2011*	*10/18/2001*	*4/2/2002*	*10/6/2009*
				Duplicate							
Parameters	***Units***	***NYSDEC GA Groundwater Standards***									
Toxaphene	µg/L	0.06	-	-	-	-	-	-	2.0 U	-	-
Petroleum Products											
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	-	-	36000	-	-	-	-	-	100 U
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	4300	4600	-	-	-	-	460 U	470 U	-
General Chemistry											
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	-	-	-	-	-	-	10.0 U	-	-
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	-	-	-	-	-	-	10 U	-	-
Sulfide	µg/L	50	-	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
- Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-3*	*VRI-3*	*VRI-3*	*VRI-3*	*VRI-3*	*VRI-4*	*VRI-4*	*VRI-4*	*VRI-5*
Sample ID:			*GW-18631-RW-002*	*GW-18631-RW-02*	*GW-18631-093009-RR-005*	*GW-18631-101211-BP-008*	*GW-18631-120511-004*	*GW-18631-RW-001*	*GW-18631-RW-01*	*GW-18631-093009-RR-007*	*GW-112701-BP-001*
Sample Date:			*10/16/2001*	*4/2/2002*	*9/30/2009*	*10/12/2011*	*12/5/2011*	*10/16/2001*	*4/2/2002*	*9/30/2009*	*11/29/2001*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*									
Volatiles											
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	5	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
1,1,2-Trichloroethane	µg/L	1	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
1,1-Dichloroethane	µg/L	5	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
1,1-Dichloroethene	µg/L	5	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
1,1-Dichloropropene	µg/L	5	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	-	1 U	4.0 U	1.0 U	1.0 U	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	4.0 U	1.0 U	1.0 U	-	-	1.0 U	-
1,2,4-Trimethylbenzene	µg/L	5	-	1 U	**15**	1.0 U	1.0 U	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	-	-	4.0 U	1.0 U	1.0 U	-	-	1.0 U	-
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	-	-	4.0 U	1.0 U	1.0 U	-	-	1.0 U	-
1,2-Dichlorobenzene	µg/L	3	-	-	4.0 U	1.0 U	1.0 U	-	-	1.0 U	-
1,2-Dichloroethane	µg/L	0.6	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
1,3,5-Trimethylbenzene	µg/L	5	-	1 U	**11**	1.0 U	1.0 U	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	-	-	4.0 U	1.0 U	1.0 U	-	-	1.0 U	-
1,3-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	-	-	4.0 U	1.0 U	1.0 U	-	-	1.0 U	-
2,2-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	5.0 U	5 UJ	20 U	5.0 U	5.0 U	5.0 U	5 UJ	5.0 U	5 U
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	5.0 U	5 UJ	20 U	5.0 U	5.0 U	5.0 U	5 UJ	5.0 U	5 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	5.0 U	5 U	20 U	5.0 U	5.0 U	5.0 U	5 U	5.0 U	5 U
Acetone	µg/L	50	10 UJ	10 UJ	20 U	5.0 U	5.0 U	10 UJ	10 UJ	5.0 U	38 J
Benzene	µg/L	1	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
Bromobenzene	µg/L	5	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.1	1 U
Bromoform	µg/L	50	1.0 U	1 U	4.0 U	1.0 UJ	1.0 U	1.0 U	1 U	1.0 U	1 U
Bromomethane (Methyl bromide)	µg/L	5	1.0 U	2 U	4.0 UJ	1.0 UJ	1.0 U	1.0 U	2 U	1.0 UJ	2 UJ
Carbon disulfide	µg/L	6060	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
Carbon tetrachloride	µg/L	5	1.0 UJ	1 U	4.0 U	1.0 U	1.0 U	1.0 UJ	1 U	1.0 U	1 U
Chlorobenzene	µg/L	5	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
Chlorobromomethane	µg/L	5	-	-	-	-	-	-	-	-	-
Chloroethane	µg/L	5	2.0 UJ	2 U	4.0 U	1.0 U	1.0 U	2.0 UJ	2 U	1.0 U	2 U
Chloroform (Trichloromethane)	µg/L	7	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	2.7	0.56 J
Chloromethane (Methyl chloride)	µg/L	5	2.0 U	2 U	4.0 U	1.0 U	1.0 U	2.0 U	2 U	1.0 U	2 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
cis-1,3-Dichloropropene	µg/L	-	1.0 U	1 U	4.0 U	1.0 UJ	1.0 U	1.0 U	1 U	1.0 U	1 U
Cyclohexane	µg/L	-	-	-	4.0 U	1.0 UJ	1.0 U	-	-	1.0 U	-
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	0.44 J	1 U
Dibromomethane	µg/L	5	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	-	-	4.0 U	1.0 U	1.0 U	-	-	1.0 U	-
Ethylbenzene	µg/L	5	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-3*	*VRI-3*	*VRI-3*	*VRI-3*	*VRI-3*	*VRI-4*	*VRI-4*	*VRI-4*	*VRI-5*
Sample ID:			*GW-18631-RW-002*	*GW-18631-RW-02*	*GW-18631-093009-RR-005*	*GW-18631-101211-BP-008*	*GW-18631-120511-004*	*GW-18631-RW-001*	*GW-18631-RW-01*	*GW-18631-093009-RR-007*	*GW-112701-BP-001*
Sample Date:			*10/16/2001*	*4/2/2002*	*9/30/2009*	*10/12/2011*	*12/5/2011*	*10/16/2001*	*4/2/2002*	*9/30/2009*	*11/29/2001*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*									
Isopropyl benzene	µg/L	5	-	1 U	84	6.0	6.5	-	-	1.0 U	-
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	-	-	4.0 U	1.0 U	1.0 U	-	-	1.0 U	-
Methyl cyclohexane	µg/L	-	-	-	4.0 U	1.0 UJ	1.0 U	-	-	1.0 U	-
Methyl tert butyl ether (MTBE)	µg/L	10	-	-	4.0 U	1.0 U	1.0 U	-	-	1.0 U	-
Methylene chloride	µg/L	5	2.0 U	2 U	4.0 U	1.0 U	1.0 U	2.0 U	2 U	1.0 U	2 U
Naphthalene	µg/L	10	-	-	-	-	-	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-
N-Propylbenzene	µg/L	5	-	1 U	13	3.4	3.7	-	-	-	-
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
Toluene	µg/L	5	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	0.28 J	0.25 J
trans-1,2-Dichloroethene	µg/L	5	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
trans-1,3-Dichloropropene	µg/L	-	1.0 U	1 U	4.0 U	1.0 UJ	1.0 U	1.0 U	1 U	1.0 U	1 U
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	5	1.0 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U
Trichlorofluoromethane (CFC-11)	µg/L	5	-	-	4.0 U	1.0 U	1.0 U	-	-	1.0 U	-
Trifluorotrichloroethane (Freon 113)	µg/L	5	-	-	4.0 U	1.0 U	1.0 U	-	-	1.0 U	-
Vinyl acetate	µg/L	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	2.0 U	2 U	4.0 U	1.0 U	1.0 U	2.0 U	2 U	1.0 U	2 U
Xylenes (total)	µg/L	5	3.0 U	3 U	12 U	3.0 U	3.0 U	3.0 U	3 U	3.0 U	3 U
Semi-volatiles											
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	10 U	10 U	-	-	-	10 U	10 U	-	50 U
1,2-Dichlorobenzene	µg/L	3	10 U	10 U	-	-	-	10 U	10 U	-	50 U
1,2-Diphenylhydrazine	µg/L	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	10 U	10 U	-	-	-	10 U	10 U	-	50 U
1,4-Dichlorobenzene	µg/L	3	10 U	10 U	-	-	-	10 U	10 U	-	50 U
1-Chloronaphthalene	µg/L	-	-	-	-	-	-	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	5	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
2,4,6-Trichlorophenol	µg/L	-	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
2,4-Dichlorophenol	µg/L	5	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
2,4-Dimethylphenol	µg/L	50	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
2,4-Dinitrophenol	µg/L	10	50 U	50 UJ	53 U	-	-	50 U	50 UJ	56 U	250 U
2,4-Dinitrotoluene	µg/L	5	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
2,6-Dichlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
2-Chloronaphthalene	µg/L	10	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
2-Chlorophenol	µg/L	-	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
2-Methylnaphthalene	µg/L	-	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
2-Methylphenol	µg/L	-	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
2-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	µg/L	5	50 U	50 U	53 U	-	-	50 U	50 U	56 U	250 U
2-Nitrophenol	µg/L	-	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
2-Picoline	µg/L	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-3*	*VRI-3*	*VRI-3*	*VRI-3*	*VRI-3*	*VRI-4*	*VRI-4*	*VRI-4*	*VRI-5*
Sample ID:			*GW-18631-RW-002*	*GW-18631-RW-02*	*GW-18631-093009-RR-005*	*GW-18631-101211-BP-008*	*GW-18631-120511-004*	*GW-18631-RW-001*	*GW-18631-RW-01*	*GW-18631-093009-RR-007*	*GW-112701-BP-001*
Sample Date:			*10/16/2001*	*4/2/2002*	*9/30/2009*	*10/12/2011*	*12/5/2011*	*10/16/2001*	*4/2/2002*	*9/30/2009*	*11/29/2001*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*									
3,3'-Dichlorobenzidine	µg/L	5	50 U	50 U	11 U	-	-	50 U	50 U	11 U	250 U
3-Methylcholanthrene	µg/L	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	µg/L	5	50 U	50 U	53 U	-	-	50 U	50 U	56 U	250 U
4,6-Dinitro-2-methylphenol	µg/L	-	50 U	50 UJ	53 U	-	-	50 U	50 UJ	56 U	250 U
4-Aminobiphenyl	µg/L	5	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
4-Chloro-3-methylphenol	µg/L	-	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
4-Chloroaniline	µg/L	5	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
4-Chlorophenyl phenyl ether	µg/L	-	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	-	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	µg/L	-	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
4-Nitroaniline	µg/L	5	50 U	50 U	53 U	-	-	50 U	50 U	56 U	250 U
4-Nitrophenol	µg/L	-	50 U	50 U	53 U	-	-	50 U	50 U	56 U	250 U
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	-	-	-	-	-
Acenaphthene	µg/L	20	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Acenaphthylene	µg/L	-	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Acetophenone	µg/L	-	-	-	11 U	-	-	-	-	11 U	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	50	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Atrazine	µg/L	7.5	-	-	11 U	-	-	-	-	11 U	-
Benzaldehyde	µg/L	-	-	-	11 U	-	-	-	-	11 U	-
Benzidine	µg/L	5	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Benzo(a)pyrene	µg/L	-	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Benzo(b)fluoranthene	µg/L	0.002	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Benzo(k)fluoranthene	µg/L	0.002	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	-	-	-	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	-	-	11 U	-	-	-	-	11 U	-
bis(2-Chloroethoxy)methane	µg/L	5	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
bis(2-Chloroethyl)ether	µg/L	1	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
Butyl benzylphthalate (BBP)	µg/L	50	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
Caprolactam	µg/L	-	-	-	53 U	-	-	-	-	56 U	-
Carbazole	µg/L	-	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	0.002	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Dibenz(a,h)anthracene	µg/L	-	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	µg/L	-	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
Diethyl phthalate	µg/L	50	10 U	10 U	11 U	-	-	10 U	10 U	1.2 J	50 U
Dimethyl phthalate	µg/L	50	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
Di-n-butylphthalate (DBP)	µg/L	50	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
Di-n-octyl phthalate (DnOP)	µg/L	50	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
Ethyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	50	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Fluorene	µg/L	50	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Hexachlorobenzene	µg/L	0.04	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Hexachlorobutadiene	µg/L	0.5	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-3*	*VRI-3*	*VRI-3*	*VRI-3*	*VRI-3*	*VRI-4*	*VRI-4*	*VRI-4*	*VRI-5*
Sample ID:			*GW-18631-RW-002*	*GW-18631-RW-02*	*GW-18631-093009-RR-005*	*GW-18631-101211-BP-008*	*GW-18631-120511-004*	*GW-18631-RW-001*	*GW-18631-RW-01*	*GW-18631-093009-RR-007*	*GW-112701-BP-001*
Sample Date:			*10/16/2001*	*4/2/2002*	*9/30/2009*	*10/12/2011*	*12/5/2011*	*10/16/2001*	*4/2/2002*	*9/30/2009*	*11/29/2001*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***									
Hexachlorocyclopentadiene	µg/L	5	50 U	50 U	11 U	-	-	50 U	50 U	11 U	250 UJ
Hexachloroethane	µg/L	5	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
Indeno(1,2,3-cd)pyrene	µg/L	0.002	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Isophorone	µg/L	50	10 U	10 U	11 U	-	-	10 U	10 U	11 U	50 U
Methyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	10	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Nitrobenzene	µg/L	0.4	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
N-Nitrosodiphenylamine	µg/L	50	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
N-Nitrosopiperidine	µg/L	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	µg/L	1	50 U	50 U	11 U	-	-	50 U	50 U	11 U	250 U
Phenacetin	µg/L	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	50	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Phenol	µg/L	1	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	50	10 U	10 U	2.1 U	-	-	10 U	10 U	2.2 U	50 U
Pyridine	µg/L	50	-	-	-	-	-	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-	-
Metals											
Aluminum	µg/L	-	950	2900	-	-	-	3470	6490	-	75100
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	3	4.1 U	60 U	-	-	-	4.1 U	60 U	-	4.1 U
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	2.0 U	10 U	-	-	-	2.0 U	4	-	**54.1**
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-
Barium	µg/L	1000	49.0	59.9	-	-	-	73.5	96.4	-	**1110**
Barium (dissolved)	µg/L	1000	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	3	0.080 U	5 U	-	-	-	0.18 U	5 U	-	2.6
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	0.63 U	5 U	-	-	-	0.63 U	5 U	-	0.63 U
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-
Calcium	µg/L	-	114000 J	125000	-	-	-	120000 J	134000	-	1030000
Calcium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	50	3.1	10 U	-	-	-	6.3	11.3	-	**112**
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	2.6 U	50 U	-	-	-	2.6 U	4.2	-	55
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	2.9	5.2	-	-	-	6.3	11	-	**202**
Copper (dissolved)	µg/L	200	-	-	-	-	-	-	-	-	-
Iron	µg/L	300	**1470**	**4220**	-	-	-	**5990**	**10600**	-	**130000**
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-
Lead	µg/L	25	1.8 U	3 U	-	-	-	1.8 U	4.6	-	**57.3**
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-
Magnesium	µg/L	35000	16900	17700	-	-	-	18200	19000	-	**114000**
Magnesium (dissolved)	µg/L	35000	-	-	-	-	-	-	-	-	-
Manganese	µg/L	300	47.1	93.3	-	-	-	**384**	**814**	-	**3270**
Manganese (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-3*	*VRI-3*	*VRI-3*	*VRI-3*	*VRI-3*	*VRI-4*	*VRI-4*	*VRI-4*	*VRI-5*
Sample ID:			*GW-18631-RW-002*	*GW-18631-RW-02*	*GW-18631-093009-RR-005*	*GW-18631-101211-BP-008*	*GW-18631-120511-004*	*GW-18631-RW-001*	*GW-18631-RW-01*	*GW-18631-093009-RR-007*	*GW-112701-BP-001*
Sample Date:			*10/16/2001*	*4/2/2002*	*9/30/2009*	*10/12/2011*	*12/5/2011*	*10/16/2001*	*4/2/2002*	*9/30/2009*	*11/29/2001*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***									
Mercury	µg/L	0.7	0.44	0.2 U	-	-	-	0.096 U	0.2 U	-	0.19
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	7.9 U	4.3	-	-	-	12.2	12.6	-	110
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-
Potassium	µg/L	-	2250	1550	-	-	-	4220	3920	-	17600
Potassium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	10	3.2 U	5 U	-	-	-	3.2 U	5 U	-	3.2 U
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	0.75 U	10 U	-	-	-	0.75 U	10 U	-	0.75 U
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	8420	9270	-	-	-	12200	16100	-	29200
Sodium (dissolved)	µg/L	20000	-	-	-	-	-	-	-	-	-
Thallium	µg/L	0.5	5.7 U	10 U	-	-	-	5.7 U	10 U	-	5.7 U
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	4.7	6	-	-	-	6.6	15.2	-	124
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	31.0 U	13.7	-	-	-	27.4 U	29.5	-	523
Zinc (dissolved)	µg/L	2000	-	-	-	-	-	-	-	-	-
PCBs											
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	1.0 U	-	-	-	-	1.0 U	-	-	1 U
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	1.0 U	-	-	-	-	1.0 U	-	-	1 U
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	1.0 U	-	-	-	-	1.0 U	-	-	1 U
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	1.0 U	-	-	-	-	1.0 U	-	-	1 U
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	1.0 U	-	-	-	-	1.0 U	-	-	1 U
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	1.0 U	-	-	-	-	1.0 U	-	-	1 U
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	1.0 U	-	-	-	-	1.0 U	-	-	1 U
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-	-
Pesticides											
4,4'-DDD	µg/L	0.3	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
4,4'-DDE	µg/L	0.2	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
4,4'-DDT	µg/L	0.2	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
Aldrin	µg/L	-	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
alpha-BHC	µg/L	0.01	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
Chlordane	µg/L	0.05	0.50 U	-	-	-	-	0.50 U	-	-	0.5 U
delta-BHC	µg/L	0.04	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
Dieldrin	µg/L	0.004	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
Endosulfan I	µg/L	-	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
Endosulfan II	µg/L	-	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
Endosulfan sulfate	µg/L	-	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
Endrin	µg/L	-	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
Endrin aldehyde	µg/L	5	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
Endrin ketone	µg/L	5	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
gamma-BHC (lindane)	µg/L	0.05	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
Heptachlor epoxide	µg/L	0.03	0.050 U	-	-	-	-	0.050 U	-	-	0.05 U
Methoxychlor	µg/L	35	0.10 U	-	-	-	-	0.10 U	-	-	0.1 U

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-3*	*VRI-3*	*VRI-3*	*VRI-3*	*VRI-3*	*VRI-4*	*VRI-4*	*VRI-4*	*VRI-5*
Sample ID:			*GW-18631-RW-002*	*GW-18631-RW-02*	*GW-18631-093009-RR-005*	*GW-18631-101211-BP-008*	*GW-18631-120511-004*	*GW-18631-RW-001*	*GW-18631-RW-01*	*GW-18631-093009-RR-007*	*GW-112701-BP-001*
Sample Date:			*10/16/2001*	*4/2/2002*	*9/30/2009*	*10/12/2011*	*12/5/2011*	*10/16/2001*	*4/2/2002*	*9/30/2009*	*11/29/2001*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***									
Toxaphene	µg/L	0.06	2.0 U	-	-	-	-	2.0 U	-	-	2 U
Petroleum Products											
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	-	-	520	-	-	-	-	100 UJ	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	470 U	480 U	-	-	-	470 U	480 U	-	1700
General Chemistry											
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	10.0 U	-	-	-	-	10.0 U	-	-	10 U
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	10 U	-	-	-	-	10 U	-	-	10 U
Sulfide	µg/L	50	-	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
- Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-5*	*VRI-5*	*VRI-5*	*VRI-6*	*VRI-6*	*VRI-7*	*VRI-7*	*VRI-7*	*VRI-7*
Sample ID:			*GW-18631-RW-23*	*GW-18631-100609-BP-022*	*GW-18631-120611-008*	*GW-18631-RW-022*	*GW-18631-100209-RR-019*	*GW-18631-RW-020*	*GW-18631-RW-20*	*GW-18631-100509-RR-021*	*GW-18631-101111-BP-006*
Sample Date:			*4/4/2002*	*10/6/2009*	*12/6/2011*	*10/18/2001*	*10/2/2009*	*10/18/2001*	*4/3/2002*	*10/5/2009*	*10/11/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*									
Volatiles											
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3	0.96 J	2.8	1.4
1,1,2,2-Tetrachloroethane	µg/L	5	1 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	5	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	5	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
1,1-Dichloropropene	µg/L	5	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	-	-	1.0 U	-	-	-	-	-	1.0 U
1,2,4-Trichlorobenzene	µg/L	5	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U
1,2,4-Trimethylbenzene	µg/L	5	-	-	1.0 U	-	-	-	-	-	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 UJ	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	3	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.6	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	5	-	-	1.0 U	-	-	-	-	-	1.0 U
1,3-Dichlorobenzene	µg/L	3	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U
1,3-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U
2,2-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	5 U	1.4 J	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5.0 U	5.0 U
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 UJ	5.0 U	5.0 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5.0 U	5.0 U
Acetone	µg/L	50	10 UJ	5.0 U	5.0 U	10 UJ	5.0 U	10 UJ	10 UJ	5.0 U	5.0 U
Benzene	µg/L	1	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Bromobenzene	µg/L	5	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50	1 U	0.22 J	1.0 U	1.0 U	0.36 J	1.0 U	1 U	1.0 U	1.0 U
Bromoform	µg/L	50	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 UJ	1.0 UJ
Bromomethane (Methyl bromide)	µg/L	5	2 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	2 U	1.0 U	1.0 UJ
Carbon disulfide	µg/L	6060	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	1 U	1.0 U	1.0 U	2.1	1.4	1.0 U	1 U	1.0 U	1.0 U
Chlorobenzene	µg/L	5	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Chlorobromomethane	µg/L	5	-	-	-	-	-	-	-	-	-
Chloroethane	µg/L	5	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.0 U	2 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	7	1 U	0.86 J	1.0 U	2.2	5.0	1.0 U	1 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.0 U	2 UJ	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	5	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	-	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 UJ
Cyclohexane	µg/L	-	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	1.0 UJ
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Dibromomethane	µg/L	5	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U
Ethylbenzene	µg/L	5	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-5*	*VRI-5*	*VRI-5*	*VRI-6*	*VRI-6*	*VRI-7*	*VRI-7*	*VRI-7*	*VRI-7*
Sample ID:			*GW-18631-RW-23*	*GW-18631-100609-BP-022*	*GW-18631-120611-008*	*GW-18631-RW-022*	*GW-18631-100209-RR-019*	*GW-18631-RW-020*	*GW-18631-RW-20*	*GW-18631-100509-RR-021*	*GW-18631-101111-BP-006*
Sample Date:			*4/4/2002*	*10/6/2009*	*12/6/2011*	*10/18/2001*	*10/2/2009*	*10/18/2001*	*4/3/2002*	*10/5/2009*	*10/11/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*									
Isopropyl benzene	µg/L	5	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U
Methyl cyclohexane	µg/L	-	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	1.0 UJ
Methyl tert butyl ether (MTBE)	µg/L	10	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U
Methylene chloride	µg/L	5	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.0 U	2 U	1.0 U	1.0 U
Naphthalene	µg/L	10	-	-	-	-	-	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-
N-Propylbenzene	µg/L	5	-	-	1.0 U	-	-	-	-	-	1.0 U
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5	1 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Toluene	µg/L	5	0.3 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.45 J	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	5	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	-	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 UJ
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	5	1 U	1.0 U	1.0 U	1.5	0.86 J	1.0 U	1 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	5	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	5	-	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U
Vinyl acetate	µg/L	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.0 U	2 U	1.0 U	1.0 U
Xylenes (total)	µg/L	5	3 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3 U	3.0 U	3.0 U
Semi-volatiles											
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	10 U	-	-	10 U	-	10 U	10 U	-	-
1,2-Dichlorobenzene	µg/L	3	10 U	-	-	10 U	-	10 U	10 U	-	-
1,2-Diphenylhydrazine	µg/L	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	10 U	-	-	10 U	-	10 U	10 U	-	-
1,4-Dichlorobenzene	µg/L	3	10 U	-	-	10 U	-	10 U	10 U	-	-
1-Chloronaphthalene	µg/L	-	-	-	-	-	-	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	5	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
2,4,6-Trichlorophenol	µg/L	-	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
2,4-Dichlorophenol	µg/L	5	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
2,4-Dimethylphenol	µg/L	50	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
2,4-Dinitrophenol	µg/L	10	50 UJ	57 U	-	50 U	59 U	50 U	50 UJ	49 U	-
2,4-Dinitrotoluene	µg/L	5	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
2,6-Dichlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
2-Chloronaphthalene	µg/L	10	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
2-Chlorophenol	µg/L	-	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
2-Methylnaphthalene	µg/L	-	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
2-Methylphenol	µg/L	-	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
2-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	µg/L	5	50 U	57 U	-	50 U	59 U	50 U	50 U	49 U	-
2-Nitrophenol	µg/L	-	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
2-Picoline	µg/L	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-5*	*VRI-5*	*VRI-5*	*VRI-6*	*VRI-6*	*VRI-7*	*VRI-7*	*VRI-7*	*VRI-7*
Sample ID:			*GW-18631-RW-23*	*GW-18631-100609-BP-022*	*GW-18631-120611-008*	*GW-18631-RW-022*	*GW-18631-100209-RR-019*	*GW-18631-RW-020*	*GW-18631-RW-20*	*GW-18631-100509-RR-021*	*GW-18631-101111-BP-006*
Sample Date:			*4/4/2002*	*10/6/2009*	*12/6/2011*	*10/18/2001*	*10/2/2009*	*10/18/2001*	*4/3/2002*	*10/5/2009*	*10/11/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*									
3,3'-Dichlorobenzidine	µg/L	5	R	11 U	-	50 U	12 U	50 U	R	9.8 U	-
3-Methylcholanthrene	µg/L	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	µg/L	5	50 U	57 U	-	50 U	59 U	50 U	50 U	49 U	-
4,6-Dinitro-2-methylphenol	µg/L	-	50 UJ	57 U	-	50 U	59 U	50 U	50 UJ	49 U	-
4-Aminobiphenyl	µg/L	5	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
4-Chloro-3-methylphenol	µg/L	-	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
4-Chloroaniline	µg/L	5	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
4-Chlorophenyl phenyl ether	µg/L	-	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	-	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	µg/L	-	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
4-Nitroaniline	µg/L	5	50 U	57 U	-	50 U	59 U	50 U	50 U	49 U	-
4-Nitrophenol	µg/L	-	50 U	57 U	-	50 UJ	59 U	50 UJ	50 U	49 U	-
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	-	-	-	-	-
Acenaphthene	µg/L	20	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Acenaphthylene	µg/L	-	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Acetophenone	µg/L	-	-	11 U	-	-	12 U	-	-	9.8 U	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	50	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Atrazine	µg/L	7.5	-	11 U	-	-	12 U	-	-	9.8 U	-
Benzaldehyde	µg/L	-	-	11 U	-	-	12 U	-	-	9.8 U	-
Benzidine	µg/L	5	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Benzo(a)pyrene	µg/L	-	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Benzo(b)fluoranthene	µg/L	0.002	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Benzo(k)fluoranthene	µg/L	0.002	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	-	-	-	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	-	11 U	-	-	12 U	-	-	9.8 U	-
bis(2-Chloroethoxy)methane	µg/L	5	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
bis(2-Chloroethyl)ether	µg/L	1	10 U	2.3 U	-	0.70 J	2.4 U	10 U	10 U	2.0 U	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
Butyl benzylphthalate (BBP)	µg/L	50	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
Caprolactam	µg/L	-	-	57 U	-	-	59 U	-	-	49 U	-
Carbazole	µg/L	-	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	0.002	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Dibenz(a,h)anthracene	µg/L	-	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	µg/L	-	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
Diethyl phthalate	µg/L	50	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
Dimethyl phthalate	µg/L	50	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
Di-n-butylphthalate (DBP)	µg/L	50	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
Di-n-octyl phthalate (DnOP)	µg/L	50	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
Ethyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	50	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Fluorene	µg/L	50	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Hexachlorobenzene	µg/L	0.04	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Hexachlorobutadiene	µg/L	0.5	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-5*	*VRI-5*	*VRI-5*	*VRI-6*	*VRI-6*	*VRI-7*	*VRI-7*	*VRI-7*	*VRI-7*
Sample ID:			*GW-18631-RW-23*	*GW-18631-100609-BP-022*	*GW-18631-120611-008*	*GW-18631-RW-022*	*GW-18631-100209-RR-019*	*GW-18631-RW-020*	*GW-18631-RW-20*	*GW-18631-100509-RR-021*	*GW-18631-101111-BP-006*
Sample Date:			*4/4/2002*	*10/6/2009*	*12/6/2011*	*10/18/2001*	*10/2/2009*	*10/18/2001*	*4/3/2002*	*10/5/2009*	*10/11/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*									
Hexachlorocyclopentadiene	µg/L	5	50 U	11 U	-	50 U	12 U	50 U	50 U	9.8 U	-
Hexachloroethane	µg/L	5	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Isophorone	µg/L	50	10 U	11 U	-	10 U	12 U	10 U	10 U	9.8 U	-
Methyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	10	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Nitrobenzene	µg/L	0.4	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
N-Nitrosodiphenylamine	µg/L	50	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
N-Nitrosopiperidine	µg/L	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	µg/L	1	50 U	11 U	-	50 U	12 U	50 U	50 U	9.8 U	-
Phenacetin	µg/L	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	50	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Phenol	µg/L	1	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	50	10 U	2.3 U	-	10 U	2.4 U	10 U	10 U	2.0 U	-
Pyridine	µg/L	50	-	-	-	-	-	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-	-
Metals											
Aluminum	µg/L	-	4230	-	-	4500	-	151	350	-	-
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	3	60 U	-	-	4.1 U	-	4.1 U	60 U	-	-
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	19.6	-	-	3.9	-	2.0 U	10 U	-	-
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-
Barium	µg/L	1000	198	-	-	64.6	-	82.5	196	-	-
Barium (dissolved)	µg/L	1000	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	3	5 U	-	-	0.28 U	-	0.090 U	5 U	-	-
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	5 U	-	-	0.63 U	-	0.63 U	5 U	-	-
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-	-
Calcium	µg/L	-	112000	-	-	98600	-	159000	343000	-	-
Calcium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	50	23.6 J	-	-	9.2	-	1.6	10 U	-	-
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	50 U	-	-	2.7	-	2.6 U	50 U	-	-
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	9.2	-	-	14.0 U	-	3.9 U	2.2	-	-
Copper (dissolved)	µg/L	200	-	-	-	-	-	-	-	-	-
Iron	µg/L	300	**5340 J**	-	-	**6640**	-	211	**555**	-	-
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-
Lead	µg/L	25	5 U	-	-	3.2	-	1.8 U	3 U	-	-
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	-	-	-
Magnesium	µg/L	35000	24400	-	-	17500	-	19300	**45600**	-	-
Magnesium (dissolved)	µg/L	35000	-	-	-	-	-	-	-	-	-
Manganese	µg/L	300	216	-	-	285	-	11.2	23.2	-	-
Manganese (dissolved)	µg/L	300	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-5*	*VRI-5*	*VRI-5*	*VRI-6*	*VRI-6*	*VRI-7*	*VRI-7*	*VRI-7*	*VRI-7*
Sample ID:			*GW-18631-RW-23*	*GW-18631-100609-BP-022*	*GW-18631-120611-008*	*GW-18631-RW-022*	*GW-18631-100209-RR-019*	*GW-18631-RW-020*	*GW-18631-RW-20*	*GW-18631-100509-RR-021*	*GW-18631-101111-BP-006*
Sample Date:			*4/4/2002*	*10/6/2009*	*12/6/2011*	*10/18/2001*	*10/2/2009*	*10/18/2001*	*4/3/2002*	*10/5/2009*	*10/11/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*									
Mercury	µg/L	0.7	0.2 U	-	-	0.054 U	-	0.054 U	0.2 U	-	-
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-	-
Nickel	µg/L	100	11.9	-	-	7.9 U	-	7.9 U	4.5	-	-
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-	-
Potassium	µg/L	-	2990	-	-	5610 U	-	1570 U	1760	-	-
Potassium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	10	5 U	-	-	3.2 U	-	3.2 U	5 U	-	-
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-	-
Silver	µg/L	50	10 U	-	-	0.75 U	-	0.75 U	10 U	-	-
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	10000 J	-	-	**77600**	-	**192000**	**291000**	-	-
Sodium (dissolved)	µg/L	20000	-	-	-	-	-	-	-	-	-
Thallium	µg/L	0.5	10 U	-	-	5.7 U	-	5.7 U	10 U	-	-
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	9.5	-	-	13.8 U	-	4.1 U	50 U	-	-
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	32.8	-	-	31.1	-	3.2 U	7.5	-	-
Zinc (dissolved)	µg/L	2000	-	-	-	-	-	-	-	-	-
PCBs											
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	-	-	-	1.0 U	-	1.0 U	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	-	-	-	1.0 U	-	1.0 U	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	-	-	-	1.0 U	-	1.0 U	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	-	-	-	1.0 U	-	1.0 U	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	-	-	-	1.0 U	-	1.0 U	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	-	-	-	1.0 U	-	1.0 U	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	-	-	-	1.0 U	-	1.0 U	-	-	-
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-	-
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	-	-	-	-	0.050 U	-	0.050 U	-	-	-
alpha-BHC	µg/L	0.01	-	-	-	0.050 U	-	0.050 U	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	-	-	-	0.050 U	-	0.050 U	-	-	-
Chlordane	µg/L	0.05	-	-	-	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	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	-	-	-
gamma-BHC (lindane)	µg/L	0.05	-	-	-	0.050 U	-	0.050 U	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	-	-	-	0.050 U	-	0.050 U	-	-	-
Heptachlor epoxide	µg/L	0.03	-	-	-	0.050 U	-	0.050 U	-	-	-
Methoxychlor	µg/L	35	-	-	-	0.10 U	-	0.10 U	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-5*	*VRI-5*	*VRI-5*	*VRI-6*	*VRI-6*	*VRI-7*	*VRI-7*	*VRI-7*	*VRI-7*
Sample ID:			*GW-18631-RW-23*	*GW-18631-100609-BP-022*	*GW-18631-120611-008*	*GW-18631-RW-022*	*GW-18631-100209-RR-019*	*GW-18631-RW-020*	*GW-18631-RW-20*	*GW-18631-100509-RR-021*	*GW-18631-101111-BP-006*
Sample Date:			*4/4/2002*	*10/6/2009*	*12/6/2011*	*10/18/2001*	*10/2/2009*	*10/18/2001*	*4/3/2002*	*10/5/2009*	*10/11/2011*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***									
Toxaphene	µg/L	0.06	-	-	-	2.0 U	-	2.0 U	-	-	-
Petroleum Products											
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	-	100 U	-	-	100 UJ	-	-	180 U	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	2000	-	-	400 J	-	480 U	480 U	-	-
General Chemistry											
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	-	-	-	10.0 U	-	10.0 U	-	-	-
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	-	-	-	**11**	-	10 U	-	-	-
Sulfide	µg/L	50	-	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
 - Value exceeds criterion.

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-7*	*VRI-8*	*VRI-8*	*VRI-9*	*VRI-9*	*VRI-10*	*VRI-10*	*VRI-10*
Sample ID:			*GW-18631-120511-001*	*GW-18631-RW-018*	*GW-18631-RW-14*	*GW-18631-101211-BP-010*	*GW-18631-120711-013*	*GW-18631-101211-AW-012*	*WG-18631-111511-BP-001*	*GW-18631-120611-007*
Sample Date:			*12/5/2011*	*10/17/2001*	*4/3/2002*	*10/12/2011*	*12/7/2011*	*10/13/2011*	*11/15/2011*	*12/6/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*								
Volatiles										
1,1,1,2-Tetrachloroethane	µg/L	5	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	5	1.7	1.0 U	5 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	5 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	5 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	5 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	5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloropropene	µg/L	5	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	5	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	µg/L	0.04	1.0 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5	1.0 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	µg/L	5	1.0 U	-	-	1.0 U	1.7	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	1.0 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.0006	1.0 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	3	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	5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	5	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	1	1.0 U	1.0 U	5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	5	1.0 U	-	-	1.0 U	0.86	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	3	1.0 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	1.0 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-Dichloropropane	µg/L	5	-	-	-	-	-	-	-	-
2/4-Chlorotoluene	µg/L	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50	5.0 U	5.0 U	25 U	5.0 U	5.0 U	2.7 J	2.6	0.90
2-Chloroethyl vinyl ether	µg/L	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	50	5.0 U	5.0 U	25 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5	-	-	-	-	-	-	-	-
4-Chlorotoluene	µg/L	5	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	-	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	50	5.0 U	10 UJ	50 UJ	5.0 U	5.0 U	9.0	11	5.1
Benzene	µg/L	1	1.0 U	1.0 U	**130**	1.0 U	1.0 U	0.16 J	0.15	1.0 U
Bromobenzene	µg/L	5	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50	1.0 U	1.0 U	5 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	5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	6060	1.0 U	1.0 U	5 U	1.0 U	1.0 U	1.0 U	0.28	0.26
Carbon tetrachloride	µg/L	5	1.0 U	1.2	5 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	5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobromomethane	µg/L	5	-	-	-	-	-	-	-	-
Chloroethane	µg/L	5	1.0 U	2.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	7	1.0 U	2.8	5 U	**8.3**	0.32	**20**	4.2	0.65
Chloromethane (Methyl chloride)	µg/L	5	1.0 U	2.0 U	10 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	-	1.0 U	1.0 U	5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	-	1.0 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cymene (p-Isopropyltoluene)	µg/L	5	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50	1.0 U	1.0 U	5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromomethane	µg/L	5	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	µg/L	5	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	**88**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobutadiene	µg/L	0.5	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-7*	*VRI-8*	*VRI-8*	*VRI-9*	*VRI-9*	*VRI-10*	*VRI-10*	*VRI-10*
Sample ID:			*GW-18631-120511-001*	*GW-18631-RW-018*	*GW-18631-RW-14*	*GW-18631-101211-BP-010*	*GW-18631-120711-013*	*GW-18631-101211-AW-012*	*WG-18631-111511-BP-001*	*GW-18631-120611-007*
Sample Date:			*12/5/2011*	*10/17/2001*	*4/3/2002*	*10/12/2011*	*12/7/2011*	*10/13/2011*	*11/15/2011*	*12/6/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*								
Isopropyl benzene	µg/L	5	1.0 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methyl acetate	µg/L	-	1.0 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl cyclohexane	µg/L	-	1.0 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	10	1.0 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	5	1.0 U	2.0 U	10 U	1.0 U	1.0 U	1.0 U	0.86	0.22
Naphthalene	µg/L	10	-	-	-	-	-	-	-	-
N-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-
N-Propylbenzene	µg/L	5	1.0 U	-	-	1.0 U	1.0 U	0.33 J	1.0 U	1.0 U
o-Xylene	µg/L	5	-	-	-	-	-	-	-	-
Styrene	µg/L	5	1.0 U	1.0 U	5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
tert-Butylbenzene	µg/L	5	-	-	-	-	-	-	-	-
Tetrachlorobenzene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	5	1.0 U	1.0 U	5 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	**6.6**	1.0 U	1.0 U	0.42 J	0.33	1.0 U
trans-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	-	1.0 U	1.0 U	5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	5	1.0 U	**19**	2.1 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	5	1.0 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	5	1.0 U	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2	1.0 U	2.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	5	3.0 U	3.0 U	**360**	3.0 U	0.59	3.0 U	3.0 U	3.0 U
Semi-volatiles										
1,2,4,5-Tetrachlorobenzene	µg/L	5	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	5	-	10 U	20 U	-	-	-	-	-
1,2-Dichlorobenzene	µg/L	3	-	10 U	20 U	-	-	-	-	-
1,2-Diphenylhydrazine	µg/L	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	3	-	10 U	20 U	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	3	-	10 U	20 U	-	-	-	-	-
1-Chloronaphthalene	µg/L	-	-	-	-	-	-	-	-	-
1-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	5	-	10 U	20 U	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	µg/L	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	10 U	20 U	-	-	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	10 U	20 U	-	-	-	-	-
2,4-Dichlorophenol	µg/L	5	-	10 U	20 U	-	-	-	-	-
2,4-Dimethylphenol	µg/L	50	-	10 U	20 U	-	-	-	-	-
2,4-Dinitrophenol	µg/L	10	-	50 U	100 UJ	-	-	-	-	-
2,4-Dinitrotoluene	µg/L	5	-	10 U	20 U	-	-	-	-	-
2,6-Dichlorophenol	µg/L	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	5	-	10 U	20 U	-	-	-	-	-
2-Chloronaphthalene	µg/L	10	-	10 U	20 U	-	-	-	-	-
2-Chlorophenol	µg/L	-	-	10 U	20 U	-	-	-	-	-
2-Methylnaphthalene	µg/L	-	-	10 U	88	-	-	-	-	-
2-Methylphenol	µg/L	-	-	10 U	20 U	-	-	-	-	-
2-Naphthylamine	µg/L	-	-	-	-	-	-	-	-	-
2-Nitroaniline	µg/L	5	-	50 U	100 U	-	-	-	-	-
2-Nitrophenol	µg/L	-	-	10 U	20 U	-	-	-	-	-
2-Picoline	µg/L	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-7*	*VRI-8*	*VRI-8*	*VRI-9*	*VRI-9*	*VRI-10*	*VRI-10*	*VRI-10*
Sample ID:			*GW-18631-120511-001*	*GW-18631-RW-018*	*GW-18631-RW-14*	*GW-18631-101211-BP-010*	*GW-18631-120711-013*	*GW-18631-101211-AW-012*	*WG-18631-111511-BP-001*	*GW-18631-120611-007*
Sample Date:			*12/5/2011*	*10/17/2001*	*4/3/2002*	*10/12/2011*	*12/7/2011*	*10/13/2011*	*11/15/2011*	*12/6/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*								
3,3'-Dichlorobenzidine	µg/L	5	-	50 U	R	-	-	-	-	-
3-Methylcholanthrene	µg/L	-	-	-	-	-	-	-	-	-
3-Nitroaniline	µg/L	5	-	50 U	100 U	-	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	50 U	100 UJ	-	-	-	-	-
4-Aminobiphenyl	µg/L	5	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	10 U	20 U	-	-	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	10 U	20 U	-	-	-	-	-
4-Chloroaniline	µg/L	5	-	10 U	20 U	-	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	10 U	20 U	-	-	-	-	-
4-Dimethylaminoazobenzene	µg/L	-	-	-	-	-	-	-	-	-
4-Methyl-2,6-dinitrophenol	µg/L	-	-	-	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	10 U	20 U	-	-	-	-	-
4-Nitroaniline	µg/L	5	-	50 U	100 U	-	-	-	-	-
4-Nitrophenol	µg/L	-	-	50 UJ	100 U	-	-	-	-	-
7,12-Dimethylbenz(a)anthracene	µg/L	-	-	-	-	-	-	-	-	-
Acenaphthene	µg/L	20	-	10 U	20 U	-	-	-	-	-
Acenaphthylene	µg/L	-	-	10 U	20 U	-	-	-	-	-
Acetophenone	µg/L	-	-	-	-	-	-	-	-	-
Aldrin	µg/L	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	50	-	10 U	20 U	-	-	-	-	-
Atrazine	µg/L	7.5	-	-	-	-	-	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-	-	-	-	-
Benzidine	µg/L	5	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002	-	10 U	20 U	-	-	-	-	-
Benzo(a)pyrene	µg/L	-	-	10 U	20 U	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	0.002	-	10 U	20 U	-	-	-	-	-
Benzo(b)fluoranthene/Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	10 U	20 U	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	0.002	-	10 U	20 U	-	-	-	-	-
Benzoic acid	µg/L	5	-	-	-	-	-	-	-	-
Benzyl alcohol	µg/L	-	-	-	-	-	-	-	-	-
beta&gamma-BHC (sum of isomers)	µg/L	-	-	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	5	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	5	-	10 U	20 U	-	-	-	-	-
bis(2-Chloroethyl)ether	µg/L	1	-	10 U	20 U	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5	-	10 U	20 U	-	-	-	-	-
Butyl benzylphthalate (BBP)	µg/L	50	-	10 U	20 U	-	-	-	-	-
Caprolactam	µg/L	-	-	-	-	-	-	-	-	-
Carbazole	µg/L	-	-	10 U	20 U	-	-	-	-	-
Chlordane	µg/L	0.05	-	-	-	-	-	-	-	-
Chrysene	µg/L	0.002	-	10 U	20 U	-	-	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	10 U	20 U	-	-	-	-	-
Dibenz(a,j)acridine	µg/L	-	-	-	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	10 U	20 U	-	-	-	-	-
Diethyl phthalate	µg/L	50	-	10 U	20 U	-	-	-	-	-
Dimethyl phthalate	µg/L	50	-	10 U	20 U	-	-	-	-	-
Di-n-butylphthalate (DBP)	µg/L	50	-	10 U	20 U	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	50	-	10 U	20 U	-	-	-	-	-
Ethyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	50	-	10 U	20 U	-	-	-	-	-
Fluorene	µg/L	50	-	10 U	20 U	-	-	-	-	-
Hexachlorobenzene	µg/L	0.04	-	10 U	20 U	-	-	-	-	-
Hexachlorobutadiene	µg/L	0.5	-	10 U	20 U	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-7*	*VRI-8*	*VRI-8*	*VRI-9*	*VRI-9*	*VRI-10*	*VRI-10*	*VRI-10*
Sample ID:			*GW-18631-120511-001*	*GW-18631-RW-018*	*GW-18631-RW-14*	*GW-18631-101211-BP-010*	*GW-18631-120711-013*	*GW-18631-101211-AW-012*	*WG-18631-111511-BP-001*	*GW-18631-120611-007*
Sample Date:			*12/5/2011*	*10/17/2001*	*4/3/2002*	*10/12/2011*	*12/7/2011*	*10/13/2011*	*11/15/2011*	*12/6/2011*
Parameters	*Units*	*NYSDEC GA Groundwater Standards*								
Hexachlorocyclopentadiene	µg/L	5	-	50 U	100 U	-	-	-	-	-
Hexachloroethane	µg/L	5	-	10 U	20 U	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002	-	10 U	20 U	-	-	-	-	-
Isophorone	µg/L	50	-	10 U	20 U	-	-	-	-	-
Methyl methanesulfonate	µg/L	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	10	-	10 U	**130**	-	-	-	-	-
Nitrobenzene	µg/L	0.4	-	10 U	20 U	-	-	-	-	-
Nitrosodiphenylamine/Diphenylamine	µg/L	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	µg/L	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-butylamine	µg/L	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	10 U	20 U	-	-	-	-	-
N-Nitrosodiphenylamine	µg/L	50	-	10 U	20 U	-	-	-	-	-
N-Nitrosopiperidine	µg/L	-	-	-	-	-	-	-	-	-
Pentachlorophenol	µg/L	1	-	50 U	100 U	-	-	-	-	-
Phenacetin	µg/L	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	50	-	10 U	20 U	-	-	-	-	-
Phenol	µg/L	1	-	10 U	20 U	-	-	-	-	-
Phthalic acid	µg/L	-	-	-	-	-	-	-	-	-
Pronamide	µg/L	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	50	-	10 U	20 U	-	-	-	-	-
Pyridine	µg/L	50	-	-	-	-	-	-	-	-
Toxaphene	µg/L	0.06	-	-	-	-	-	-	-	-
Metals										
Aluminum	µg/L	-	-	26.9 U	294	-	-	-	-	-
Aluminum (dissolved)	µg/L	-	-	-	-	-	-	-	-	-
Antimony	µg/L	3	-	4.1 U	60 U	-	-	-	-	-
Antimony (dissolved)	µg/L	3	-	-	-	-	-	-	-	-
Arsenic	µg/L	25	-	2.0 U	10 U	-	-	-	-	-
Arsenic (dissolved)	µg/L	25	-	-	-	-	-	-	-	-
Barium	µg/L	1000	-	41.9	112	-	-	-	-	-
Barium (dissolved)	µg/L	1000	-	-	-	-	-	-	-	-
Beryllium	µg/L	3	-	0.077 U	5 U	-	-	-	-	-
Beryllium (dissolved)	µg/L	3	-	-	-	-	-	-	-	-
Cadmium	µg/L	5	-	0.63 U	5 U	-	-	-	-	-
Cadmium (dissolved)	µg/L	5	-	-	-	-	-	-	-	-
Calcium	µg/L	-	-	90400	156000	-	-	-	-	-
Calcium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-
Chromium	µg/L	50	-	2.1	10 U	-	-	-	-	-
Chromium (dissolved)	µg/L	50	-	-	-	-	-	-	-	-
Cobalt	µg/L	-	-	2.6 U	4.5	-	-	-	-	-
Cobalt (dissolved)	µg/L	-	-	-	-	-	-	-	-	-
Copper	µg/L	200	-	3.0 U	1.6	-	-	-	-	-
Copper (dissolved)	µg/L	200	-	-	-	-	-	-	-	-
Iron	µg/L	300	-	38.5 U	**388**	-	-	-	-	-
Iron (dissolved)	µg/L	300	-	-	-	-	-	-	-	-
Lead	µg/L	25	-	1.9	3 U	-	-	-	-	-
Lead (dissolved)	µg/L	25	-	-	-	-	-	-	-	-
Magnesium	µg/L	35000	-	13400	20300	-	-	-	-	-
Magnesium (dissolved)	µg/L	35000	-	-	-	-	-	-	-	-
Manganese	µg/L	300	-	1.2 U	**5290**	-	-	-	-	-
Manganese (dissolved)	µg/L	300	-	-	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-7*	*VRI-8*	*VRI-8*	*VRI-9*	*VRI-9*	*VRI-10*	*VRI-10*	*VRI-10*
Sample ID:			*GW-18631-120511-001*	*GW-18631-RW-018*	*GW-18631-RW-14*	*GW-18631-101211-BP-010*	*GW-18631-120711-013*	*GW-18631-101211-AW-012*	*WG-18631-111511-BP-001*	*GW-18631-120611-007*
Sample Date:			*12/5/2011*	*10/17/2001*	*4/3/2002*	*10/12/2011*	*12/7/2011*	*10/13/2011*	*11/15/2011*	*12/6/2011*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***								
Mercury	µg/L	0.7	-	0.054 U	0.2 U	-	-	-	-	-
Mercury (dissolved)	µg/L	0.7	-	-	-	-	-	-	-	-
Nickel	µg/L	100	-	7.9 U	6.7	-	-	-	-	-
Nickel (dissolved)	µg/L	100	-	-	-	-	-	-	-	-
Potassium	µg/L	-	-	1250 U	1340	-	-	-	-	-
Potassium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-
Selenium	µg/L	10	-	3.8	5 U	-	-	-	-	-
Selenium (dissolved)	µg/L	10	-	-	-	-	-	-	-	-
Silver	µg/L	50	-	0.75 U	10 U	-	-	-	-	-
Silver (dissolved)	µg/L	50	-	-	-	-	-	-	-	-
Sodium	µg/L	20000	-	**42400**	**203000**	-	-	-	-	-
Sodium (dissolved)	µg/L	20000	-	-	-	-	-	-	-	-
Thallium	µg/L	0.5	-	5.7 U	10 U	-	-	-	-	-
Thallium (dissolved)	µg/L	0.5	-	-	-	-	-	-	-	-
Vanadium	µg/L	-	-	5.0 U	50 U	-	-	-	-	-
Vanadium (dissolved)	µg/L	-	-	-	-	-	-	-	-	-
Zinc	µg/L	2000	-	3.2 U	20 U	-	-	-	-	-
Zinc (dissolved)	µg/L	2000	-	-	-	-	-	-	-	-
PCBs										
Aroclor-1016 (PCB-1016)	µg/L	0.9[a]	-	1.0 U	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	0.9[a]	-	1.0 U	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	0.9[a]	-	1.0 U	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	0.9[a]	-	1.0 U	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	0.9[a]	-	1.0 U	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	0.9[a]	-	1.0 U	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	0.9[a]	-	1.0 U	-	-	-	-	-	-
Total PCBs	µg/L	0.9	-	-	-	-	-	-	-	-
Pesticides										
4,4'-DDD	µg/L	0.3	-	0.050 U	-	-	-	-	-	-
4,4'-DDE	µg/L	0.2	-	0.050 U	-	-	-	-	-	-
4,4'-DDT	µg/L	0.2	-	0.050 U	-	-	-	-	-	-
Aldrin	µg/L	-	-	0.050 U	-	-	-	-	-	-
alpha-BHC	µg/L	0.01	-	0.050 U	-	-	-	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-	-	-	-
beta-BHC	µg/L	0.04	-	0.050 U	-	-	-	-	-	-
Chlordane	µg/L	0.05	-	0.50 U	-	-	-	-	-	-
delta-BHC	µg/L	0.04	-	0.050 U	-	-	-	-	-	-
Dieldrin	µg/L	0.004	-	0.050 U	-	-	-	-	-	-
Endosulfan I	µg/L	-	-	0.050 U	-	-	-	-	-	-
Endosulfan II	µg/L	-	-	0.050 U	-	-	-	-	-	-
Endosulfan sulfate	µg/L	-	-	0.050 U	-	-	-	-	-	-
Endrin	µg/L	-	-	0.050 U	-	-	-	-	-	-
Endrin aldehyde	µg/L	5	-	0.050 U	-	-	-	-	-	-
Endrin ketone	µg/L	5	-	0.050 U	-	-	-	-	-	-
gamma-BHC (lindane)	µg/L	0.05	-	0.050 U	-	-	-	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04	-	0.050 U	-	-	-	-	-	-
Heptachlor epoxide	µg/L	0.03	-	0.050 U	-	-	-	-	-	-
Methoxychlor	µg/L	35	-	0.10 U	-	-	-	-	-	-

TABLE 2.3

GROUNDWATER ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:			*VRI-7*	*VRI-8*	*VRI-8*	*VRI-9*	*VRI-9*	*VRI-10*	*VRI-10*	*VRI-10*
Sample ID:			*GW-18631-120511-001*	*GW-18631-RW-018*	*GW-18631-RW-14*	*GW-18631-101211-BP-010*	*GW-18631-120711-013*	*GW-18631-101211-AW-012*	*WG-18631-111511-BP-001*	*GW-18631-120611-007*
Sample Date:			*12/5/2011*	*10/17/2001*	*4/3/2002*	*10/12/2011*	*12/7/2011*	*10/13/2011*	*11/15/2011*	*12/6/2011*
Parameters	***Units***	***NYSDEC GA Groundwater Standards***								
Toxaphene	µg/L	0.06	-	2.0 U	-	-	-	-	-	-
Petroleum Products										
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C28)	µg/L	-	-	500 U	23000	-	-	-	-	-
General Chemistry										
Conductivity	µmhos/cm	-	-	-	-	-	-	-	-	-
Cyanide (total)	µg/L	200	-	10.0 U	-	-	-	-	-	-
pH (water)	s.u.	6.5-8.5	-	-	-	-	-	-	-	-
Phenolics (total)	µg/L	1	-	10 U	-	-	-	-	-	-
Sulfide	µg/L	50	-	-	-	-	-	-	-	-

Notes:

U - Non-detect at associated value.
J - Associated value is considered estimated.
a - Criterion is for total PCBs
- Value exceeds criterion.

TABLE 2.4

SOIL GAS ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:		*SG-14-1*	*SG-14-2*	*SG-14-3*	*SG-31-1*	*SG-31-2*
Sample ID:		*SG-18631-081211-BP-001*	*SG-18631-081211-BP-002*	*SG-18631-081211-BP-003*	*SG-18631-081211-BP-004*	*SG-18631-081211-BP-005*
Sample Date:		*8/12/2011*	*8/12/2011*	*8/12/2011*	*8/12/2011*	*8/12/2011*
Parameters	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/m^3	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U
1,1,2,2-Tetrachloroethane	µg/m^3	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U
1,1,2-Trichloroethane	µg/m^3	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U
1,1-Dichloroethane	µg/m^3	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
1,1-Dichloroethene	µg/m^3	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
1,2,4-Trichlorobenzene	µg/m^3	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U
1,2,4-Trimethylbenzene	µg/m^3	6.1	14	4.0	3.9 U	3.9 U
1,2-Dibromoethane (Ethylene dibromide)	µg/m^3	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
1,2-Dichlorobenzene	µg/m^3	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
1,2-Dichloroethane	µg/m^3	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
1,2-Dichloropropane	µg/m^3	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2-Dichlorotetrafluoroethane (CFC 114)	µg/m^3	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U
1,3,5-Trimethylbenzene	µg/m^3	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
1,3-Dichlorobenzene	µg/m^3	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
1,4-Dichlorobenzene	µg/m^3	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
1,4-Dioxane	µg/m^3	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U
2,2,4-Trimethylpentane	µg/m^3	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/m^3	10	14	9.4 U	9.4 U	9.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/m^3	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U
Benzene	µg/m^3	2.7	2.6 U	2.6 U	2.6 U	2.6 U
Benzyl chloride	µg/m^3	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U
Bromodichloromethane	µg/m^3	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
Bromoform	µg/m^3	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U
Bromomethane (Methyl bromide)	µg/m^3	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Carbon tetrachloride	µg/m^3	2.7	7.4	2.5 U	2.5 U	2.5 U
Chlorobenzene	µg/m^3	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Chloroethane	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Chloroform (Trichloromethane)	µg/m^3	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
Chloromethane (Methyl chloride)	µg/m^3	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U

TABLE 2.4

SOIL GAS ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

	Sample Location:	*SG-14-1*	*SG-14-2*	*SG-14-3*	*SG-31-1*	*SG-31-2*
	Sample ID:	*SG-18631-081211-BP-001*	*SG-18631-081211-BP-002*	*SG-18631-081211-BP-003*	*SG-18631-081211-BP-004*	*SG-18631-081211-BP-005*
	Sample Date:	*8/12/2011*	*8/12/2011*	*8/12/2011*	*8/12/2011*	*8/12/2011*
Parameters	*Units*					
cis-1,2-Dichloroethene	µg/m^3	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
cis-1,3-Dichloropropene	µg/m^3	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
Cyclohexane	µg/m^3	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U
Dibromochloromethane	µg/m^3	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U
Dichlorodifluoromethane (CFC-12)	µg/m^3	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Ethanol	µg/m^3	56	37	24	15 U	26
Ethylbenzene	µg/m^3	6.2	13	3.7	6.2	4.7
Hexachlorobutadiene	µg/m^3	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
Hexane	µg/m^3	7.0 U	7.0 U	7.0 U	7.0 U	7.0 U
Isopropyl benzene	µg/m^3	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U
m&p-Xylenes	µg/m^3	20	47	13	18	15
Methyl tert butyl ether (MTBE)	µg/m^3	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
Methylene chloride	µg/m^3	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U
Naphthalene	µg/m^3	10 U	10 U	10 U	10 U	10 U
N-Propylbenzene	µg/m^3	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U
o-Xylene	µg/m^3	6.2	16	4.2	4.6	4.0
Styrene	µg/m^3	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
tert-Butyl alcohol	µg/m^3	17	17	13	9.7 U	9.7 U
Tetrachloroethene	µg/m^3	5.4 U	17	5.4 U	5.4 U	5.7
Toluene	µg/m^3	18	29	18	22	18
trans-1,2-Dichloroethene	µg/m^3	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
trans-1,3-Dichloropropene	µg/m^3	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
Trichloroethene	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Trichlorofluoromethane (CFC-11)	µg/m^3	5.1	4.5 U	4.5 U	4.7	6.9
Trifluorotrichloroethane (Freon 113)	µg/m^3	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
Vinyl chloride	µg/m^3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:

µg/m^3 - Micrograms per Cubic Meter.
U - Concentration is Non-Detect at Associated Value.

TABLE 2.4

SOIL GAS ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample Location:		*SG-33-1*	*SG-33-2*	*SG-33-2*	*SG-33-3*
Sample ID:		*SG-18631-081211-BP-006*	*SG-18631-081211-BP-007*	*SG-18631-081211-BP-009*	*SG-18631-081211-BP-008*
Sample Date:		*8/12/2011*	*8/12/2011*	*8/12/2011*	*8/12/2011*
				Duplicate	
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/m^3	4.4 U	4.4 U	4.4 U	4.4 U
1,1,2,2-Tetrachloroethane	µg/m^3	5.5 U	5.5 U	5.5 U	5.5 U
1,1,2-Trichloroethane	µg/m^3	4.4 U	4.4 U	4.4 U	4.4 U
1,1-Dichloroethane	µg/m^3	3.2 U	3.2 U	3.2 U	3.2 U
1,1-Dichloroethene	µg/m^3	3.2 U	3.2 U	3.2 U	3.2 U
1,2,4-Trichlorobenzene	µg/m^3	5.9 U	5.9 U	5.9 U	5.9 U
1,2,4-Trimethylbenzene	µg/m^3	6.3	7.0	6.1	3.9 U
1,2-Dibromoethane (Ethylene dibromide)	µg/m^3	6.1 U	6.1 U	6.1 U	6.1 U
1,2-Dichlorobenzene	µg/m^3	4.8 U	4.8 U	4.8 U	4.8 U
1,2-Dichloroethane	µg/m^3	3.2 U	3.2 U	3.2 U	3.2 U
1,2-Dichloropropane	µg/m^3	3.7 U	3.7 U	3.7 U	3.7 U
1,2-Dichlorotetrafluoroethane (CFC 114)	µg/m^3	5.6 U	5.6 U	5.6 U	5.6 U
1,3,5-Trimethylbenzene	µg/m^3	3.9 U	3.9 U	3.9 U	3.9 U
1,3-Dichlorobenzene	µg/m^3	4.8 U	4.8 U	4.8 U	4.8 U
1,4-Dichlorobenzene	µg/m^3	4.8 U	4.8 U	4.8 U	4.8 U
1,4-Dioxane	µg/m^3	7.2 U	7.2 U	7.2 U	7.2 U
2,2,4-Trimethylpentane	µg/m^3	9.3 U	9.3 U	9.3 U	9.3 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/m^3	9.4 U	9.4 U	9.4 U	9.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/m^3	8.2 U	8.2 U	8.2 U	8.2 U
Benzene	µg/m^3	2.6 U	2.6 U	2.6 U	2.6 U
Benzyl chloride	µg/m^3	8.3 U	8.3 U	8.3 U	8.3 U
Bromodichloromethane	µg/m^3	5.4 U	5.4 U	5.4 U	5.4 U
Bromoform	µg/m^3	8.3 U	8.3 U	8.3 U	8.3 U
Bromomethane (Methyl bromide)	µg/m^3	3.1 U	3.1 U	3.1 U	3.1 U
Carbon tetrachloride	µg/m^3	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	µg/m^3	3.7 U	3.7 U	3.7 U	3.7 U
Chloroethane	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U
Chloroform (Trichloromethane)	µg/m^3	13	3.9 U	3.9 U	3.9 U
Chloromethane (Methyl chloride)	µg/m^3	4.1 U	4.1 U	4.1 U	4.1 U

TABLE 2.4

SOIL GAS ANALYTICAL RESULTS
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

	Sample Location:	*SG-33-1*	*SG-33-2*	*SG-33-2*	*SG-33-3*
	Sample ID:	*SG-18631-081211-BP-006*	*SG-18631-081211-BP-007*	*SG-18631-081211-BP-009*	*SG-18631-081211-BP-008*
	Sample Date:	*8/12/2011*	*8/12/2011*	*8/12/2011*	*8/12/2011*
				Duplicate	
Parameters	***Units***				
cis-1,2-Dichloroethene	µg/m^3	3.2 U	3.2 U	3.2 U	3.2 U
cis-1,3-Dichloropropene	µg/m^3	3.6 U	3.6 U	3.6 U	3.6 U
Cyclohexane	µg/m^3	6.9 U	6.9 U	6.9 U	6.9 U
Dibromochloromethane	µg/m^3	6.8 U	6.8 U	6.8 U	6.8 U
Dichlorodifluoromethane (CFC-12)	µg/m^3	3500	2700	2200	3700
Ethanol	µg/m^3	48	15 U	15 U	15 U
Ethylbenzene	µg/m^3	7.0	9.5	8.4	5.1
Hexachlorobutadiene	µg/m^3	8.5 U	8.5 U	8.5 U	8.5 U
Hexane	µg/m^3	7.0 U	7.0 U	7.0 U	7.0 U
Isopropyl benzene	µg/m^3	7.9 U	7.9 U	7.9 U	7.9 U
m&p-Xylenes	µg/m^3	24	36	31	17
Methyl tert butyl ether (MTBE)	µg/m^3	5.8 U	5.8 U	5.8 U	5.8 U
Methylene chloride	µg/m^3	6.9 U	6.9 U	6.9 U	6.9 U
Naphthalene	µg/m^3	10 U	10 U	10 U	10 U
N-Propylbenzene	µg/m^3	7.9 U	7.9 U	7.9 U	7.9 U
o-Xylene	µg/m^3	7.4	9.5	8.2	4.5
Styrene	µg/m^3	3.4 U	3.4 U	3.4 U	3.4 U
tert-Butyl alcohol	µg/m^3	17	11	9.7 U	9.7 U
Tetrachloroethene	µg/m^3	5.4 U	5.4 U	5.4 U	5.4 U
Toluene	µg/m^3	15	20	19	16
trans-1,2-Dichloroethene	µg/m^3	3.2 U	3.2 U	3.2 U	3.2 U
trans-1,3-Dichloropropene	µg/m^3	3.6 U	3.6 U	3.6 U	3.6 U
Trichloroethene	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U
Trichlorofluoromethane (CFC-11)	µg/m^3	8.6	5.4	4.8	6.2
Trifluorotrichloroethane (Freon 113)	µg/m^3	6.1 U	6.1 U	6.1 U	6.1 U
Vinyl chloride	µg/m^3	2.0 U	2.0 U	2.0 U	2.0 U

Notes:

µg/m^3 - Micrograms per Cubic Meter.
U - Concentration is Non-Detect at Associated Value.

TABLE 6.1

ALTERNATIVE 2 - MONITORED NATURAL ATTENUATION COST ESTIMATE
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Description	*Units*	*Unit Price*	*Quantity*	*Total*
CAPITAL AND CONSTRUCTION COSTS	No capital or construction costs			$ -
SUBTOTAL				$ -
O&M (natural attenuation groundwater monitoring)				
Equipment and Disbursements	LS	$ 3,200	1	$ 3,200
Labor:				
Project Manager	Hr	$ 184	5	$ 920
Project Engineer	Hr	$ 110	20	$ 2,200
Field Personnel	Hr	$ 98	60	$ 5,880
Chemist	Hr	$ 136	20	$ 2,720
Environmental Scientist (disposal)	Hr	$ 121	2	$ 242
Drafting	Hr	$ 88	2.5	$ 220
Word Processing	Hr	$ 57	2.5	$ 143
Disposal of drummed water	Drum	$ 520	2	$ 1,040
Labor and Equipment per Monitoring Event				**$ 16,560**
Year 1: Analytical - VOCs + non-standard VOCs + Natural Attenuation Parameters	VOCs	$ 68.25	48	$ 3,276
	PAHs	$ 94.50	36	$ 3,402
	Nitrate	$ 11.55	36	$ 416
	Iron II	$ 15.75	36	$ 567
	Sulfate	$ 11.55	36	$ 416
	Alkalinity	$ 10.50	36	$ 378
	Methane	$ 84.00	36	$ 3,024
YEAR 1 ANALYTICAL COST (2)				**$ 11,480**
Year 2 to 30: Analytical - VOCs + non-standard VOCs + Natural Attenuation Parameters	VOCs	$ 68.25	24	$ 1,638
	PAHs	$ 94.50	18	$ 1,701
	Nitrate	$ 11.55	18	$ 208
	Iron II	$ 15.75	18	$ 284
	Sulfate	$ 11.55	18	$ 208
	Alkalinity	$ 10.50	18	$ 189
	Methane	$ 84.00	18	$ 1,512

TABLE 6.1

ALTERNATIVE 2 - MONITORED NATURAL ATTENUATION COST ESTIMATE
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Description	*Units*	*Unit Price*	*Quantity*	*Total*
YEAR 2 TO 30 ANNUAL ANALYTICAL COST (1)				**$ 5,740**
5-Year Evaluation	LS	$ 8,000	1	**$ 8,000**
Present Worth for 30-Year Period including 20% Contingency (2)				**$ 970,300**

Notes:

(1) Rounded to nearest 10.
(2) Present Worth value is rounded to nearest 100.

TABLE 6.2

ALTERNATIVE 3 - IN SITU CHEMICAL OXIDATION COST ESTIMATE
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Description	*Units*	*Unit Price*	*Quantity*	*Total*
CAPITAL AND CONSTRUCTION COSTS				
Work Plan	Hr	$ 125	60	$ 7,500
Drilling and Well Installation	Well	$ 6,500	6	$ 39,000
Waste Disposal	LS	$ 2,500	1	$ 2,500
Drilling Oversight	Hr	$ 150	100	$ 15,000
Sampling	Hr	$ 105	80	$ 8,400
SUBTOTAL				$ 72,400
Engineering	Percent	20%		$ 14,480
Bonds and Insurance	Percent	3%		$ 2,172
Mob/Demob	Percent	2%		$ 1,448
Permits	Percent	12%		$ 8,688
Health and Safety	Percent	3%		$ 2,172
Construction Facilities and Temporary Controls	Percent	5%		$ 3,620
SUBTOTAL				$ 32,580
TOTAL CONSTRUCTION COST				**$ 104,980**
O&M - ISCO Operations				
Equipment	LS	$ 3,750	1	$ 3,750
Oxidant	LS	$ 21,800	1	$ 21,800
Activator	LS	$ 15,060	1	$ 15,060
Labor	Hr	$ 105	120	$ 12,600
Analytical	Sample	$ 175	10	$ 1,750
Reporting	LS	$ 3,125	1	$ 3,125
ISCO O&M COST FOR 1 YEAR (1)				**$ 58,090**

TABLE 6.2

ALTERNATIVE 3 - IN SITU CHEMICAL OXIDATION COST ESTIMATE
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Description	*Units*	*Unit Price*	*Quantity*	*Total*
Injection Well Abandonment				
Abandonment of Injection Wells	LS	$ 5,800	1	$ 5,800
Abandonment Oversight	Hr	$ 98	20	$ 1,960
Field Disbursements	LS	$ 500	1	$ 500
Waste Disposal	LS	$ 1,500	1	$ 1,500
END OF YEAR 5				**$ 9,760**
Groundwater Monitoring before first injection: VRI-1, 2 and GT-9				
Equipment and Disbursements	LS	$ 1,500	1	$ 1,500
Labor:				
Project Manager	Hr	$ 184	2	$ 368
Project Engineer	Hr	$ 110	5	$ 550
Field Personnel	Hr	$ 98	15	$ 1,470
Chemist	Hr	$ 136	5	$ 680
Environmental Scientist (disposal)	Hr	$ 121	2	$ 242
Drafting	Hr	$ 88	2.5	$ 220
Word Processing	Hr	$ 57	2.5	$ 143
Disposal of drummed water	Drum	$ 520	1	$ 520
Analytical - VOCs + non-standard VOCs	Sample	$ 68.25	5	$ 341
				$ 6,030

TABLE 6.2

ALTERNATIVE 3 - IN SITU CHEMICAL OXIDATION COST ESTIMATE
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Description	*Units*		*Unit Price*	*Quantity*		*Total*
Year 1 Groundwater Monitoring: 6 ISCO wells, VRI-1, 2 and GT-9; 2 rounds						
Equipment and Disbursements	LS	$	6,400	1	$	6,400
Labor:						
Project Manager	Hr	$	184	10	$	1,840
Project Engineer	Hr	$	110	30	$	3,300
Field Personnel	Hr	$	98	80	$	7,840
Chemist	Hr	$	136	25	$	3,400
Environmental Scientist (disposal)	Hr	$	121	2	$	242
Drafting	Hr	$	88	4	$	352
Word Processing	Hr	$	57	3	$	171
Disposal of drummed water	Drum	$	520	3	$	1,560
Analytical - VOCs + non-standard VOCs	Sample	$	68.25	22	$	1,502
					$	**26,610**
Year 2 Groundwater Monitoring: 6 ISCO wells, VRI-1, 2, 3, 4, 9 and GT-7, 9, 14, 15, 16; 2 rounds						
Equipment and Disbursements	LS	$	6,400	1	$	6,400
Labor:						
Project Manager	Hr	$	184	10	$	1,840
Project Engineer	Hr	$	110	30	$	3,300
Field Personnel	Hr	$	98	100	$	9,800
Chemist	Hr	$	136	25	$	3,400
Environmental Scientist (disposal)	Hr	$	121	2	$	242
Drafting	Hr	$	88	5	$	440
Word Processing	Hr	$	57	5	$	285
Disposal of drummed water	Drum	$	520	5	$	2,600
Analytical - VOCs + non-standard VOCs	Sample	$	68.25	40	$	2,730
					$	**31,040**

TABLE 6.2

ALTERNATIVE 3 - IN SITU CHEMICAL OXIDATION COST ESTIMATE
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Description	*Units*	*Unit Price*	*Quantity*	*Total*
Year 3 to 5 Annual Groundwater Monitoring: VRI-1, 2, 3, 4, 9 and GT-7, 9, 14, 15, 16; 1 round each year				
Equipment and Disbursements	LS	$ 3,200	1	$ 3,200
Labor:				
Project Manager	Hr	$ 184	5	$ 920
Project Engineer	Hr	$ 110	20	$ 2,200
Field Personnel	Hr	$ 98	60	$ 5,880
Chemist	Hr	$ 136	20	$ 2,720
Environmental Scientist (disposal)	Hr	$ 121	2	$ 242
Drafting	Hr	$ 88	2.5	$ 220
Word Processing	Hr	$ 57	2.5	$ 143
Disposal of drummed water	Drum	$ 520	2	$ 1,040
Analytical - VOCs + non-standard VOCs	Sample	$ 68.25	12	$ 819
				$ 17,380
Reporting at end of Year 5	LS	$ 8,000	1	**$ 8,000**
Present Worth for 5-Year Period including 20% Contingency (2)				**$ 344,000**

Notes:

(1) Rounded to nearest 10.
(2) Present Worth value is rounded to nearest 100.

TABLE 6.3

ALTERNATIVE 4 - IN SITU ENHANCED BIODEGRADATION COST ESTIMATE
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Description	*Units*	*Unit Price*	*Quantity*	*Total*
CAPITAL AND CONSTRUCTION COSTS				
Work Plan	Hr	$ 125	60	$ 7,500
Treatability Study	LS	$ 9,000	1	$ 9,000
Drilling and Well Installation	LS	$ 6,500	6	$ 39,000
iSOC Well Vault Installation	Well	$ 250	6	$ 1,500
iSOC Units	Unit	$ 6,250	3	$ 18,750
Waste Disposal	LS	$ 5,000	1	$ 5,000
Tanks, Pipes, etc.	LS	$ 2,000	1	$ 2,000
SUBTOTAL				$ 82,750
Engineering	Percent	20%		$ 16,550
Bonds and Insurance	Percent	3%		$ 2,483
Mob/Demob	Percent	2%		$ 1,655
Permits	Percent	12%		$ 9,930
Health and Safety	Percent	3%		$ 2,483
Construction Facilities and Temporary Controls	Percent	5%		$ 4,138
SUBTOTAL				$ 37,238
TOTAL CONSTRUCTION COST (1)				**$ 119,990**
O&M - ISEB				
Oxygen	LS	$ 2,500	1	$ 2,500
Nutrients	LS	$ 375	1	$ 375
Equipment Rental	LS	$ 2,000	1	$ 2,000
Labor	Hr	$ 105	120	$ 12,600
Analytical	Sample	$ 325	8	$ 2,600
Reporting	LS	$ 2,000	1	$ 2,000
ANNUAL ISEB O&M COST FOR 5 YEARS (1)				**$ 22,080**
Injection Well Abandonment				
Abandonment of Injection Wells	LS	$ 5,800	1	$ 5,800
Abandonment Oversight	Hr	$ 98	20	$ 1,960
Field Disbursements	LS	$ 500	1	$ 500
Waste Disposal	LS	$ 1,500	1	$ 1,500
END OF YEAR 10				**$ 9,760**

ALTERNATIVE 4 - IN SITU ENHANCED BIODEGRADATION COST ESTIMATE
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Description	*Units*		*Unit Price*	*Quantity*		*Total*
Groundwater Monitoring before first injection: VRI-1,2; GT-9						
Equipment and Disbursements	LS	$	1,500	1	$	1,500
Labor:						
Project Manager	Hr	$	184	2	$	368
Project Engineer	Hr	$	110	5	$	550
Field Personnel	Hr	$	98	15	$	1,470
Chemist	Hr	$	136	5	$	680
Environmental Scientist (disposal)	Hr	$	121	2	$	242
Drafting	Hr	$	88	2.5	$	220
Word Processing	Hr	$	57	2.5	$	143
Disposal of drummed water	Drum	$	520	1	$	520
Analytical - VOCs + non-standard VOCs + Natural Attenuation Parameters	VOCs	$	68.25	5	$	341
	PAHs	$	94.50	5	$	473
	Nitrate	$	11.55	5	$	58
	Iron II	$	15.75	5	$	79
	Sulfate	$	11.55	5	$	58
	Alkalinity	$	10.50	5	$	53
	Methane	$	84.00	5	$	420
					$	**7,170**
Year 1 to 6 Annual Groundwater Monitoring: 6 ISEB wells; VRI-1, 2, 3, 4, 9 and GT-7, 9, 14, 15, 16; 2 rounds each year						
Equipment and Disbursements	LS	$	6,400	1	$	6,400
Labor:						
Project Manager	Hr	$	184	10	$	1,840
Project Engineer	Hr	$	110	30	$	3,300
Field Personnel	Hr	$	98	100	$	9,800
Chemist	Hr	$	136	25	$	3,400
Environmental Scientist (disposal)	Hr	$	121	2	$	242
Drafting	Hr	$	88	5	$	440
Word Processing	Hr	$	57	5	$	285
Disposal of drummed water	Drum	$	520	5	$	2,600

ALTERNATIVE 4 - IN SITU ENHANCED BIODEGRADATION COST ESTIMATE
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Description	*Units*		*Unit Price*	*Quantity*		*Total*
Analytical - VOCs + non-standard VOCs + Natural Attenuation Parameters	VOCs	$	68.25	40	$	2,730
	PAHs	$	94.50	40	$	3,780
	Nitrate	$	11.55	40	$	462
	Iron II	$	15.75	40	$	630
	Sulfate	$	11.55	40	$	462
	Alkalinity	$	10.50	40	$	420
	Methane	$	84.00	40	$	3,360
					$	**40,150**
Year 7 to 10 Annual Groundwater Monitoring: VRI-1, 2, 3, 4, 9 and GT-7, 9, 14, 15, 16; 1 round each year						
Equipment and Disbursements	LS	$	3,200	1	$	3,200
Labor:						
Project Manager	Hr	$	184	5	$	920
Project Engineer	Hr	$	110	20	$	2,200
Field Personnel	Hr	$	98	60	$	5,880
Chemist	Hr	$	136	20	$	2,720
Environmental Scientist (disposal)	Hr	$	121	2	$	242
Drafting	Hr	$	88	2.5	$	220
Word Processing	Hr	$	57	2.5	$	143
Disposal of drummed water	Drum	$	520	2	$	1,040
Analytical - VOCs + non-standard VOCs + Natural Attenuation Parameters	VOCs	$	68.25	12	$	819
	PAHs	$	94.50	12	$	1,134
	Nitrate	$	11.55	12	$	139
	Iron II	$	15.75	12	$	189
	Sulfate	$	11.55	12	$	139
	Alkalinity	$	10.50	12	$	126
	Methane	$	84.00	12	$	1,008
					$	**20,120**
Reporting at end of Year 10	LS	$	8,000	1	**$**	**8,000**
Present Worth for 10-Year Period including 20% Contingency (1)					**$**	**629,600**

Notes:

(1) Rounded to nearest 10.
(2) Present Worth value is rounded to nearest 100.

TABLE 6.4

ALTERNATIVE 5 - RETURN TO PRE-DISPOSAL CONDITIONS COST ESTIMATE
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Description	*Units*	*Unit Price*	*Quantity*	*Total*
CAPITAL AND CONSTRUCTION COSTS				
Drilling and Installation of Replacement well VRI-1R	LS	$ 10,000	1	$ 10,000
Drilling and Injection Well Installation	Well	$ 6,500	6	$ 39,000
Installation of shoring	LS	$ 1,600,000	1	$ 1,600,000
Excavation and backfilling	Cy	$ 30	22,000	$ 660,000
Analytical - Soil samples of temporary soil stockpile	Ea	$ 150	10	$ 1,500
Import clean sandy fill	Cy	$ 6	2,000	$ 12,000
Waste Disposal of drilling cuttings	LS	$ 2,500	1	$ 2,500
Waste Disposal of impacted soil	Cy	$ 90	2,000	$ 180,000
SUBTOTAL				$ 2,505,000
Engineering	Percent	25%		$ 626,250
Bonds and Insurance	Percent	3%		$ 75,150
Mob/Demob	Percent	2%		$ 50,100
Permits	Percent	12%		$ 300,600
Health and Safety	Percent	3%		$ 75,150
Construction Facilities and Temporary Controls	Percent	5%		$ 125,250
SUBTOTAL				$ 1,252,500
TOTAL CONSTRUCTION COST				**$ 3,757,500**
O&M - ISCO Operations				
Equipment	LS	$ 3,750	1	$ 3,750
Oxidant	LS	$ 21,800	1	$ 21,800
Activator	LS	$ 15,060	1	$ 15,060
Labor	Hr	$ 105	120	$ 12,600
Analytical	Sample	$ 175	10	$ 1,750
Reporting	LS	$ 3,125	1	$ 3,125
ISCO O&M COST FOR 1 YEAR (1)				**$ 58,090**

TABLE 6.4

ALTERNATIVE 5 - RETURN TO PRE-DISPOSAL CONDITIONS COST ESTIMATE
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Description	*Units*	*Unit Price*	*Quantity*	*Total*
Injection Well Abandonment				
Abandonment of Injection Wells	LS	$ 5,800	1	$ 5,800
Abandonment Oversight	Hr	$ 98	20	$ 1,960
Field Disbursements	LS	$ 500	1	$ 500
Waste Disposal	LS	$ 1,500	1	$ 1,500
END OF YEAR 5				**$ 9,760**
Groundwater Monitoring before first injection: VRI-1, 2 and GT-9				
Equipment and Disbursements	LS	$ 1,500	1	$ 1,500
Labor:				
Project Manager	Hr	$ 184	2	$ 368
Project Engineer	Hr	$ 110	5	$ 550
Field Personnel	Hr	$ 98	15	$ 1,470
Chemist	Hr	$ 136	5	$ 680
Environmental Scientist (disposal)	Hr	$ 121	2	$ 242
Drafting	Hr	$ 88	2.5	$ 220
Word Processing	Hr	$ 57	2.5	$ 143
Disposal of drummed water	Drum	$ 520	1	$ 520
Analytical - VOCs + non-standard VOCs	Sample	$ 68.25	5	$ 341
				$ 6,030

TABLE 6.4

ALTERNATIVE 5 - RETURN TO PRE-DISPOSAL CONDITIONS COST ESTIMATE
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Description	*Units*		*Unit Price*	*Quantity*		*Total*
Year 1 Groundwater Monitoring: 6 ISCO wells, VRI-1, 2 and GT-9; 2 rounds						
Equipment and Disbursements	LS	$	6,400	1	$	6,400
Labor:						
Project Manager	Hr	$	184	10	$	1,840
Project Engineer	Hr	$	110	30	$	3,300
Field Personnel	Hr	$	98	80	$	7,840
Chemist	Hr	$	136	25	$	3,400
Environmental Scientist (disposal)	Hr	$	121	2	$	242
Drafting	Hr	$	88	4	$	352
Word Processing	Hr	$	57	3	$	171
Disposal of drummed water	Drum	$	520	3	$	1,560
Analytical - VOCs + non-standard VOCs	Sample	$	68.25	22	$	1,502
					$	**26,610**
Year 2 Groundwater Monitoring: 6 ISCO wells, VRI-1, 2, 3, 4, 9 and GT-7, 9, 14, 15, 16; 2 rounds						
Equipment and Disbursements	LS	$	6,400	1	$	6,400
Labor:						
Project Manager	Hr	$	184	10	$	1,840
Project Engineer	Hr	$	110	30	$	3,300
Field Personnel	Hr	$	98	100	$	9,800
Chemist	Hr	$	136	25	$	3,400
Environmental Scientist (disposal)	Hr	$	121	2	$	242
Drafting	Hr	$	88	5	$	440
Word Processing	Hr	$	57	5	$	285
Disposal of drummed water	Drum	$	520	5	$	2,600
Analytical - VOCs + non-standard VOCs	Sample	$	68.25	40	$	2,730
					$	**31,040**

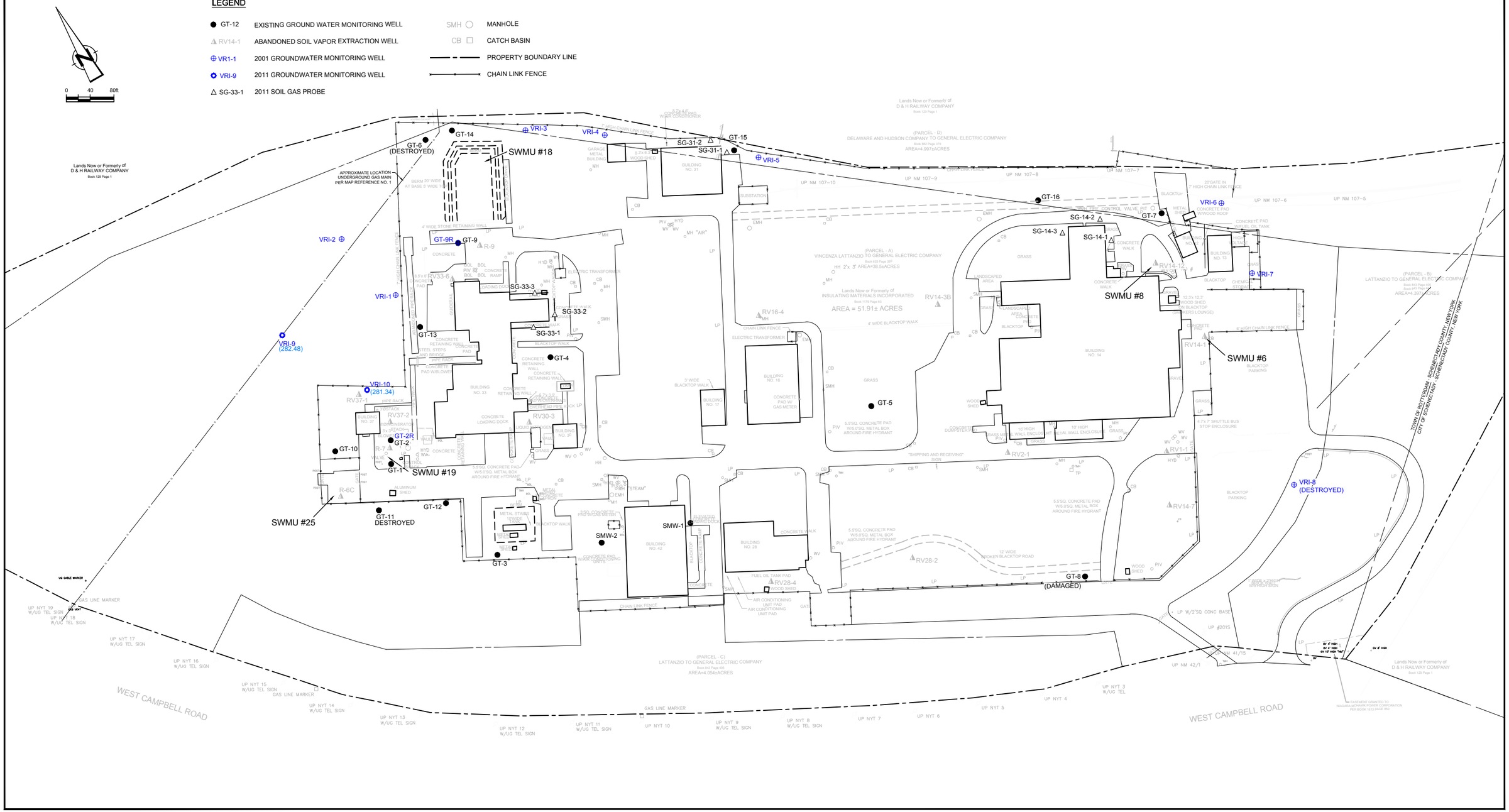
TABLE 6.4

ALTERNATIVE 5 - RETURN TO PRE-DISPOSAL CONDITIONS COST ESTIMATE
FOCUSED FEASIBILITY STUDY
VON ROLL ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Description	*Units*	*Unit Price*	*Quantity*	*Total*
Year 3 to 5 Annual Groundwater Monitoring: VRI-1, 2, 3, 4, 9 and GT-7, 9, 14, 15, 16; 1 round each year				
Equipment and Disbursements	LS	$ 3,200	1	$ 3,200
Labor:				
Project Manager	Hr	$ 184	5	$ 920
Project Engineer	Hr	$ 110	20	$ 2,200
Field Personnel	Hr	$ 98	60	$ 5,880
Chemist	Hr	$ 136	20	$ 2,720
Environmental Scientist (disposal)	Hr	$ 121	2	$ 242
Drafting	Hr	$ 88	2.5	$ 220
Word Processing	Hr	$ 57	2.5	$ 143
Disposal of drummed water	Drum	$ 520	2	$ 1,040
Analytical - VOCs + non-standard VOCs	Sample	$ 68.25	12	$ 819
				$ 17,380
Reporting at end of Year 5	LS	$ 8,000	1	**$ 8,000**
Present Worth for 5-Year Period including 20% Contingency (2)				**$ 4,727,000**

Notes:

(1) Rounded to nearest 10.
(2) Present Worth value is rounded to nearest 100.



SCALE VERIFICATION: THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

No.	Revision	Date	Initial

Approved

VRI-RIVERVIEW FACILITY
Schenectady, New York

SITE MAP

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:			Date: FEBRUARY 2012
Project Manager: J.K.P.	Reviewed By: J.H.	Designed By:	Drawn By: G.R.B.
Scale: AS SHOWN	Project No: 18631-50	Report No: 011	Drawing No: PLAN 1

18631-50(011)GN-WA002 NOV 6/2012

LEGEND

● GT-12	EXISTING GROUND WATER MONITORING WELL	△ SG-33-1	2011 SOIL GAS PROBE
▲ RV14-1	ABANDONED SOIL VAPOR EXTRACTION WELL	SMH ○	MANHOLE
■ U8-SB-1	SOIL BORING LOCATION	CB □	CATCH BASIN
⊕ VR1-1	2001 GROUNDWATER MONITORING WELL	———	PROPERTY BOUNDARY LINE
⊠ B16-SS-1	SURFACE SOIL SAMPLE LOCATION	-x-x-x-	CHAIN LINK FENCE
⊖ VRI-9	2011 GROUNDWATER MONITORING WELL		

J	ESTIMATED VALUE	
ND	NOT DETECTED AT ASSOCIATED CONCENTRATION	
NA	NOT ANALYZED	
NS	NOT SAMPLED	

LOCATION ID | SAMPLE DATE / SAMPLE INTERVAL (ft.) | CRITERIA EXCEEDANCES (µg/kg)

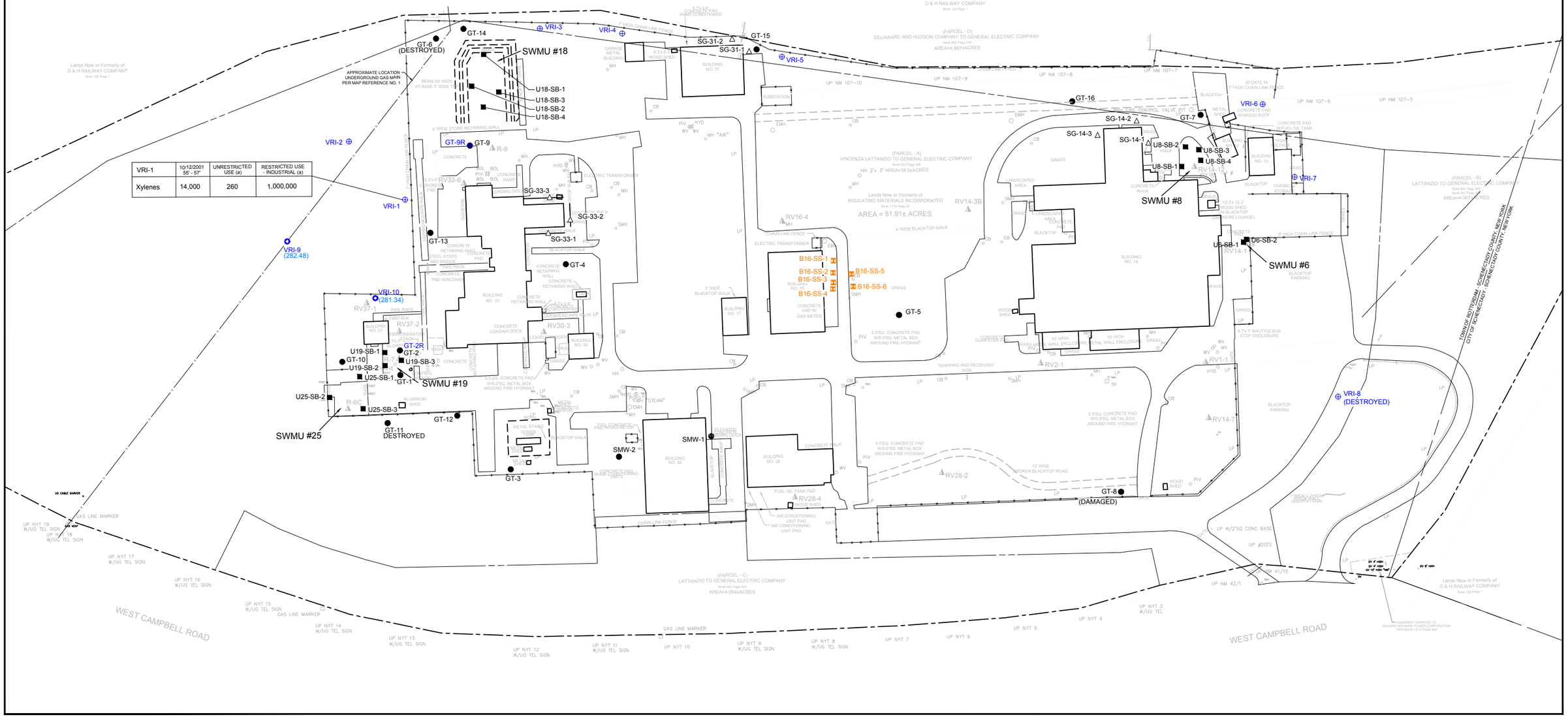
	10/12/2001 55' - 57'	UNRESTRICTED USE (a)	RESTRICTED USE - INDUSTRIAL (a)
VRI-1			
Xylenes	14,000	260	1,000,000

PARAMETER THAT EXCEEDED ONE OR BOTH CRITERIA

PARAMETER CONCENTRATION (µg/kg)

(a) NYSDEC PART 375, SOIL CLEANUP OBJECTIVE TABLES
UNRESTRICTED USE: TABLE 375-6.8(a)
RESTRICTED USE - INDUSTRIAL: TABLE 375-6.8(b)

0 40 80ft



SCALE VERIFICATION: THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

No	Revision	Date	Initial

Approved

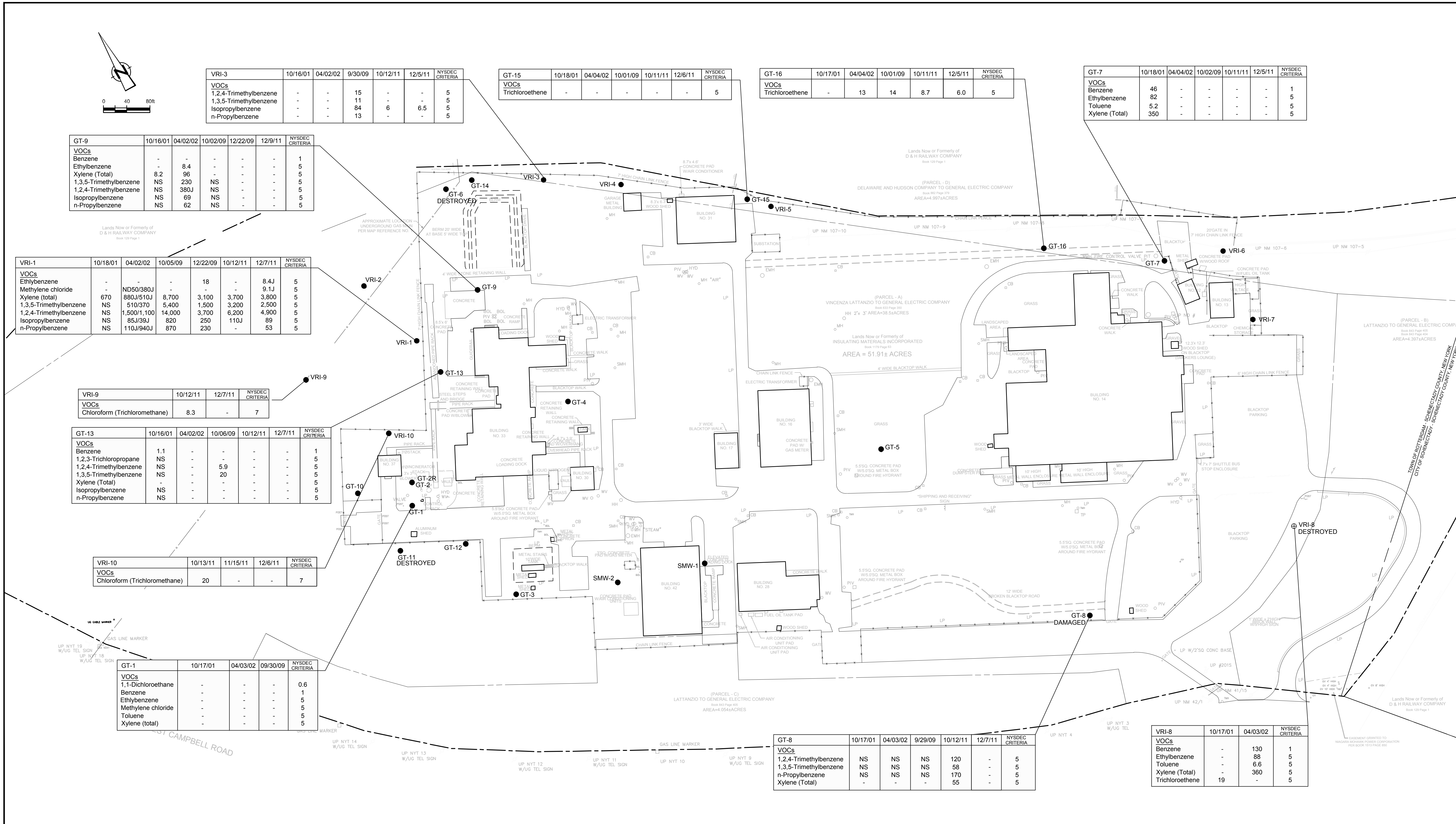
VRI-RIVERVIEW FACILITY
Schenectady, New York

2001 BOREHOLE AND SURFACE SOIL SAMPLING LOCATIONS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:			Date: FEBRUARY 2012
Project Manager: J.K.P.	Reviewed By: J.H.	Designed By:	Drawn By: G.R.B.
Scale: AS SHOWN	Project No: 18631-50	Report No: 011	Drawing No: PLAN 2

18631-50(011)GN-WA008 NOV 6/2012



VRI-3	10/16/01	04/02/02	9/30/09	10/12/11	12/5/11	NYSDEC CRITERIA
VOCs						
1,2,4-Trimethylbenzene	-	-	15	-	-	5
1,3,5-Trimethylbenzene	-	-	11	-	-	5
Isopropylbenzene	-	-	84	6	6.5	5
n-Propylbenzene	-	-	13	-	-	5

GT-15	10/18/01	04/04/02	10/01/09	10/11/11	12/6/11	NYSDEC CRITERIA
VOCs						
Trichloroethene	-	-	-	-	-	5

GT-16	10/17/01	04/04/02	10/01/09	10/11/11	12/5/11	NYSDEC CRITERIA
VOCs						
Trichloroethene	-	13	14	8.7	6.0	5

GT-7	10/18/01	04/04/02	10/02/09	10/11/11	12/5/11	NYSDEC CRITERIA
VOCs						
Benzene	46	-	-	-	-	1
Ethylbenzene	82	-	-	-	-	5
Toluene	5.2	-	-	-	-	5
Xylene (Total)	350	-	-	-	-	5

GT-9	10/16/01	04/02/02	10/02/09	12/22/09	12/9/11	NYSDEC CRITERIA
VOCs						
Benzene	-	-	-	-	-	1
Ethylbenzene	-	8.4	-	-	-	5
Xylene (Total)	8.2	96	-	-	-	5
1,3,5-Trimethylbenzene	NS	230	NS	-	-	5
1,2,4-Trimethylbenzene	NS	380J	NS	-	-	5
Isopropylbenzene	NS	69	NS	-	-	5
n-Propylbenzene	NS	62	NS	-	-	5

VRI-1	10/18/01	04/02/02	10/05/09	12/22/09	10/12/11	12/7/11	NYSDEC CRITERIA
VOCs							
Ethylbenzene	-	-	-	18	-	8.4J	5
Methylene chloride	-	ND50/380J	-	-	-	9.1J	5
Xylene (total)	670	880J/510J	8,700	3,100	3,700	3,800	5
1,3,5-Trimethylbenzene	NS	510/370	5,400	1,500	3,200	2,500	5
1,2,4-Trimethylbenzene	NS	1,500/1,100	14,000	3,700	6,200	4,900	5
Isopropylbenzene	NS	85J/39J	820	250	110J	89	5
n-Propylbenzene	NS	110J/940J	870	230	-	53	5

VRI-9	10/12/11	12/7/11	NYSDEC CRITERIA
VOCs			
Chloroform (Trichloromethane)	8.3	-	7

GT-13	10/16/01	04/02/02	10/06/09	10/12/11	12/7/11	NYSDEC CRITERIA
VOCs						
Benzene	1.1	-	-	-	-	1
1,2,3-Trichloropropane	NS	-	-	-	-	5
1,2,4-Trimethylbenzene	NS	-	5.9	-	-	5
1,3,5-Trimethylbenzene	NS	-	20	-	-	5
Xylene (Total)	-	-	-	-	-	5
Isopropylbenzene	NS	-	-	-	-	5
n-Propylbenzene	NS	-	-	-	-	5

VRI-10	10/13/11	11/15/11	12/6/11	NYSDEC CRITERIA
VOCs				
Chloroform (Trichloromethane)	20	-	-	7

GT-1	10/17/01	04/03/02	09/30/09	NYSDEC CRITERIA
VOCs				
1,1-Dichloroethane	-	-	-	0.6
Benzene	-	-	-	1
Ethlybenzene	-	-	-	5
Methylene chloride	-	-	-	5
Toluene	-	-	-	5
Xylene (total)	-	-	-	5

GT-8	10/17/01	04/03/02	9/29/09	10/12/11	12/7/11	NYSDEC CRITERIA
VOCs						
1,2,4-Trimethylbenzene	NS	NS	NS	120	-	5
1,3,5-Trimethylbenzene	NS	NS	NS	58	-	5
n-Propylbenzene	NS	NS	NS	170	-	5
Xylene (Total)	-	-	-	55	-	5

VRI-8	10/17/01	04/03/02	NYSDEC CRITERIA
VOCs			
Benzene	-	130	1
Ethylbenzene	-	88	5
Toluene	-	6.6	5
Xylene (Total)	-	360	5
Trichloroethene	19	-	5

LEGEND

- ● VRI-1 GROUNDWATER MONITORING WELL
- SMH ○ MANHOLE
- CB □ CATCH BASIN
- PROPERTY BOUNDARY LINE
- CHAIN LINK FENCE
- J ESTIMATED VALUE
- ND NOT DETECTED AT ASSOCIATED CONCENTRATION
- NA NOT ANALYZED
- NS NOT SAMPLED

LOCATION ID — SAMPLE DATE — NYSDEC GROUNDWATER CLASS GA CRITERIA EXCEEDANCES (µg/L)

VRI-8	10/17/01	NYSDEC CRITERIA
VOCs		
Benzene	-	1
Ethylbenzene	-	5
Toluene	-	5
Xylene (Total)	-	5
Trichloroethene	19	5

PARAMETER — NO EXCEEDANCE OF CRITERIA/NOT ANALYZED — CONCENTRATION (µg/L)

SCALE VERIFICATION: THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

No	Revision	Date	Initial

Approved

VRI-RIVERVIEW FACILITY
Schenectady, New York

GROUNDWATER DATA - VOCs

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:			Date: FEBRUARY 2012
Project Manager: J.K.P.	Reviewed By: J.H.	Designed By:	Drawn By: G.R.B.
Scale: AS SHOWN	Project No: 18631-50	Report No: 011	Drawing No: PLAN 3a

18631-50(011)GN-WA004 NOV 6/2012

GT-9	10/16/01	04/02/02	10/02/09	12/22/09	12/9/11	NYSDEC CRITERIA
Metals						
Antimony	4.4	-	NS	NS	NS	3
Beryllium	-	-	NS	NS	NS	3
Lead	-	-	NS	NS	NS	25
Manganese	-	1,280	NS	NS	NS	300
Iron	-	877	NS	NS	NS	300
Sodium	-	39,400	NS	NS	NS	20,000
SVOCs						
Dieldrin	0.0056 J	-	-	NS	NS	0.004
Isophrone	-	-	-	NS	NS	50
4-Nitroaniline	-	-	-	NS	NS	5
Phenol	-	-	-	NS	NS	1
2,4-Dimethylphenol	-	3.1 J	-	NS	NS	1

VRI-3	10/16/01	04/02/02	9/30/09	10/12/11	12/5/11	NYSDEC CRITERIA
Metals						
Iron	1,470	4,220	NS	-	NS	300

GT-4	10/17/01	04/02/02	10/01/09	NYSDEC CRITERIA
Metals				
Iron	302	-	NS	300
Manganese	-	-	NS	300
Sodium	47,900	21,900	NS	20,000

GT-15	10/18/01	04/04/02	10/01/09	10/11/11	12/6/11	NYSDEC CRITERIA
Metals						
Iron	-	-	NS	NS	NS	300
Sodium	24,600	24,900 J	NS	NS	NS	20,000

GT-16	10/17/01	04/04/02	10/01/09	10/11/11	12/5/11	NYSDEC CRITERIA
Metals						
Chromium	99.6	-	NS	NS	NS	50
Iron	1,300	-	NS	NS	NS	300
Sodium	58,900	42,100 J	NS	NS	NS	20,000

GT-14	10/16/01	04/02/02	10/02/09	NYSDEC CRITERIA
Metals				
Iron	4,710	655	NS	300
Lead	-	-	NS	25
Magnesium	-	-	NS	35,000
Manganese	-	-	NS	300
SVOCs				
Phenol	-	-	-/-	1

VRI-5	11/29/01	04/04/02	10/6/09	12/6/11	NYSDEC CRITERIA
Metals					
Arsenic	54.1	-	NS	NS	25
Barium	1,110	-	NS	NS	1,000
Chromium	112	-	NS	NS	50
Copper	202	-	NS	NS	200
Iron	130,000	5,340 J	NS	NS	300
Lead	57.3	-	NS	NS	25
Magnesium	114,000	-	NS	NS	35,000
Manganese	3,270	-	NS	NS	300
Nickel	110	-	NS	NS	100
Sodium	29,200	-	NS	NS	20,000

GT-7	10/18/01	04/04/02	10/02/09	10/11/11	12/5/11	NYSDEC CRITERIA
Metals						
Beryllium	-	-	NS	NS	NS	3
Iron	5,170	313J	NS	NS	NS	300
Lead	-	-	NS	NS	NS	25
Manganese	2,920	-	NS	NS	NS	300
Sodium	114,000	58,800J	NS	NS	NS	20,000
SVOCs						
2-methylphenol	1.3 J	-	-	NS	NS	1
Naphthalene	75	-	-	NS	NS	10

VRI-2	10/18/01	04/02/02	10/06/09	NYSDEC CRITERIA
Metals				
Thallium	11	-	NS	0.5

VRI-4	10/16/01	04/02/02	9/30/09	NYSDEC CRITERIA
Metals				
Iron	5,990	10,600	NS	300
Manganese	384	814	NS	300

VRI-6	10/18/01	04/04/02	10/2/09	NYSDEC CRITERIA
Metals				
Iron	6,640	NS	NS	300
Sodium	77,600	NS	NS	20,000

VRI-1	10/18/01	04/02/02	10/05/09	12/22/09	10/12/11	12/7/11	NYSDEC CRITERIA
Metals							
Iron	336	-	NS	NS	NS	NS	300
Manganese	-	538/525	NS	NS	NS	NS	300
PESTICIDES							
Deildrin	0.0051 J	-	NS	NS	NS	NS	0.004

VRI-7	10/18/01	04/03/02	10/5/09	10/11/11	12/5/11	NYSDEC CRITERIA
Metals						
Iron	-	555	NS	NS	NS	300
Magnesium	-	45,600	NS	NS	NS	35,000
Sodium	192,000	291,000	NS	NS	NS	20,000

GT-13	10/16/01	04/02/02	10/06/09	10/12/11	12/7/11	NYSDEC CRITERIA
Metals						
Iron	-	-	NS	NS	NS	300
Manganese	839	-	NS	NS	NS	300
Mercury	-	-	NS	NS	NS	0.7
Sodium	277,000	29,800	NS	NS	NS	20,000
SVOCs						
2,4-Dimethylphenol	-	-	-	NS	NS	1
Naphthalene	-	-	-	NS	NS	10

GT-10	10/17/01	04/03/02	10/05/09	10/11/11	12/6/11	NYSDEC CRITERIA
Metals						
Iron	1,060	-	NS	NS	NS	300

GT-2R	10/16/01	04/03/02	10/02/09	NYSDEC CRITERIA
Metals				
Iron	12,500	-	NS	300
Manganese	481	-	NS	300
Sodium	308,000	587,000	NS	20,000

GT-1	10/17/01	04/03/02	09/30/09	NYSDEC CRITERIA
Metals				
Iron	-	-	NS	300
Manganese	-	-	NS	300
Sodium	100,000/105,000	201,000	NS	20,000
PCBs				
Aroclor 1242	2.5/3.7	-	NS	0.09
SVOCs				
Phenol	-	-	-	1

GT-12	10/17/01	04/02/02	10/06/09	NYSDEC CRITERIA
Metals				
Iron	327	-	NS	300
Lead	-	-	NS	25
Manganese	-	-	NS	300
Sodium	31,700	28,800	NS	20,000

GT-3	10/17/01	04/04/02	10/06/09	NYSDEC CRITERIA
Metals				
Antimony	-	NS	NS	3
Arsenic	-	NS	NS	25
Beryllium	-	NS	NS	3
Chromium	-	NS	NS	50
Iron	3,380	NS	NS	300
Lead	-	NS	NS	25
Magnesium	-	NS	NS	35,000
Manganese	-	NS	NS	300
Sodium	58,300	NS	NS	20,000

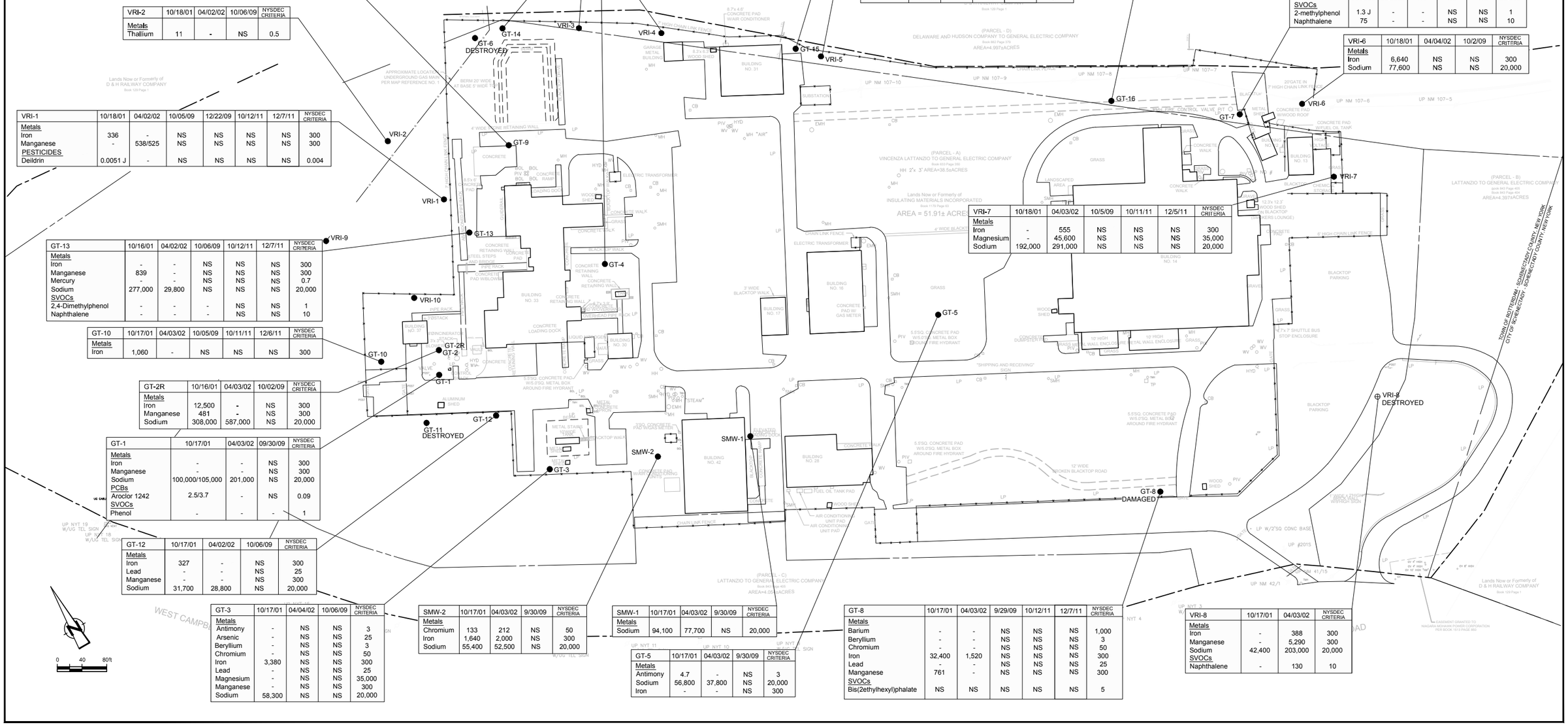
SMW-2	10/17/01	04/03/02	9/30/09	NYSDEC CRITERIA
Metals				
Chromium	133	212	NS	50
Iron	1,640	2,000	NS	300
Sodium	55,400	52,500	NS	20,000

SMW-1	10/17/01	04/03/02	9/30/09	NYSDEC CRITERIA
Metals				
Sodium	94,100	77,700	NS	20,000

GT-5	10/17/01	04/03/02	9/30/09	NYSDEC CRITERIA
Metals				
Antimony	4.7	-	NS	3
Sodium	56,800	37,800	NS	20,000
Iron	-	-	NS	300

GT-8	10/17/01	04/03/02	9/29/09	10/12/11	12/7/11	NYSDEC CRITERIA
Metals						
Barium	-	-	NS	NS	NS	1,000
Beryllium	-	-	NS	NS	NS	3
Chromium	-	-	NS	NS	NS	50
Iron	32,400	1,520	NS	NS	NS	300
Lead	-	-	NS	NS	NS	25
Manganese	761	-	NS	NS	NS	300
SVOCs						
Bis(2ethylhexyl)phalate	NS	NS	NS	NS	NS	5

VRI-8	10/17/01	04/03/02	NYSDEC CRITERIA
Metals			
Iron	-	388	300
Manganese	-	5,290	300
Sodium	42,400	203,000	20,000
SVOCs			
Naphthalene	-	130	10



LEGEND

- VRI-1 GROUNDWATER MONITORING WELL
- SMH MANHOLE
- CB CATCH BASIN
- PROPERTY BOUNDARY LINE
- CHAIN LINK FENCE

- J ESTIMATED VALUE
- ND NOT DETECTED AT ASSOCIATED CONCENTRATION
- NA NOT ANALYZED
- NS NOT SAMPLED

LOCATION ID	SAMPLE DATE	NYSDEC GROUNDWATER CLASS GA CRITERIA EXCEEDANCES (µg/L)
VRI-4	10/16/01	NYSDEC CRITERIA
Metals		
Iron	5,990	300
Manganese	-	300

PARAMETER — CONCENTRATION (µg/L) — NO EXCEEDANCE OF CRITERIA/NOT ANALYZED

SCALE VERIFICATION: THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

No.	Revision	Date	Initial

Approved

VRI-RIVERVIEW FACILITY
Schenectady, New York

GROUNDWATER DATA -
SVOCs, METALS, OTHER PARAMETERS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:			Date: FEBRUARY 2012
Project Manager: J.K.P.	Reviewed By: J.H.	Designed By:	Drawn By: G.R.B.
Scale: AS SHOWN	Project No: 18631-50	Report No: 011	Drawing No: PLAN 3b

18631-50(011)GN-WA010 NOV 6/2012

GT-9	10/16/01	04/02/02	10/02/09	12/22/09	12/9/11	NYSDEC CRITERIA
Metals						
Antimony	4.4	-	NS	NS	NS	3
Beryllium	-	-	NS	NS	NS	3
Lead	-	-	NS	NS	NS	25
Manganese	-	1,280	NS	NS	NS	300
Iron	-	877	NS	NS	NS	300
Sodium	-	39,400	NS	NS	NS	20,000
VOCs						
Benzene	-	-	-	-	-	1
Ethylbenzene	-	8.4	-	-	-	5
Xylene (Total)	8.2	96	-	-	-	5
1,3,5-Trimethylbenzene	NS	230	NS	-	-	5
1,2,4-Trimethylbenzene	NS	380J	NS	-	-	5
Isopropylbenzene	NS	69	NS	-	-	5
n-Propylbenzene	NS	62	NS	-	-	5
SVOCs						
Dieldrin	0.0056 J	-	-	NS	NS	0.004
Isophrone	-	-	-	NS	NS	50
4-Nitroaniline	-	-	-	NS	NS	5
Phenol	-	-	-	NS	NS	1
2,4-Dimethylphenol	-	3.1 J	-	NS	NS	1

GT-14	10/16/01	04/02/02	10/02/09	NYSDEC CRITERIA
Metals				
Iron	4,710	655	NS	300
Lead	-	-	NS	25
Magnesium	-	-	NS	35,000
Manganese	-	-	NS	300
SVOCs				
Phenol	-	-	-/-	1

VRI-3	10/16/01	04/02/02	9/30/09	10/12/11	12/5/11	NYSDEC CRITERIA
Metals						
Iron	1,470	4,220	NS	-	NS	300
VOCs						
1,2,4-Trimethylbenzene	-	-	15	-	-	5
1,3,5-Trimethylbenzene	-	-	11	-	-	5
Isopropylbenzene	-	-	84	6	6.5	5
n-Propylbenzene	-	-	13	-	-	5

VRI-1	10/18/01	04/02/02	10/05/09	12/22/09	10/12/11	12/7/11	NYSDEC CRITERIA
Metals							
Iron	336	-	NS	NS	NS	NS	300
Manganese	-	538/525	NS	NS	NS	NS	300
VOCs							
Ethlybenzene	-	-	-	18	-	8.4J	5
Methylene chloride	-	ND50/380J	-	-	-	9.1J	5
Xylene (total)	670	880J/510J	8,700	3,100	3,700	3,800	5
1,3,5-Trimethylbenzene	NS	510/370	5,400	1,500	3,200	2,500	5
1,2,4-Trimethylbenzene	NS	1,500/1,100	14,000	3,700	6,200	4,900	5
Isopropylbenzene	NS	85J/39J	820	250	110J	89	5
n-Propylbenzene	NS	110J/940J	870	230	-	53	5
PESTICIDES							
Deildrin	0.0051 J	-	NS	NS	NS	NS	0.004

VRI-9	10/12/11	12/7/11	NYSDEC CRITERIA
VOCs			
Chloroform (Trichloromethane)	8.3	-	7

GT-13	10/16/01	04/02/02	10/06/09	10/12/11	12/7/11	NYSDEC CRITERIA
Metals						
Iron	-	-	NS	NS	NS	300
Manganese	839	-	NS	NS	NS	300
Mercury	-	-	NS	NS	NS	0.7
Sodium	277,000	29,800	NS	NS	NS	20,000
VOCs						
Benzene	1.1	-	-	-	-	1
1,2,3-Trichloropropane	NS	-	-	-	-	5
1,2,4-Trimethylbenzene	NS	-	5.9	-	-	5
1,3,5-Trimethylbenzene	NS	-	20	-	-	5
Xylene (Total)	-	-	-	-	-	5
Isopropylbenzene	NS	-	-	-	-	5
n-Propylbenzene	NS	-	-	-	-	5
SVOCs						
2,4-Dimethylphenol	-	-	-	NS	NS	1
Naphthalene	-	-	-	NS	NS	10

VRI-10	10/13/11	11/15/11	12/6/11	NYSDEC CRITERIA
VOCs				
Chloroform (Trichloromethane)	20	-	-	7

GT-14
GT-6 (DESTROYED)
VRI-3
VRI-4
GT-15
VRI-5
SWMU #18
BERM 20' WIDE AT BASE 5' WIDE TOP
APPROXIMATE LOCATION UNDERGROUND GAS MAIN PER MAP REFERENCE NO. 1
VRI-2
GT-9R
GT-9
VRI-1
GT-13
VRI-9 (282.48)
GT-4
VRI-10 (281.34)
GT-2R
GT-2
GT-10
GT-1
SWMU #19
SWMU #25
GT-11 DESTROYED
GT-12
GT-3
SMW-1
SMW-2
GT-5
7' HIGH CHAIN LINK FENCE
4' WIDE STONE RETAINING WALL
BLACKTOP DRIVE
CONCRETE PAD W/AIR CONDITIONER
GARAGE METAL BUILDING
8.3'x 8.3' WOOD SHED
BUILDING NO. 31
SUBSTATION
UP NM 107-10
UP NM 107-9
Lands Now or Form D & H RAILWAY CO Book 129 Page 1
(PARCEL - D) DELAWARE AND HUDSON COMPANY TO GENE Book 882 Page 379 AREA=4.997±ACRES
(PARCEL - A) VINCENZA LATTANZIO TO GENERAL ELECTRIC COMPANY Book 633 Page 350
HH 2'x 3' AREA=38.5±ACRES
Lands Now or Formerly of INSULATING MATERIALS INCORPORATED Book 1179 Page 63
AREA = 51.91± ACRES
4' WIDE BLACKTOP WALK
CHAIN LINK FENCE
ELECTRIC TRANSFORMER
BUILDING NO. 16
CONCRETE PAD W/ GAS METER
BUILDING NO. 17
3' WIDE BLACKTOP WALK
5.5'SQ. CONCRETE PAD W/5.0'SQ. METAL BOX AROUND FIRE HYDRANT
"SHIPPING AND RECE SIGN
BUILDING NO. 33
BUILDING NO. 37
BUILDING NO. 30
BUILDING NO. 28
BUILDING NO. 42
8'ØINCINERATOR STACK
CONCRETE LOADING DOCK
LIQUID NITROGEN VAULT
OVERHEAD PIPE RACK
CONCRETE RETAINING WALL
STEEL STEPS AND BRIDGE
PIPE RACK
CONCRETE PAD W/BLOWER
ALUMINUM SHED
METAL STAIRS
METAL SHED
BLACKTOP WALK
CONCRETE WALK
ELEVATED CONCRETE LOADING DOCK
CONCRETE RAMP
FUEL OIL TANK PAD
3'SQ. CONCRETE PAD W/GAS METER
CONCRETE PAD W/AIR CONDITIONING UNITS
UG CABLE MARKER
0 40 80ft

LEGEND

- GT-12 EXISTING GROUND WATER MONITORING WELL
- VR1-1 2001 GROUNDWATER MONITORING WELL
- VRI-9 2011 GROUNDWATER MONITORING WELL
- SMH MANHOLE
- CB CATCH BASIN
- PROPERTY BOUNDARY LINE
- CHAIN LINK FENCE
- GROUNDWATER FLOW DIRECTION

J ESTIMATED VALUE
ND NOT DETECTED AT ASSOCIATED CONCENTRATION
NA NOT ANALYZED
NS NOT SAMPLED

LOCATION ID — SAMPLE DATE — NYSDEC GROUNDWATER CLASS GA CRITERIA EXCEEDANCES (µg/L)

VRI-1	10/18/01	NYSDEC CRITERIA
Metals		
Iron	336	300
Manganese	-	300

PARAMETER — CONCENTRATION (µg/L) — NO EXCEEDANCE OF CRITERIA/NOT ANALYZED

SCALE VERIFICATION: THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

No	Revision	Date	Initial

Approved

VRI-RIVERVIEW FACILITY
Schenectady, New York

GROUNDWATER DATA - VRI-1 AREA

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:			Date: OCTOBER 2012
Project Manager: J.K.P.	Reviewed By: J.H.	Designed By:	Drawn By: G.R.B.
Scale: AS SHOWN	Project No: 18631-50	Report No: 011	Drawing No: PLAN 4

18631-50(011)GN-WA009 NOV 6/2012