SUPPLEMENTARY GROUNDWATER SAMPLING REPORT

VON ROLL ISOLA USA, INC. RIVERVIEW FACILITY SCHENECTADY, NEW YORK

DECEMBER 2009
REF. NO. 018631 (9)
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1.0 INTRODUCTION

On, behalf of General Electric (GE), Conestoga-Rovers & Associates (CRA) submitted to the New York State Department of Environmental Conservation (NYSDEC) a Scope of Work (SOW) for Additional Groundwater Sampling for the Von Roll Isola USA, Inc. (VRI) Riverview Site (Site) in Schenectady, New York on August 13, 2009. The proposed SOW was developed to supplement the August 2002 Remedial Investigation (RI) Report for the Site. The SOW included the following tasks:

- Well inspections
- Well repair, survey, and redevelopment
- Groundwater sampling
- Hillside seep inspection and sampling
- Reporting

The SOW was approved by NYSDEC on August 27, 2009. This report describes the field activities and presents the analytical results for the supplemental groundwater sampling program.

All field work activities were performed in accordance previously approved Remedial Investigation/Feasibility Study Sampling and Analysis Plan (SAP) dated July 2001 for this Site unless otherwise noted.

2.0 WELL INSPECTIONS

Well inspections were conducted on September 16, 2009 to assess the condition of all existing monitoring wells. Each well was inspected for damage to the casing or riser. Each well was also probed to determine the depth and to look for any obstructions in the well, and to obtain water levels. The measured depth of the well was compared to the well installation log to determine if there is a blockage in the well or if the well had experienced significant siltation. The ground surface area at the well was inspected for potential breaches of the surface seal that could compromise the integrity of the well. The well inspection forms are presented in Appendix A including a photo of each well.

Although several of the wells had significant amounts of silt in the screens, all of the wells were determined to be viable for collection of samples except for well VRI-8 located near the plant entrance. Well VRI-8 appeared to be broken/blocked approximately 25 feet below the ground surface preventing water level measurements or sampling to be conducted at this well.

Significant earth moving was observed to have been done in the vicinity of well GT-8 since 2002. Although the protective surface casing had been removed and the well riser was broken above the ground surface, GT-8 was determined to be viable for sampling.

3.0 WELL REPAIR, SURVEY, AND REDEVELOPMENT

Based upon the well inspection results described in Section 2.0, wells GT-8 and VRI-8 were found to be in need of repair. The broken riser pipe for well GT-8 was cut off straight and a lockable cap was placed on the riser. This well was resurveyed by CT Male on October 29, 2009.

In an email to Mr. Martin Brand of NYSDEC on September 23, 2009, CRA explained that well VRI-8 was broken/bent below the ground surface and could not be sampled. Since well VRI-8 is located upgradient of the facility and monitors Site background conditions, CRA believed that it was not critical to replace well VRI-8 for the current sampling program. It was noted that well GT-8, that also monitors groundwater upgradient of the Site, would be sampled. In an e-mail dated September 23, 2009, NYSDEC stated that well VRI-8 is of particular interest as it contained trichloroethene and benzene, toluene, ethylene, and xylene (BTEX) in previous sampling efforts in 2001/2002. NYSDEC also indicated that they believed the groundwater flow direction was not definitive enough to clearly place VRI-8 in an upgradient location. Further discussions were held with NYSDEC regarding the location of VRI-8 and the groundwater contour maps from previous sampling events. It was agreed that VRI-8 did not need to be replaced for this sampling event.

During the time period from September 17 to 29, 2009 all existing wells were redeveloped using pumping and surging methods. Well redevelopment logs are presented in Appendix B.

4.0 GROUNDWATER LEVEL MEASUREMENTS

A complete round of water level measurements was collected from all existing wells on September 29, 2009. The water level measurements are presented in Table 4.1 and groundwater flow contours are presented on Figure 4.1. The groundwater contours presented on Figure 4.1 indicate a general northerly flow direction across the eastern half of the Site, changing to a northeasterly flow direction across the western boundary of the Site. The overall flow direction is toward the escarpment bordering the Site to the north. The groundwater contours for September 29, 2009 are very similar to the contours for December 4, 2001, January 28, 2002 and April 1, 2002, as presented on Figures 2.5 to 2.7 in the RI Report.

5.0 GROUNDWATER SAMPLING AND ANALYSIS

During the period from September 30, 2009 to October 6, 2009 groundwater samples were collected from all existing monitoring wells with the exception of well VRI-8. A sample key is presented in Table 5.1

In an email to Mr. Martin Brand of NYSDEC on September 23, 2009, CRA explained that the 2001 SAP specified that well purging and sampling would be conducted using bailers. However, at some point during the RI the sampling procedure was changed to low flow groundwater sampling. To be consistent with the RI, CRA proposed to perform the current groundwater sampling using low flow methods. NYSDEC approved this modification to the sampling protocol in an email dated September 23, 2009.

All groundwater samples were analyzed by Test America – Pittsburgh for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), and TPH. Consistent with the second round of monitoring performed for the RI, samples from wells GT-13, GT-14, VRI-1, VRI-2, and VRI-3 were also analyzed for 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene, and n-propylbenzene. Well GT-9 was also scheduled to be analyzed for the additional parameters; however, due to a field oversight this sample from GT-9 was analyzed for only TCL VOCs, TCL SVOCs, and TPH. The laboratory analytical results were validated by CRA's project chemist in accordance with the NYSDEC approved July 2001 SAP. The data validation report is presented in Appendix C and the analytical data are presented in Table 5.2 along with the historical groundwater sampling data. The data were compared to the NYSDEC Class GA Groundwater Standards and the exceedances of the Standards are presented on Figure 5.1 along with the exceedances for previous groundwater sampling rounds.

Exceedances for the Class GA Groundwater Standards for the current sampling round are summarized below.

Well ID	*Parameter*	*Concentration (µg/L)*	*Class GA Standard*
GT-13	1,2,4-Trimethylbenzene	5.9	5
	1,3,5-Trimethylbenzene	20	5
GT-16	Trichloroethene	14	5
VRI-1	1,2,4-Trimethylbenzene	14,000	5
	1,3,5-Trimethylbenzene	5,400	5
	Total Xylenes	8,700	5
	Isopropyl Benzene	820	5
	n-Propylbenzene	870	5

Overall, the October 2009 groundwater quality at the majority of the monitoring wells was improved since the 2001 and 2002 sampling events. The most notable exception is monitoring well VRI-1 where concentrations of several parameters were reported at higher levels in October 2009 than in 2001/2001. Notable 2009 groundwater monitoring results are discussed in the following paragraphs.

Monitoring well GT-7 is located in the northeastern part of the Site directly north and downgradient of SWMU #8. Several VOCs (BTEX) and SVOCs (phenol and naphthalene) were detected above the Class GA Groundwater Standards in the sample collected from this well on October 18, 2001. However, no VOCs or SVOCs were detected above the Class GA Groundwater Standards in the five sampling rounds collected prior to 2001 and the two sampling rounds collected after 2001 including the October 2009 sampling round. Based upon these data it appears that the October 18, 2001 data are anomalous and groundwater quality at this location is not impacted above Class GA Groundwater Standards.

At well GT-16, located on the eastern side of the Site on the northern property line, trichloroethene (TCE) has consistently been detected at concentrations slightly above the Class GA Groundwater Standard of 5 micrograms per liter (µg/L). TCE was detected at 14 µg/L in the October 2009 sample which is consistent with the April 2002 result of 13 µg/L.

Wells GT-9 and GT-13 are all located along the western side of the Site. Several VOCs and some SVOCs have historically been detected at concentrations above the Class GA Groundwater Standards in some of the samples from the wells. In the October 2009 sampling round, no VOCs or SVOCs were detected above the Class GA Groundwater Standards at well GT-9 and only 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene were detected at concentrations slightly above the Class GA Groundwater Standards at well GT-13. As noted previously, the October 2009 sample collected from well GT-9 was

inadvertently not analyzed for 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene, and n-propylbenzene. It is recommended that an additional groundwater sample be collected from GT-9 and analyzed for TCL VOCs plus 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene, and n-propylbenzene to verify current concentrations at this location.

Well VRI-1 is located in the general vicinity of wells GT-9 and GT-13, west of the facility fence. This well was installed in 2001 and the sample collected in October 2001 had reported concentrations of total xylenes and dieldrin above the Class GA Groundwater Standards. The sample collected in April 2002 had several VOCs (methylene chloride, xylenes, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene, and n-propylbenzene) at concentrations above the Class GA Groundwater Standards. The sample collected in October 2009 had the same VOCs(except methylene chloride), detected at concentrations above the Class GA Groundwater Standards. The concentrations of the above-noted VOCs were generally an order of magnitude higher in the October 2009 sample compared to the April 2002 results. It is recommended that an additional sample be collected from this well and analyzed for TCL VOCs plus 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene, and n-propylbenzene to verify current groundwater quality at this location.

6.0 HILLSIDE SEEP INSPECTION

An inspection of the hillside to the north of the facility was conducted on October 6, 2009 in an attempt to locate any seeps that could be sampled. No seeps were found and therefore no seep samples were collected.

7.0 SUMMARY

Based upon the evaluation of the groundwater data, the following conclusions are presented:

- The groundwater flow direction is generally to the north across the eastern half of the Site and changes to a north easterly flow direction across the western boundary of the Site. The overall flow direction is toward the escarpment bordering the Site to the north.
- No hillside seeps were identified.
- Areas with groundwater concentrations above the Class GA Groundwater Standards are the northern edge of the Site at GT-16 (TCE) and at the west side of the Site at VRI-1 (xylenes, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene, and n-propylbenzene).
- Chemical concentrations at VRI-1 have increased since 2002; however, concentrations have decreased downgradient of VRI-1 at GT-9.
- It is recommended that another round of groundwater samples be collected from wells VRI-1 and GT-9 and be analyzed for TCL VOCs plus 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene, and n-propylbenzene to verify current concentrations at these locations.

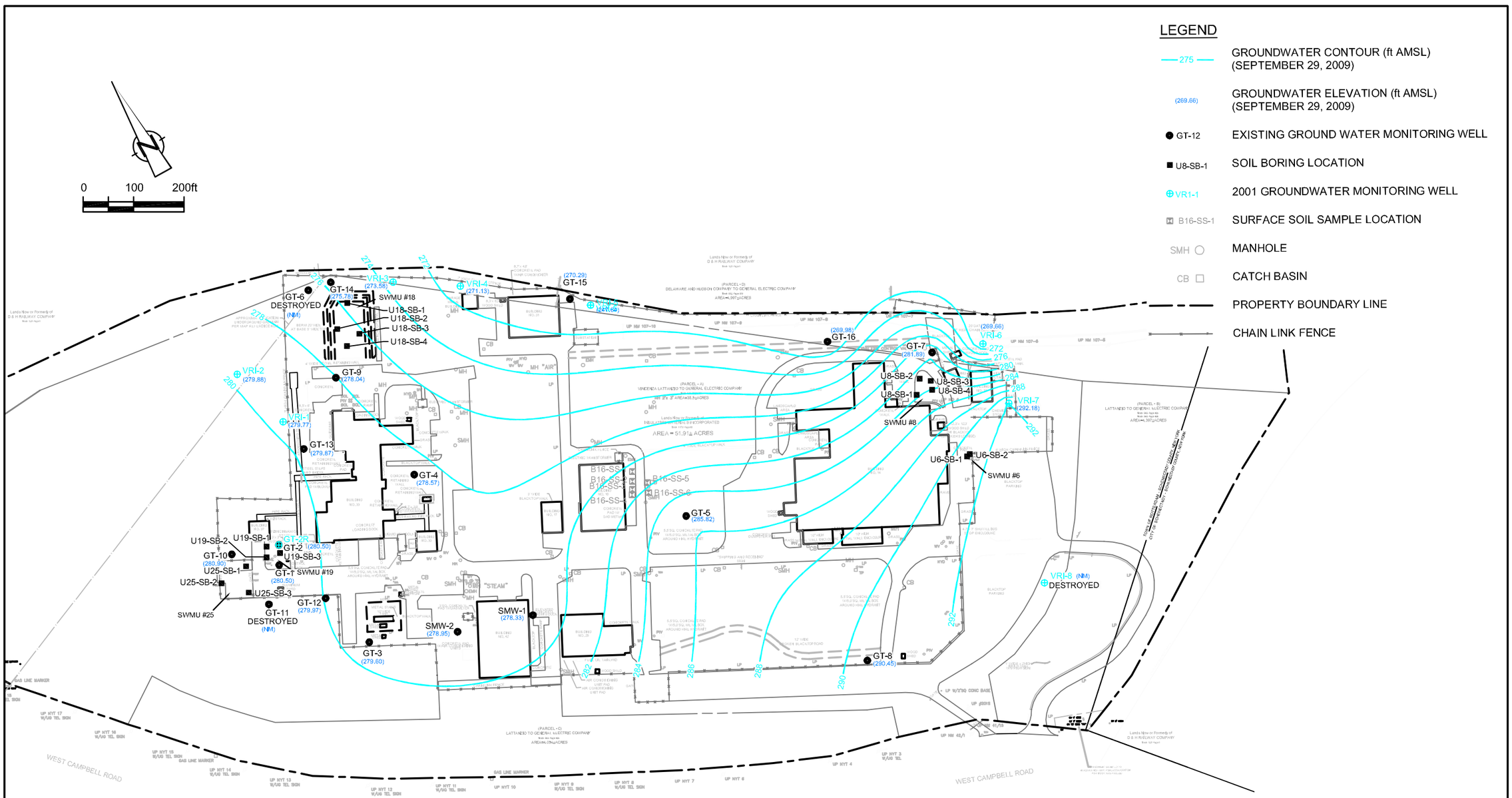
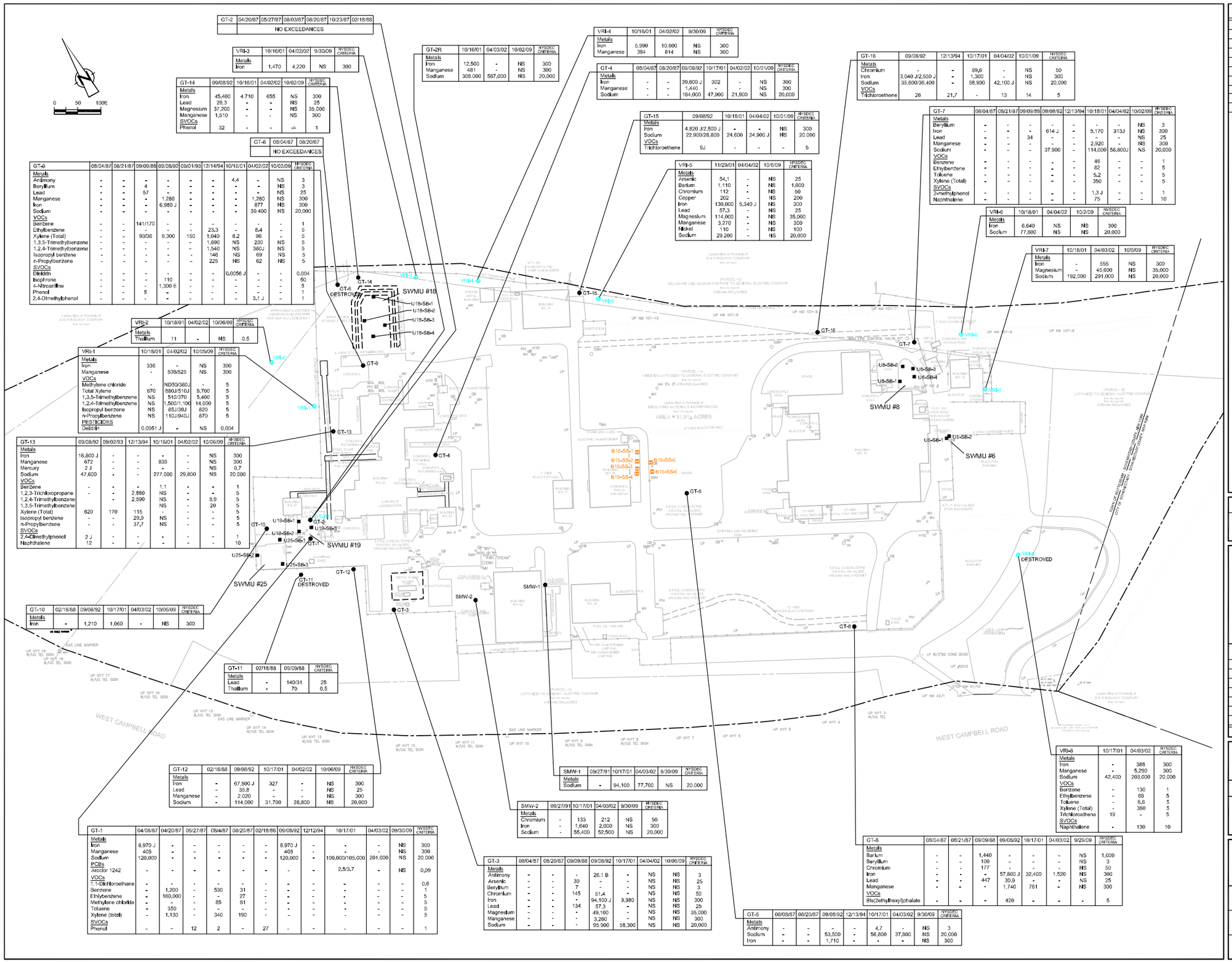


figure 4.1

SHALLOW GROUNDWATER CONTOURS
(SEPTEMBER 29, 2009)
VRI RIVERVIEW FACILITY
Schenectady, New York

18631-50(009)GN-WA001 DEC 04/2009



GT-2	04/20/87	05/27/87	08/03/87	08/20/87	10/23/87	02/18/88
	NO EXCEEDANCES					

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

GT-14	09/08/92	10/16/01	04/02/02	10/02/09	NYSDEC CRITERIA
Metals					
Iron	45,400	4,710	655	NS	300
Lead	26.3	-	-	NS	25
Magnesium	37,200	-	-	NS	35,000
Manganese	1,510	-	-	NS	300
SVOCs					
Phenol	32	-	-	-/-	1

GT-6	08/04/87	08/20/87
	NO EXCEEDANCES	

GT-9	08/04/87	08/21/87	09/09/88	09/08/92	09/01/93	12/14/94	10/16/01	04/02/02	10/02/09	NYSDEC CRITERIA
Metals										
Antimony	-	-	-	-	-	-	4.4	-	NS	3
Beryllium	-	-	4	-	-	-	-	-	NS	3
Lead	-	-	57	-	-	-	-	-	NS	25
Manganese	-	-	-	1,280	-	-	-	1,280	NS	300
Iron	-	-	-	6,980 J	-	-	-	877	NS	300
Sodium	-	-	-	-	-	-	-	39,400	NS	20,000
VOCs										
Benzene	-	-	141/170	-	-	-	-	-	-	1
Ethylbenzene	-	-	-	-	-	23.3	-	8.4	-	5
Xylene (Total)	-	-	93/36	6,300	150	1,040	8.2	96	-	5
1,3,5-Trimethylbenzene	-	-	-	-	-	1,690	NS	230	NS	5
1,2,4-Trimethylbenzene	-	-	-	-	-	1,540	NS	380J	NS	5
Isopropyl benzene	-	-	-	-	-	146	NS	69	NS	5
n-Propylbenzene	-	-	-	-	-	225	NS	62	NS	5
SVOCs										
Dieldrin	-	-	-	-	-	-	0.0056 J	-	-	0.004
Isophrone	-	-	-	110	-	-	-	-	-	50
4-Nitroaniline	-	-	-	1,300 E	-	-	-	-	-	5
Phenol	-	-	5	-	-	-	-	-	-	1
2,4-Dimethylphenol	-	-	-	-	-	-	-	3.1 J	-	1

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

VRI-1	10/18/01	04/02/02	10/05/09	NYSDEC CRITERIA
Metals				
Iron	336	-	NS	300
Manganese	-	538/525	NS	300
VOCs				
Methylene chloride	-	ND50/380J	-	5
Total Xylene	670	880J/510J	8,700	5
1,3,5-Trimethylbenzene	NS	510/370	5,400	5
1,2,4-Trimethylbenzene	NS	1,500/1,100	14,000	5
Isopropyl benzene	NS	85J/39J	820	5
n-Propylbenzene	NS	110J/94J	870	5
PESTICIDES				
Dieldrin	0.0051 J	-	NS	0.004

GT-13	09/08/92	09/02/93	12/13/94	10/16/01	04/02/02	10/06/09	NYSDEC CRITERIA
Metals							
Iron	16,800 J	-	-	-	-	NS	300
Manganese	672	-	-	839	-	NS	300
Mercury	2 J	-	-	-	-	NS	0.7
Sodium	47,600	-	-	277,000	29,800	NS	20,000
VOCs							
Benzene	-	-	-	1.1	-	-	1
1,2,3-Trichloropropane	-	-	2,880	NS	-	-	5
1,2,4-Trimethylbenzene		-	2,590	NS	-	5.9	5
1,3,5-Trimethylbenzene				NS	-	20	5
Xylene (Total)	620	170	115	-	-	-	5
Isocropyl benzene	-	-	29.9	NS	-	-	5
n-Procylbenzene	-	-	37.7	NS	-	-	5
SVOCs							
2,4-Dimethylphenol	2 J	-	-	-	-	-	1
Naphthalene	12	-	-	-	-	-	10

GT-10	02/18/88	09/08/92	10/17/01	04/03/02	10/05/09	NYSDEC CRITERIA
Metals						
Iron	-	1,210	1,060	-	NS	300

GT-11	02/18/88	09/09/88	NYSDEC CRITERIA
Metals			
Lead	-	140/31	25
Thallium	-	70	0.5

GT-12	02/18/88	09/08/92	10/17/01	04/02/02	10/06/09	NYSDEC CRITERIA
Metals						
Iron	-	67,500 J	327	-	NS	300
Lead	-	35.8	-	-	NS	25
Manganese	-	2,020	31,700	28,800	NS	300
Sodium	-	114,000			NS	20,000

GT-1	04/08/87	04/20/87	05/27/87	08/4/87	08/20/87	02/18/88	09/08/92	12/12/94	10/17/01	04/03/02	09/30/09	NYSDEC CRITERIA
Metals												
Iron	8,970 J	-	-	-	-	-	8,970 J	-	-	-	NS	300
Manganese	405	-	-	-	-	-	405	-	-	-	NS	300
Sodium	120,000	-	-	-	-	-	120,000	-	100,000/105,000	201,000	NS	20,000
PCBs												
Arcolor 1242	-	-	-	-	-	-	-	-	2.5/3.7	-	NS	0.09
VOCs												
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	0.6
Benzene	-	1,200	-	530	31	-	-	-	-	-	-	1
Ethylbenzene	-	160,000	-	-	27	-	-	-	-	-	-	5
Methylene chloride	-	-	-	85	81	-	-	-	-	-	-	5
Toluene	-	350	-	-	-	-	-	-	-	-	-	5
Xylene (total)	-	1,130	-	340	190	-	-	-	-	-	-	5
SVOCs												
Phenol	-	-	12	2	-	27	-	-	-	-	-	1

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

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

GT-4	08/04/87	08/20/87	09/08/92	10/17/01	04/02/02	10/01/09	NYSDEC CRITERIA
Metals							
Iron	-	-	39,600 J	302	-	NS	300
Manganese	-	-	1,440	-	-	NS	300
Sodium	-	-	164,000	47,900	21,900	NS	20,000

GT-15	09/08/92	10/18/01	04/04/02	10/01/09	NYSDEC CRITERIA
Metals					
Iron	4,820 J/2,500 J	-	-	NS	300
Sodium	22,900/28,800	24,600	24,900 J	NS	20,000
VOCs					
Trichloroethene	9J	-	-	-	5

VRI-5	11/29/01	04/04/02	10/6/09	NYSDEC CRITERIA
Metals				
Arsenic	54,1	-	NS	25
Barium	1,110	-	NS	1,000
Chromium	112	-	NS	50
Copper	202	-	NS	200
Iron	130,000	5,340 J	NS	300
Lead	57,3	-	NS	25
Magnesium	114,000	-	NS	35,000
Manganese	3,270	-	NS	300
Nickel	110	-	NS	100
Sodium	29,200	-	NS	20,000

GT-16	09/08/92	12/13/94	10/17/01	04/04/02	10/01/09	NYSDEC CRITERIA
Metals						
Chromium	-	-	99.6	-	NS	50
Iron	3,040 J/2,550 J	-	1,300	-	NS	300
Sodium	35,600/36,400	-	58,900	42,100 J	NS	20,000
VOCs						
Trichloroethene	26	21.7	-	13	14	5

GT-7	08/04/87	08/21/87	09/09/88	09/08/92	12/13/94	10/18/01	04/04/02	10/02/09	NYSDEC CRITERIA
Metals									
Beryllium	-	-	-	-	-	-	-	NS	3
Iron	-	-	-	614 J	-	5,170	313J	NS	300
Lead	-	-	34	-	-	-	-	NS	25
Manganese	-	-	-	-	-	2,920	-	NS	300
Sodium	-	-	-	37,900	-	114,000	58,800J	NS	20,000
VOCs									
Benzene	-	-	-	-	-	48	-	-	1
Ethylbenzene	-	-	-	-	-	82	-	-	5
Toluene	-	-	-	-	-	5.2	-	-	5
Xylene (Total)	-	-	-	-	-	350	-	-	5
SVOCs									
2-methylphenol	-	-	-	-	-	1.3 J	-	-	1
Naphthalene	-	-	-	-	-	75	-	-	10

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

SMW-1	09/27/91	10/17/01	04/03/02	9/30/09	NYSDEC CRITERIA
Metals					
Sodium	-	94,100	77,700	NS	20,000

SMW-2	09/27/91	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

GT-3	08/04/87	08/20/87	09/09/88	09/08/92	10/17/01	04/04/02	10/06/09	NYSDEC CRITERIA
Metals								
Antimony	-	-	-	26.1 B	-	NS	NS	3
Arsenic	-	-	30	-	-	NS	NS	25
Beryllium	-	-	7	-	-	NS	NS	3
Chromium	-	-	145	51,4	-	NS	NS	50
Iron	-	-	-	94,100 J	3,380	NS	NS	300
Lead	-	-	134	57,3	-	NS	NS	25
Magnesium	-	-	-	49,100	-	NS	NS	35,000
Manganese	-	-	-	3,260	-	NS	NS	300
Sodium	-	-	-	95,900	58,300	NS	NS	20,000

GT-5	08/08/87	08/20/87	09/08/92	12/13/94	10/17/01	04/03/02	9/30/09	NYSDEC CRITERIA
Metals								
Antimony	-	-	-	-	4,7	-	NS	3
Sodium	-	-	53,500	-	56,800	37,800	NS	20,000
Iron	-	-	1,710	-	-	-	NS	300

GT-8	08/04/87	08/21/87	09/09/88	09/08/92	10/17/01	04/03/02	9/29/09	NYSDEC CRITERIA
Metals								
Barium	-	-	1,440	-	-	-	NS	1,000
Beryllium	-	-	100	-	-	-	NS	3
Chromium	-	-	177	-	-	-	NS	50
Iron	-	-	-	57,800 J	32,400	1,520	NS	300
Lead	-	-	447	30.9	-	-	NS	25
Manganese	-	-	-	1,740	761	-	NS	300
VOCs								
Bis(2ethylhexyl)phalate	-	-	-	420	-	-	-	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
VOCs			
Benzene	-	130	1
Ethylbenzene	-	88	5
Toluene	-	6.6	5
Xylene (Total)	-	360	5
Trichloroethene	19	-	5
SVOCs			
Naphthalene	-	130	10

LEGEND

- GT-12 EXISTING GROUND WATER MONITORING WELL
- U8-SB-1 2001 SOIL BORING LOCATION
- VR1-1 2001 GROUNDWATER MONITORING WELL
- B16-SS-1 SURFACE SOIL SAMPLE LOCATION
- 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 (INSUFFICIENT VOLUME)

LOCATION ID | SAMPLE DATE | NYSDEC GROUNDWATER CLASS GA CRITERIA EXCEEDANCES (ug/L)

VRI-4	10/16/01	NYSDEC CRITERIA
Metals		
Iron	5,990	300
Manganese	-	300

PARAMETER | CONCENTRATION (ug/L)

NO EXCEEDANCE OF CRITERIA/NOT ANALYZED

No	Revision	Date	Initial

SCALE VERIFICATION

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

Approved

DRAWING STATUS

Status	Date	Initial

VRI-RIVERVIEW FACILITY
Schenectady, New York

GROUNDWATER QUALITY DATA

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
J.K.P.		NOVEMBER 2009	
Scale: 1"=100'	Project No: 18631-50	Report No: 009	Drawing No: figure 5.1

18631-50(009)GN-WA002 DEC 04/2009

TABLE 4.1

GROUNDWATER ELEVATION DATA
VON ROLLS ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Monitoring Well I.D.	Ground Surface (ft AMSL)	Reference Elevation (ft AMSL)	Well Depth (ft)	September 17, 2001		October 15, 2001		December 4, 2001		January 28, 2001		April 1, 2002		May 3, 2002		June 28, 2002		September 29, 2009	
				Water Level (ft b.t.o.r)	Groundwater Elevation (ft AMSL)	Water Level (ft b.t.o.r)	Groundwater Elevation (ft AMSL)	Water Level (ft b.t.o.r)	Groundwater Elevation (ft AMSL)	Water Level (ft b.t.o.r)	Groundwater Elevation (ft AMSL)	Water Level (ft b.t.o.r)	Groundwater Elevation (ft AMSL)	Water Level (ft b.t.o.r)	Groundwater Elevation (ft AMSL)	Water Level (ft b.t.o.r)	Groundwater Elevation (ft AMSL)	Water Level (ft b.t.o.r)	Groundwater Elevation (ft AMSL)
GT-1	340.79	342.61	66.25	63.15	279.46	63.32	279.29	63.75	278.86	64.03	278.58	64.55	278.06	64.77	277.84	64.75	277.86	62.11	280.50
GT-2R	340.98	342.72	67.78	63.43	279.29	63.43	279.29	63.83	278.89	64.15	278.57	64.62	278.10	64.88	277.84	64.90	277.82	62.22	280.50
GT-3	338.86	340.16	65.25	61.75	278.41	61.98	278.18	62.39	277.77	62.61	277.55	63.05	277.11	63.25	276.91	63.20	276.96	60.56	279.60
GT-4	335.03	338.38	69.71	60.75	277.63	61.00	277.38	61.41	276.97	61.49	276.89	61.97	276.41	62.22	276.16	62.26	276.12	59.81	278.57
GT-5	340.94	344.14	70.4	57.75	286.39	61.60	282.54	60.98	283.16	60.75	283.39	61.27	282.87	61.80	282.34	61.59	282.55	58.32	285.82
GT-6	DESTROYED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GT-7	340.90	342.76	70.41	63.11	279.65	63.00	279.76	62.03	280.73	61.81	280.98	61.94	280.82	62.31	280.45	62.42	280.34	60.87	281.89
GT-8	340.96	344.13	56.6	54.50	289.63	55.06	289.07	55.14	288.99	55.27	288.86	55.62	288.51	55.97	288.16	56.04	288.09	47.22	290.45
GT-9	339.93	339.82	67.48	62.55	277.27	62.82	277.00	63.18	276.64	63.35	276.47	63.75	276.07	63.88	275.94	63.86	275.96	61.78	278.04
GT-10	341.83	344.78	72.23	64.84	279.94	65.03	279.75	65.46	279.32	65.77	279.01	66.25	278.53	66.55	278.23	66.56	278.22	63.88	280.90
GT-11	DESTROYED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GT-12	339.17	341.51	66.15	62.71	278.8	62.88	278.63	64.67	276.84	63.61	277.90	63.98	277.53	64.28	277.23	64.21	277.30	61.54	279.97
GT-13	341.09	340.82	74.30	61.90	278.92	62.10	278.72	62.61	278.01	(1)	(1)	63.43	277.39	63.65	277.17	63.62	277.20	60.95	279.87
GT-14	340.34	340.03	69.40	65.06	274.97	65.28	274.75	65.60	274.43	65.66	274.37	65.85	274.18	65.81	274.22	65.70	274.33	64.25	275.78
GT-15	340.98	340.48	77.00	71.00	269.48	71.06	269.42	71.18	269.30	71.12	269.36	71.35	269.13	71.52	268.96	71.47	269.01	70.19	270.29
GT-16	339.05	338.89	76.80	69.62	269.27	69.77	269.12	69.92	268.97	69.71	269.18	69.40	269.49	69.80	269.09	69.75	269.14	68.91	269.98
SMW-1	341.12	340.48	71.75	63.35	277.13	63.57	276.91	63.98	276.50	63.99	276.49	64.36	276.12	64.69	275.79	64.70	275.78	62.15	278.33
SMW-2	340.94	343.43	72.10	65.66	277.77	65.91	277.52	66.31	277.12	66.41	277.02	66.84	276.59	67.10	276.33	67.20	276.23	64.48	278.95
VRI-1	340.85	343.08	70.45	-	-	64.61	278.47	64.85	278.23	65.10	277.98	65.52	277.56	65.70	277.38	65.71	277.37	63.31	279.77
VRI-2	344.99	347.38	76.73	-	-	68.65	278.73	68.96	278.42	69.14	278.24	69.52	277.86	69.68	277.70	69.62	277.76	67.50	279.88
VRI-3	341.17	343.41	79.48	-	-	70.80	272.61	71.05	272.36	71.03	272.38	71.25	272.16	71.30	272.11	71.18	272.23	69.83	273.58
VRI-4	341.02	342.93	80.28	-	-	72.77	270.16	72.94	270.16	72.94	269.99	73.21	269.72	73.28	269.65	73.20	269.73	71.80	271.13
VRI-5	340.60	343.01	117.00	-	-	-	-	96.54	246.47	96.21	246.80	95.95	247.06	95.94	247.07	95.85	247.16	95.37	247.64
VRI-6	340.29	342.65	75.78	-	-	73.77	268.88	73.69	268.96	73.79	268.86	73.72	268.93	73.75	268.90	73.70	268.95	72.99	269.66
VRI-7	339.82	342.29	57.58	-	-	51.65	290.64	51.99	290.30	51.97	290.32	52.28	290.01	52.67	289.62	52.70	289.59	50.11	292.18
VRI-8	339.69	341.96	58.78	-	-	52.12	289.84	52.30	289.66	52.56	289.40	53.00	288.96	53.32	288.64	53.31	288.65	-	-

Notes:

(1) - Not available due to heavy snow cover, well could not be located
ft AMSL - feet above mean sea level
ft - feet
ft b.t.o.r. - feet below top of riser

TABLE 5.1

SAMPLE KEY SEPTEMBER/OCTOBER 2009
VON ROLLS ISOLA USA, INC. FACILITY
SCHENECTADY, NEW YORK

Sample ID No.	*Well No.*	*Date (mm/dd/yyyy)*	*Time Est*	*Matrix --*	*Method --*	*Analysis --*
GW-18631-092909-RR-001	GT-8	9/29/2009	15:50	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-093009-RR-003	GT-5	9/30/2009	9:15	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-093009-RR-005	VRI-3	9/30/2009	13:00	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA, *1
GW-18631-093009-RR-007	VRI-4	9/30/2009	17:25	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-100109-RR-009	GT-15	10/1/2009	10:20	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-093009-BP-004	SMW-2	9/30/2009	12:50	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-093009-BP-002	SMW-1	9/30/2009	11:35	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-100109-RR-011	GT-16	10/1/2009	13:45	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-100109-RR-013	GT-4	10/1/2009	16:15	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-100209-RR-015	GT-14	10/2/2009	10:15	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA, *1
GW-18631-100209-RR-017	GT-14	10/2/2009	10:40	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA, *1
GW-18631-100209-RR-019	VRI-6	10/2/2009	12:45	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-093009-BP-006	GT-1	9/30/2009	16:20	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-100209-BP-008 MS/MSD	GT-2R	10/2/2009	11:00	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-100209-BP-010	GT-7	10/2/2009	14:40	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
RB-18631-100509-BP-016	R.B.	10/5/2009	11:40	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-100509-BP-014	VRI-1	10/5/2009	13:40	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA, *1
GW-18631-100509-RR-025	GT-9	10/5/2009	14:55	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-100509-RR-021	VRI-7	10/5/2009	12:10	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-100509-RR-023	R.B.	10/5/2009	13:00	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-100509-BP-012	GT-10	10/5/2009	11:15	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-100609-RR-027	GT-3	10/6/2009	9:35	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-100609-RR-029	GT-13	10/6/2009	12:45	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA, *1
GW-18631-100609-BP-020	GT-12	10/6/2009	13:10	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA
GW-18631-100609-BP-018	VRI-2	10/6/2009	10:30	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA, *1
GW-18631-100609-BP-022	VRI-5	10/6/2009	15:35	Groundwater	Bladder Pumps	DRO-Canton, TCL BNA, TCL VOA

Note:

*1 - Additional parameters listed in the SOW.

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-2R*	*GT-2R*
Sample ID:			*GW-18631-RW-007*	*GW-18631-RW-008*	*GW-18631-RW-11*	*GW-18631-093009-BP-006*	*GW-18631-RW-006*	*GW-18631-RW-12*
Sample Date:		*NYSDEC Class GA Groundwater Criteria*	*10/17/2001*	*10/17/2001 Duplicate*	*4/3/2002*	*9/30/2009*	*10/16/2001*	*4/3/2002*
Parameters	*Units*							
Volatiles								
1,1,1-Trichloroethane	ug/L	5	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	ug/L	5	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	ug/L	1	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	ug/L	5	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	ug/L	5	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,2,3-Trichloropropane	ug/L	0.04	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	5	-	-	-	1.0 U	-	-
1,2,4-Trimethylbenzene	ug/L	5	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.04	-	-	-	1.0 U	-	-
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	0.0006	-	-	-	1.0 U	-	-
1,2-Dichlorobenzene	ug/L	3	-	-	-	1.0 U	-	-
1,2-Dichloroethane	ug/L	0.6	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,2-Dichloropropane	ug/L	1	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,3,5-Trimethylbenzene	ug/L	5	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	3	-	-	-	1.0 U	-	-
1,4-Dichlorobenzene	ug/L	3	-	-	-	1.0 U	-	-
2-Butanone (Methyl Ethyl Ketone)	ug/L	50	5.0 U	5.0 U	5 U	5.0 U	5.0 U	5 U
2-Hexanone	ug/L	50	5.0 U	5.0 U	5 UJ	5.0 U	5.0 U	5 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	-	5.0 U	5.0 U	5 U	5.0 U	5.0 U	5 U
Acetone	ug/L	50	10 UJ	10 UJ	10 UJ	5.0 U	10 UJ	10 UJ
Benzene	ug/L	1	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Bromodichloromethane	ug/L	50	1.0 U	1.0 U	1 U	0.22 J	1.0 U	1 U
Bromoform	ug/L	50	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Bromomethane (Methyl Bromide)	ug/L	5	1.0 U	1.0 U	2 U	1.0 UJ	1.0 U	2 U
Carbon disulfide	ug/L	60	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	ug/L	5	1.0 UJ	1.0 U	1 U	1.0 U	1.0 UJ	1 U
Chlorobenzene	ug/L	5	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Chloroethane	ug/L	5	2.0 UJ	2.0 U	2 U	1.0 U	2.0 UJ	2 U
Chloroform (Trichloromethane)	ug/L	7	1.0 U	1.0 U	1 U	0.35 J	1.0 U	1 U
Chloromethane (Methyl Chloride)	ug/L	5	2.0 U	2.0 U	2 UJ	1.0 U	2.0 U	2 UJ
cis-1,2-Dichloroethene	ug/L	5	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropene	ug/L	-	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Cyclohexane	ug/L	-	-	-	-	1.0 U	-	-
Dibromochloromethane	ug/L	50	1.0 U	1.0 U	1 U	0.25 J	1.0 U	1 U
Dichlorodifluoromethane (CFC-12)	ug/L	5	-	-	-	1.0 U	-	-
Ethylbenzene	ug/L	5	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Isopropylbenzene	ug/L	5	-	-	-	1.0 U	-	-
Methyl acetate	ug/L	-	-	-	-	1.0 U	-	-
Methyl cyclohexane	ug/L	-	-	-	-	1.0 U	-	-
Methyl Tert Butyl Ether	ug/L	10	-	-	-	1.0 U	-	-
Methylene chloride	ug/L	5	2.0 U	2.0 U	2 U	0.36 J	2.0 U	2 U
n-Propylbenzene	ug/L	5	-	-	-	-	-	-
Styrene	ug/L	5	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Tetrachloroethene	ug/L	5	1.0 U	1.0 U	1 U	0.28 J	1.0 U	1 U
Toluene	ug/L	5	1.0 U	1.0 U	0.29 J	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	ug/L	5	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	ug/L	-	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Trichloroethene	ug/L	5	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Trichlorofluoromethane (CFC-11)	ug/L	5	-	-	-	1.0 U	-	-
Trifluorotrichloroethane (Freon 113)	ug/L	5	-	-	-	1.0 U	-	-
Vinyl chloride	ug/L	2	2.0 U	2.0 U	2 U	1.0 U	2.0 U	2 U
Xylene (total)	ug/L	5	3.0 U	3.0 U	3 U	3.0 U	3.0 U	3 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-2R*	*GT-2R*
Sample ID:			*GW-18631-RW-007*	*GW-18631-RW-008*	*GW-18631-RW-11*	*GW-18631-093009-BP-006*	*GW-18631-RW-006*	*GW-18631-RW-12*
Sample Date:		*NYSDEC Class GA*	*10/17/2001*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/16/2001*	*4/3/2002*
				Duplicate				
Parameters	*Units*	*Groundwater*						
Semi-volatiles								
1,2,4-Trichlorobenzene	ug/L	5	10 U	10 U	10 U	-	10 U	10 U
1,2-Dichlorobenzene	ug/L	3	10 U	10 U	10 U	-	10 U	10 U
1,3-Dichlorobenzene	ug/L	3	10 U	10 U	10 U	-	10 U	10 U
1,4-Dichlorobenzene	ug/L	3	10 U	10 U	10 U	-	10 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	5	10 U	10 U	10 U	-	10 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	5	-	-	-	2.0 U	-	-
2,4,5-Trichlorophenol	ug/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	1 (c)	10 U	10 U	10 U	2.0 U	10 U	10 U
2,4-Dimethylphenol	ug/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	1 (c)	50 U	50 U	50 UJ	50 U	50 U	50 UJ
2,4-Dinitrotoluene	ug/L	5	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	5	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	ug/L	10	10 U	10 U	10 U	2.0 U	10 U	10 U
2-Chlorophenol	ug/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	-	10 U	10 U	10 U	2.0 U	10 U	10 U
2-Methylphenol	ug/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	5	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	ug/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	5	50 U	50 U	50 R	10 U	50 U	50 R
3-Nitroaniline	ug/L	5	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	1 (c)	50 U	50 U	50 UJ	50 U	50 U	50 UJ
4-Bromophenyl phenyl ether	ug/L	-	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	5	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	ug/L	-	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	ug/L	1 (c)	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	5	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	ug/L	1 (c)	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	ug/L	20	10 U	10 U	10 U	2.0 U	10 U	10 U
Acenaphthylene	ug/L	-	10 U	10 U	10 U	2.0 U	10 U	10 U
Acetophenone	ug/L	-	-	-	-	10 U	-	-
Anthracene	ug/L	50	10 U	10 U	10 U	2.0 U	10 U	10 U
Atrazine	ug/L	7.5	-	-	-	10 U	-	-
Benzaldehyde	ug/L	-	-	-	-	10 U	-	-
Benzo(a)anthracene	ug/L	0.002	10 U	10 U	10 U	2.0 U	10 U	10 U
Benzo(a)pyrene	ug/L	-	10 U	10 U	10 U	2.0 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	0.002	10 U	10 U	10 U	2.0 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	-	10 U	10 U	10 U	2.0 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	0.002	10 U	10 U	10 U	2.0 U	10 U	10 U
Biphenyl (1,1-Biphenyl)	ug/L	5	-	-	-	10 U	-	-
bis(2-Chloroethoxy)methane	ug/L	5	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	ug/L	1	10 U	10 U	10 U	2.0 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	5	10 U	10 U	10 U	10 U	10 U	10 U
Butyl benzylphthalate	ug/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Caprolactam	ug/L	-	-	-	-	50 U	-	-
Carbazole	ug/L	-	10 U	10 U	10 U	2.0 U	10 U	10 U
Chrysene	ug/L	0.002	10 U	10 U	10 U	2.0 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	-	10 U	10 U	10 U	2.0 U	10 U	10 U
Dibenzofuran	ug/L	-	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	ug/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	ug/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	ug/L	50	10 U	10 U	10 U	10 U	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-2R*	*GT-2R*
Sample ID:			*GW-18631-RW-007*	*GW-18631-RW-008*	*GW-18631-RW-11*	*GW-18631-093009-BP-006*	*GW-18631-RW-006*	*GW-18631-RW-12*
Sample Date:		*NYSDEC Class GA Groundwater*	*10/17/2001*	*10/17/2001 Duplicate*	*4/3/2002*	*9/30/2009*	*10/16/2001*	*4/3/2002*
Parameters	***Units***							
Fluoranthene	ug/L	50	10 U	10 U	10 U	2.0 U	10 U	10 U
Fluorene	ug/L	50	10 U	10 U	10 U	2.0 U	10 U	10 U
Hexachlorobenzene	ug/L	0.04	10 U	10 U	10 U	2.0 U	10 U	10 U
Hexachlorobutadiene	ug/L	0.5	10 U	10 U	10 U	2.0 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	5	50 U	50 U	50 U	10 U	50 U	50 U
Hexachloroethane	ug/L	5	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	0.002	10 U	10 U	10 U	2.0 U	10 U	10 U
Isophorone	ug/L	50	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	ug/L	10	10 U	10 U	10 U	2.0 U	10 U	10 U
Nitrobenzene	ug/L	0.4	10 U	10 U	10 U	2.0 U	10 U	10 U
N-Nitrosodi-n-propylamine	ug/L	-	10 U	10 U	10 U	2.0 U	10 U	10 U
N-Nitrosodiphenylamine	ug/L	50	10 U	10 U	10 U	2.0 U	10 U	10 U
Pentachlorophenol	ug/L	1 (c)	50 U	50 U	50 U	10 U	50 U	50 U
Phenanthrene	ug/L	50	10 U	10 U	10 U	2.0 U	10 U	10 U
Phenol	ug/L	1 (c)	10 U	10 U	10 U	2.0 U	10 U	10 U
Pyrene	ug/L	50	10 U	10 U	10 U	2.0 U	10 U	10 U
Metals								
Aluminum	ug/L	-	81.1 U	66.9 U	200 U	-	7150	82.2
Antimony	ug/L	3	4.1 U	4.1 U	60 U	-	4.1 U	60 U
Arsenic	ug/L	25	2.0 U	2.0 U	10 U	-	3.4	10 U
Barium	ug/L	1000	28.2	28.8	54	-	114	132
Beryllium	ug/L	3	0.077 U	0.077 U	5 U	-	0.39 U	5 U
Cadmium	ug/L	5	0.63 U	0.63 U	5 U	-	0.63 U	5 U
Calcium	ug/L	-	72600 J	74400 J	104000	-	132000 J	186000
Chromium Total	ug/L	50	1.7	2.1	10 U	-	12.7	1.6
Cobalt	ug/L	-	2.6 U	2.6 U	50 U	-	6.6	50 U
Copper	ug/L	200	3.4 U	2.5 U	25 U	-	19.4	1.5
Cyanide (total)	ug/L	200	10.0 U	10.0 U	-	-	10.0 U	-
Iron	ug/L	300	111	113	100 U	-	**12500**	99.1
Lead	ug/L	25	1.8 U	2.9	3 U	-	6.8	3 U
Magnesium	ug/L	35000	7340	7480	8970	-	16800	19900
Manganese	ug/L	300	3.9	3.9	15 U	-	**481**	26.4
Mercury	ug/L	0.7	0.088 U	0.054 U	0.2 U	-	0.054 U	0.2 U
Nickel	ug/L	100	7.9 U	7.9 U	40 U	-	14.4	3.8
Potassium	ug/L	-	795 U	519 U	767	-	6930	2230
Selenium	ug/L	10	3.2 U	3.2 U	5 U	-	3.2 U	5 U
Silver	ug/L	50	0.75 U	0.75 U	10 U	-	0.75 U	10 U
Sodium	ug/L	20000	**100000**	**105000**	**201000**	-	**308000**	**587000**
Thallium	ug/L	0.5	5.7 U	5.7 U	10 U	-	5.7 U	10 U
Vanadium	ug/L	-	4.1 U	4.1 U	50 U	-	16.8	50 U
Zinc	ug/L	2000	3.2 U	4.1 U	20 U	-	41.1	5.6
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	0.09	1.0 U	1.0 U	-	-	1.0 U	-
Aroclor-1221 (PCB-1221)	ug/L	0.09	1.0 U	1.0 U	-	-	1.0 U	-
Aroclor-1232 (PCB-1232)	ug/L	0.09	1.0 U	1.0 U	-	-	1.0 U	-
Aroclor-1242 (PCB-1242)	ug/L	0.09	**2.5**	**3.7**	-	-	1.0 U	-
Aroclor-1248 (PCB-1248)	ug/L	0.09	1.0 U	1.0 U	-	-	1.0 U	-
Aroclor-1254 (PCB-1254)	ug/L	0.09	1.0 U	1.0 U	-	-	1.0 U	-
Aroclor-1260 (PCB-1260)	ug/L	0.09	1.0 U	1.0 U	-	-	1.0 U	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:			*GT-1*	*GT-1*	*GT-1*	*GT-1*	*GT-2R*	*GT-2R*
Sample ID:			*GW-18631-RW-007*	*GW-18631-RW-008*	*GW-18631-RW-11*	*GW-18631-093009-BP-006*	*GW-18631-RW-006*	*GW-18631-RW-12*
Sample Date:		*NYSDEC*	*10/17/2001*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/16/2001*	*4/3/2002*
		Class GA		*Duplicate*				
Parameters	***Units***	***Groundwater***						
Pesticides								
4,4'-DDD	ug/L	0.3	0.050 U	0.050 U	-	-	0.050 U	-
4,4'-DDE	ug/L	0.2	0.0055 J	0.0097 J	-	-	0.050 U	-
4,4'-DDT	ug/L	0.2	0.050 U	0.050 U	-	-	0.050 U	-
Aldrin	ug/L	-	0.050 U	0.050 U	-	-	0.050 U	-
alpha-BHC	ug/L	0.01	0.050 U	0.050 U	-	-	0.0089 J	-
beta-BHC	ug/L	0.04	0.050 U	0.050 U	-	-	0.050 U	-
Chlordane	ug/L	0.05	0.50 U	0.50 U	-	-	0.50 U	-
delta-BHC	ug/L	0.04	0.050 U	0.050 U	-	-	0.050 U	-
Dieldrin	ug/L	0.004	0.050 U	0.050 U	-	-	0.050 U	-
Endosulfan I	ug/L	-	0.050 U	0.050 U	-	-	0.050 U	-
Endosulfan II	ug/L	-	0.050 U	0.050 U	-	-	0.050 U	-
Endosulfan sulfate	ug/L	-	0.050 U	0.050 U	-	-	0.050 U	-
Endrin	ug/L	-	0.050 U	0.050 U	-	-	0.050 U	-
Endrin aldehyde	ug/L	5	0.050 U	0.050 U	-	-	0.050 U	-
Endrin ketone	ug/L	5	0.050 U	0.050 U	-	-	0.050 U	-
gamma-BHC (Lindane)	ug/L	0.05	0.050 U	0.050 U	-	-	0.050 U	-
Heptachlor	ug/L	0.04	0.050 U	0.050 U	-	-	0.050 U	-
Heptachlor epoxide	ug/L	0.03	0.050 U	0.050 U	-	-	0.050 U	-
Methoxychlor	ug/L	35	0.10 U	0.10 U	-	-	0.10 U	-
Toxaphene	ug/L	0.06	2.0 U	2.0 U	-	-	2.0 U	-
Petroleum Products								
Total Petroleum Hydrocarbons - extractable (DRO)	ug/L	-	-	-	-	100 UJ	-	-
Total Petroleum Hydrocarbons (C21-C28)	mg/L	-	0.47 U	0.47 U	0.48 U	-	0.50 U	0.48 U
General Chemsitry								
Phenolics (Total)	mg/L	0.001	0.010 U	0.010 U	-	-	0.010 U	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-2R*	*GT-3*	*GT-3*	*GT-3*	*GT-4*	*GT-4*	*GT-4*
Sample ID:		*GW-18631-100209-BP-008*	*GW-18631-RW-011*	*GW-18631-RW-21*	*GW-18631-100609-RR-027*	*GW-18631-RW-013*	*GW-18631-RW-04*	*GW-18631-100109-RR-013*
Sample Date:		*10/2/2009*	*10/17/2001*	*4/4/2002*	*10/6/2009*	*10/17/2001*	*4/2/2002*	*10/1/2009*
Parameters	*Units*							
Volatiles								
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1 UJ	1.0 U	1.0 U	1 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
1,2,3-Trichloropropane	ug/L	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
1,2,4-Trimethylbenzene	ug/L	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
1,3,5-Trimethylbenzene	ug/L	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
2-Butanone (Methyl Ethyl Ketone)	ug/L	5.0 U	5.0 UJ	5 U	5.0 U	5.0 U	5 UJ	5.0 U
2-Hexanone	ug/L	5.0 U	5.0 UJ	5 U	5.0 U	5.0 U	5 UJ	5.0 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	5.0 U	5.0 U	5 U	5.0 U	5.0 U	5 U	5.0 U
Acetone	ug/L	2.8 J	10 UJ	10 UJ	5.0 U	10 UJ	10 UJ	5.0 U
Benzene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
Bromodichloromethane	ug/L	0.24 J	1.0 U	1 U	1.0 U	1.0 U	1 U	0.97 J
Bromoform	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
Bromomethane (Methyl Bromide)	ug/L	1.0 UJ	1.0 U	2 U	1.0 U	1.0 U	2 U	1.0 UJ
Carbon disulfide	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
Chloroethane	ug/L	1.0 U	2.0 UJ	2 U	1.0 U	2.0 U	2 U	1.0 U
Chloroform (Trichloromethane)	ug/L	0.22 J	1.0 U	1 U	1.0 U	1.0 U	1 U	0.90 J
Chloromethane (Methyl Chloride)	ug/L	1.0 U	2.0 U	2 U	1.0 U	2.0 U	2 U	1.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
Cyclohexane	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
Isopropylbenzene	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Methyl acetate	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Methyl cyclohexane	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Methyl Tert Butyl Ether	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Methylene chloride	ug/L	0.25 J	2.0 U	2 U	1.0 U	2.0 U	2 U	1.0 U
n-Propylbenzene	ug/L	-	-	-	-	-	-	-
Styrene	ug/L	1.0 U	1.0 U	1 UJ	1.0 U	1.0 U	1 U	1.0 U
Tetrachloroethene	ug/L	0.33 J	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
Toluene	ug/L	1.0 U	1.0 U	1	1.0 U	1.0 U	0.24 J	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U
Trichlorofluoromethane (CFC-11)	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Vinyl chloride	ug/L	1.0 U	2.0 U	2 U	1.0 U	2.0 U	2 U	1.0 U
Xylene (total)	ug/L	3.0 U	3.0 U	3 U	3.0 U	3.0 U	3 U	3.0 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-2R*	*GT-3*	*GT-3*	*GT-3*	*GT-4*	*GT-4*	*GT-4*
Sample ID:		*GW-18631-100209-BP-008*	*GW-18631-RW-011*	*GW-18631-RW-21*	*GW-18631-100609-RR-027*	*GW-18631-RW-013*	*GW-18631-RW-04*	*GW-18631-100109-RR-013*
Sample Date:		*10/2/2009*	*10/17/2001*	*4/4/2002*	*10/6/2009*	*10/17/2001*	*4/2/2002*	*10/1/2009*
Parameters	***Units***							
Semi-volatiles								
1,2,4-Trichlorobenzene	ug/L	-	10 U	-	-	10 U	10 U	-
1,2-Dichlorobenzene	ug/L	-	10 U	-	-	10 U	10 U	-
1,3-Dichlorobenzene	ug/L	-	10 U	-	-	10 U	10 U	-
1,4-Dichlorobenzene	ug/L	-	10 U	-	-	10 U	10 U	-
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	-	10 U	-	-	10 U	10 U	-
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	2.0 U	-	-	2.0 U	-	-	2.0 U
2,4,5-Trichlorophenol	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
2,4-Dimethylphenol	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	49 U	50 U	-	51 U	50 U	50 UJ	50 U
2,4-Dinitrotoluene	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
2-Chloronaphthalene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
2-Chlorophenol	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
2-Methylphenol	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	49 U	50 U	-	51 U	50 U	50 U	50 U
2-Nitrophenol	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	9.8 U	50 U	-	10 U	50 U	50 U	10 U
3-Nitroaniline	ug/L	49 U	50 U	-	51 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	49 U	50 U	-	51 U	50 U	50 UJ	50 U
4-Bromophenyl phenyl ether	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
4-Methylphenol	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	49 U	50 U	-	51 U	50 U	50 U	50 U
4-Nitrophenol	ug/L	49 U	50 U	-	51 U	50 U	50 U	50 U
Acenaphthene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Acenaphthylene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Acetophenone	ug/L	9.8 U	-	-	10 U	-	-	10 U
Anthracene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Atrazine	ug/L	9.8 U	-	-	10 U	-	-	10 U
Benzaldehyde	ug/L	9.8 U	-	-	10 U	-	-	10 U
Benzo(a)anthracene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Benzo(a)pyrene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Benzo(b)fluoranthene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Benzo(g,h,i)perylene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Benzo(k)fluoranthene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Biphenyl (1,1-Biphenyl)	ug/L	9.8 U	-	-	10 U	-	-	10 U
bis(2-Chloroethoxy)methane	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
bis(2-Ethylhexyl)phthalate	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
Butyl benzylphthalate	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
Caprolactam	ug/L	49 U	-	-	51 U	-	-	50 U
Carbazole	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Chrysene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Dibenz(a,h)anthracene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Dibenzofuran	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
Diethyl phthalate	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
Dimethyl phthalate	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-2R*	*GT-3*	*GT-3*	*GT-3*	*GT-4*	*GT-4*	*GT-4*
Sample ID:		*GW-18631-100209-BP-008*	*GW-18631-RW-011*	*GW-18631-RW-21*	*GW-18631-100609-RR-027*	*GW-18631-RW-013*	*GW-18631-RW-04*	*GW-18631-100109-RR-013*
Sample Date:		*10/2/2009*	*10/17/2001*	*4/4/2002*	*10/6/2009*	*10/17/2001*	*4/2/2002*	*10/1/2009*
Parameters	***Units***							
Fluoranthene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Fluorene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Hexachlorobenzene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Hexachlorobutadiene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Hexachlorocyclopentadiene	ug/L	9.8 U	50 U	-	10 U	50 U	50 U	10 U
Hexachloroethane	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Isophorone	ug/L	9.8 U	10 U	-	10 U	10 U	10 U	10 U
Naphthalene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Nitrobenzene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
N-Nitrosodi-n-propylamine	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
N-Nitrosodiphenylamine	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Pentachlorophenol	ug/L	9.8 U	50 U	-	10 U	50 U	50 U	10 U
Phenanthrene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Phenol	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Pyrene	ug/L	2.0 U	10 U	-	2.0 U	10 U	10 U	2.0 U
Metals								
Aluminum	ug/L	-	2350	-	-	201 U	126	-
Antimony	ug/L	-	4.1 U	-	-	4.1 U	60 U	-
Arsenic	ug/L	-	2.0 U	-	-	2.0 U	10 U	-
Barium	ug/L	-	44.8	-	-	33.2	26.4	-
Beryllium	ug/L	-	0.080 U	-	-	0.077 U	5 U	-
Cadmium	ug/L	-	0.94	-	-	0.63 U	5 U	-
Calcium	ug/L	-	113000 J	-	-	81400 J	78000	-
Chromium Total	ug/L	-	5.5	-	-	1.8	10 U	-
Cobalt	ug/L	-	2.6 U	-	-	2.6 U	50 U	-
Copper	ug/L	-	10.2	-	-	2.3 U	25 U	-
Cyanide (total)	ug/L	-	10.0 U	-	-	10.0 U	-	-
Iron	ug/L	-	**3380**	-	-	**302**	182	-
Lead	ug/L	-	1.8 U	-	-	1.8 U	3 U	-
Magnesium	ug/L	-	11700	-	-	11100	10800	-
Manganese	ug/L	-	89.2	-	-	9.0	4.6	-
Mercury	ug/L	-	0.068 U	-	-	0.087 U	0.2 U	-
Nickel	ug/L	-	9.7	-	-	7.9 U	40 U	-
Potassium	ug/L	-	1760 U	-	-	1110 U	709	-
Selenium	ug/L	-	3.2 U	-	-	3.2 U	5 U	-
Silver	ug/L	-	0.75 U	-	-	0.75 U	10 U	-
Sodium	ug/L	-	**58300**	-	-	**47900**	**21900**	-
Thallium	ug/L	-	5.7 U	-	-	5.7 U	10 U	-
Vanadium	ug/L	-	7.1	-	-	4.1 U	50 U	-
Zinc	ug/L	-	49.3	-	-	5.5 U	20 U	-
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Aroclor-1221 (PCB-1221)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Aroclor-1232 (PCB-1232)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Aroclor-1242 (PCB-1242)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Aroclor-1248 (PCB-1248)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Aroclor-1254 (PCB-1254)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Aroclor-1260 (PCB-1260)	ug/L	-	1.0 U	-	-	1.0 U	-	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-2R*	*GT-3*	*GT-3*	*GT-3*	*GT-4*	*GT-4*	*GT-4*
Sample ID:		*GW-18631-100209-BP-008*	*GW-18631-RW-011*	*GW-18631-RW-21*	*GW-18631-100609-RR-027*	*GW-18631-RW-013*	*GW-18631-RW-04*	*GW-18631-100109-RR-013*
Sample Date:		*10/2/2009*	*10/17/2001*	*4/4/2002*	*10/6/2009*	*10/17/2001*	*4/2/2002*	*10/1/2009*
Parameters	***Units***							
Pesticides								
4,4'-DDD	ug/L	-	0.050 U	-	-	0.050 U	-	-
4,4'-DDE	ug/L	-	0.050 U	-	-	0.050 U	-	-
4,4'-DDT	ug/L	-	0.050 U	-	-	0.050 U	-	-
Aldrin	ug/L	-	0.050 U	-	-	0.050 U	-	-
alpha-BHC	ug/L	-	0.050 U	-	-	0.050 U	-	-
beta-BHC	ug/L	-	0.050 U	-	-	0.050 U	-	-
Chlordane	ug/L	-	0.50 U	-	-	0.50 U	-	-
delta-BHC	ug/L	-	0.050 U	-	-	0.050 U	-	-
Dieldrin	ug/L	-	0.050 U	-	-	0.050 U	-	-
Endosulfan I	ug/L	-	0.050 U	-	-	0.050 U	-	-
Endosulfan II	ug/L	-	0.050 U	-	-	0.050 U	-	-
Endosulfan sulfate	ug/L	-	0.050 U	-	-	0.050 U	-	-
Endrin	ug/L	-	0.050 U	-	-	0.050 U	-	-
Endrin aldehyde	ug/L	-	0.050 U	-	-	0.050 U	-	-
Endrin ketone	ug/L	-	0.050 U	-	-	0.050 U	-	-
gamma-BHC (Lindane)	ug/L	-	0.050 U	-	-	0.050 U	-	-
Heptachlor	ug/L	-	0.050 U	-	-	0.050 U	-	-
Heptachlor epoxide	ug/L	-	0.050 U	-	-	0.050 U	-	-
Methoxychlor	ug/L	-	0.10 U	-	-	0.10 U	-	-
Toxaphene	ug/L	-	2.0 U	-	-	2.0 U	-	-
Petroleum Products								
Total Petroleum Hydrocarbons - extractable (DRO)	ug/L	100 UJ	-	-	100 UJ	-	-	100 U
Total Petroleum Hydrocarbons (C21-C28)	mg/L	-	0.50 U	0.47 U	-	0.47 U	0.47 U	-
General Chemsitry								
Phenolics (Total)	mg/L	-	0.010 U	-	-	0.010 U	-	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-5*	*GT-5*	*GT-5*	*GT-7*	*GT-7*	*GT-7*	*GT-8*
Sample ID:		*GW-18631-RW-017*	*GW-18631-RW-13*	*GW-18631-093009-RR-003*	*GW-18631-RW-021*	*GW-18631-RW-22*	*GW-18631-100209-BP-010*	*GW-18631-RW-016*
Sample Date:		*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*	*4/4/2002*	*10/2/2009*	*10/17/2001*
Parameters	***Units***							
Volatiles								
1,1,1-Trichloroethane	ug/L	1.0 U	1 U	1.0 U	1.4	1 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 UJ	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
1,2,3-Trichloropropane	ug/L	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	-	-	1.0 U	-	-	1.0 U	-
1,2,4-Trimethylbenzene	ug/L	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	-	-	1.0 U	-	-	1.0 U	-
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	-	-	1.0 U	-	-	1.0 U	-
1,2-Dichlorobenzene	ug/L	-	-	1.0 U	-	-	1.0 U	-
1,2-Dichloroethane	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	ug/L	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	1.0 U	-	-	1.0 U	-
1,4-Dichlorobenzene	ug/L	-	-	1.0 U	-	-	1.0 U	-
2-Butanone (Methyl Ethyl Ketone)	ug/L	5.0 UJ	5 U	5.0 U	5.0 UJ	5 U	5.0 U	5.0 UJ
2-Hexanone	ug/L	5.0 UJ	5 UJ	5.0 U	5.0 UJ	5 U	5.0 U	5.0 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	5.0 U	5 U	5.0 U	5.0 U	5 U	5.0 U	5.0 U
Acetone	ug/L	10 UJ	10 UJ	5.0 U	10 UJ	10 UJ	3.2 J	10 UJ
Benzene	ug/L	1.0 U	1 U	0.13 J	**46**	1 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Bromomethane (Methyl Bromide)	ug/L	1.0 U	2 U	1.0 UJ	1.0 U	2 U	1.0 UJ	1.0 U
Carbon disulfide	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Carbon tetrachloride	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Chloroethane	ug/L	2.0 UJ	2 U	1.0 U	2.0 UJ	2 U	1.0 U	2.0 UJ
Chloroform (Trichloromethane)	ug/L	4.4	3.7	1.3	1.0 U	1 U	1.0 U	1.0 U
Chloromethane (Methyl Chloride)	ug/L	2.0 U	2 UJ	1.0 U	2.0 U	2 U	1.0 U	2.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Cyclohexane	ug/L	-	-	1.0 U	-	-	1.0 U	-
Dibromochloromethane	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Ethylbenzene	ug/L	1.0 U	1 U	1.0 U	**82**	1 U	1.0 U	1.0 U
Isopropylbenzene	ug/L	-	-	1.0 U	-	-	1.0 U	-
Methyl acetate	ug/L	-	-	1.0 U	-	-	1.0 U	-
Methyl cyclohexane	ug/L	-	-	1.0 U	-	-	1.0 U	-
Methyl Tert Butyl Ether	ug/L	-	-	1.0 U	-	-	1.0 U	-
Methylene chloride	ug/L	2.0 U	2 U	1.0 U	2.0 U	2 U	0.59 J	2.0 U
n-Propylbenzene	ug/L	-	-	-	-	-	-	-
Styrene	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 UJ	1.0 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Toluene	ug/L	1.0 U	0.31 J	0.90 J	**5.2**	0.31 J	0.45 J	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.3	1.3	0.61 J	2.2	1 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Trifluorotrichloroethane (Freon 113)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Vinyl chloride	ug/L	2.0 U	2 U	1.0 U	2.0 U	2 U	1.0 U	2.0 U
Xylene (total)	ug/L	3.0 U	3 U	3.0 U	**350**	3 U	3.0 U	3.0 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-5*	*GT-5*	*GT-5*	*GT-7*	*GT-7*	*GT-7*	*GT-8*
Sample ID:		*GW-18631-RW-017*	*GW-18631-RW-13*	*GW-18631-093009-RR-003*	*GW-18631-RW-021*	*GW-18631-RW-22*	*GW-18631-100209-BP-010*	*GW-18631-RW-016*
Sample Date:		*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*	*4/4/2002*	*10/2/2009*	*10/17/2001*
Parameters	***Units***							
Semi-volatiles								
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	-	10 U	10 U	-	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	-	10 U	10 U	-	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	-	10 U	10 U	-	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	-	10 U	10 U	-	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	10 U	10 U	-	10 U	10 U	-	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	-	-	2.0 U	-	-	2.0 U	-
2,4,5-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	50 U	50 UJ	51 U	50 U	50 UJ	51 U	50 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	2.0 U	37	10 U	2.0 U	10 U
2-Methylphenol	ug/L	10 U	10 U	10 U	**1.3 J**	10 U	10 U	10 U
2-Nitroaniline	ug/L	50 U	50 U	51 U	50 U	50 U	51 U	50 U
2-Nitrophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	50 U	50 R	10 U	50 U	50 R	10 U	50 U
3-Nitroaniline	ug/L	50 U	50 U	51 U	50 U	50 U	51 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	50 U	50 UJ	51 U	50 U	50 UJ	51 U	50 U
4-Bromophenyl phenyl ether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	50 U	50 U	51 U	50 U	50 U	51 U	50 U
4-Nitrophenol	ug/L	50 U	50 U	51 U	50 UJ	50 U	51 U	50 U
Acenaphthene	ug/L	10 U	10 U	2.0 U	0.73 J	10 U	2.0 U	10 U
Acenaphthylene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Acetophenone	ug/L	-	-	10 U	-	-	10 U	-
Anthracene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Atrazine	ug/L	-	-	10 U	-	-	10 U	-
Benzaldehyde	ug/L	-	-	10 U	-	-	10 U	-
Benzo(a)anthracene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Benzo(g,h,i)perylene	ug/L	10 UJ	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Biphenyl (1,1-Biphenyl)	ug/L	-	-	10 U	-	-	10 U	-
bis(2-Chloroethoxy)methane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butyl benzylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Caprolactam	ug/L	-	-	51 U	-	-	51 U	-
Carbazole	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Chrysene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Dibenz(a,h)anthracene	ug/L	10 UJ	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Dibenzofuran	ug/L	10 U	10 U	10 U	0.97 J	10 U	10 U	10 U
Diethyl phthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-5*	*GT-5*	*GT-5*	*GT-7*	*GT-7*	*GT-7*	*GT-8*
Sample ID:		*GW-18631-RW-017*	*GW-18631-RW-13*	*GW-18631-093009-RR-003*	*GW-18631-RW-021*	*GW-18631-RW-22*	*GW-18631-100209-BP-010*	*GW-18631-RW-016*
Sample Date:		*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*	*4/4/2002*	*10/2/2009*	*10/17/2001*
Parameters	***Units***							
Fluoranthene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Fluorene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Hexachlorocyclopentadiene	ug/L	50 U	50 U	10 U	50 U	50 U	10 U	50 U
Hexachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 UJ	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Isophorone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U	2.0 U	**75**	10 U	2.0 U	10 U
Nitrobenzene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
N-Nitrosodi-n-propylamine	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Pentachlorophenol	ug/L	50 U	50 U	10 U	50 U	50 U	10 U	50 U
Phenanthrene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Phenol	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Pyrene	ug/L	10 U	10 U	2.0 U	10 U	10 U	2.0 U	10 U
Metals								
Aluminum	ug/L	115 U	200 U	-	3400	220 U	-	18300
Antimony	ug/L	**4.7**	60 U	-	4.1 U	60 U	-	4.1 U
Arsenic	ug/L	2.0 U	10 U	-	2.2	10 U	-	10.1
Barium	ug/L	31.5	28	-	119	31	-	154
Beryllium	ug/L	0.077 U	5 U	-	0.18 U	5 U	-	1.1 U
Cadmium	ug/L	0.63 U	5 U	-	0.63 U	5 U	-	0.63 U
Calcium	ug/L	93700 J	84300	-	174000	92100	-	106000 J
Chromium Total	ug/L	2.0	10 U	-	6.4	10 U	-	20.8
Cobalt	ug/L	2.6 U	50 U	-	4.6	50 U	-	15.3
Copper	ug/L	1.3 U	25 U	-	8.8 U	25 U	-	32.7
Cyanide (total)	ug/L	10.0 U	-	-	10.0 U	-	-	10.0 U
Iron	ug/L	149	110	-	**5170**	**313 J**	-	**32400**
Lead	ug/L	1.8 U	3 U	-	2.3	3 U	-	16.2
Magnesium	ug/L	12900	12300	-	21300	9520	-	15000
Manganese	ug/L	4.5	15 U	-	**2920**	6.4	-	**761**
Mercury	ug/L	0.054 U	0.2 U	-	0.13	0.2 U	-	0.062 U
Nickel	ug/L	7.9 U	5.5	-	7.9 U	6.5	-	23.0
Potassium	ug/L	1370 U	1070	-	3000 U	803	-	5920
Selenium	ug/L	3.2 U	5 U	-	3.2 U	5 U	-	5.8
Silver	ug/L	0.75 U	10 U	-	0.75 U	10 U	-	0.75 U
Sodium	ug/L	**56800**	**37800**	-	**114000**	**58800 J**	-	4040
Thallium	ug/L	8.9 U	10 U	-	5.7 U	10 U	-	5.7 U
Vanadium	ug/L	4.1 U	50 U	-	10.1 U	50 U	-	38.3
Zinc	ug/L	20.5 U	6.2	-	15.8	20 U	-	85.9
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Aroclor-1221 (PCB-1221)	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Aroclor-1232 (PCB-1232)	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Aroclor-1242 (PCB-1242)	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Aroclor-1248 (PCB-1248)	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Aroclor-1254 (PCB-1254)	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U
Aroclor-1260 (PCB-1260)	ug/L	1.0 U	-	-	1.0 U	-	-	1.0 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-5*	*GT-5*	*GT-5*	*GT-7*	*GT-7*	*GT-7*	*GT-8*
Sample ID:		*GW-18631-RW-017*	*GW-18631-RW-13*	*GW-18631-093009-RR-003*	*GW-18631-RW-021*	*GW-18631-RW-22*	*GW-18631-100209-BP-010*	*GW-18631-RW-016*
Sample Date:		*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*	*4/4/2002*	*10/2/2009*	*10/17/2001*
Parameters	***Units***							
Pesticides								
4,4'-DDD	ug/L	0.050 U	-	-	0.010 J	-	-	0.050 U
4,4'-DDE	ug/L	0.050 U	-	-	0.050 U	-	-	0.050 U
4,4'-DDT	ug/L	0.050 U	-	-	0.050 U	-	-	0.050 U
Aldrin	ug/L	0.050 U	-	-	0.050 U	-	-	0.050 U
alpha-BHC	ug/L	0.050 U	-	-	0.050 U	-	-	0.050 U
beta-BHC	ug/L	0.050 U	-	-	0.050 U	-	-	0.050 U
Chlordane	ug/L	0.50 U	-	-	0.50 U	-	-	0.50 U
delta-BHC	ug/L	0.050 U	-	-	0.050 U	-	-	0.050 U
Dieldrin	ug/L	0.050 U	-	-	0.050 U	-	-	0.050 U
Endosulfan I	ug/L	0.050 U	-	-	0.050 U	-	-	0.050 U
Endosulfan II	ug/L	0.050 U	-	-	0.017 J	-	-	0.050 U
Endosulfan sulfate	ug/L	0.050 U	-	-	0.050 U	-	-	0.050 U
Endrin	ug/L	0.050 U	-	-	0.050 U	-	-	0.050 U
Endrin aldehyde	ug/L	0.050 U	-	-	0.050 U	-	-	0.050 U
Endrin ketone	ug/L	0.050 U	-	-	0.050 U	-	-	0.050 U
gamma-BHC (Lindane)	ug/L	0.050 U	-	-	0.018 J	-	-	0.050 U
Heptachlor	ug/L	0.050 U	-	-	0.050 U	-	-	0.050 U
Heptachlor epoxide	ug/L	0.050 U	-	-	0.0034 J	-	-	0.050 U
Methoxychlor	ug/L	0.10 U	-	-	0.10 U	-	-	0.10 U
Toxaphene	ug/L	2.0 U	-	-	2.0 U	-	-	2.0 U
Petroleum Products								
Total Petroleum Hydrocarbons - extractable (DRO)	ug/L	-	-	100 UJ	-	-	100 UJ	-
Total Petroleum Hydrocarbons (C21-C28)	mg/L	0.47 U	0.2 J	-	8.7 J	0.49 U	-	0.48 U
General Chemsitry								
Phenolics (Total)	mg/L	0.010 U	-	-	0.010 U	-	-	0.010 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-8*	*GT-8*	*GT-9*	*GT-9*	*GT-9*	*GT-10*	*GT-10*
Sample ID:		*GW-18631-RW-18*	*GW-18631-092909-RR-001*	*GW-18631-RW-003*	*GW-18631-RW-05*	*GW-18631-100509-RR-025*	*GW-18631-RW-010*	*GW-18631-RW-15*
Sample Date:		*4/3/2002*	*9/29/2009*	*10/16/2001*	*4/2/2002*	*10/5/2009*	*10/17/2001*	*4/3/2002*
Parameters	***Units***							
Volatiles								
1,1,1-Trichloroethane	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,2,3-Trichloropropane	ug/L	-	-	-	1 U	-	-	-
1,2,4-Trichlorobenzene	ug/L	-	1.0 U	-	-	1.0 U	-	-
1,2,4-Trimethylbenzene	ug/L	-	-	-	**380 J**	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	-	1.0 U	-	-	1.0 UJ	-	-
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	-	1.0 U	-	-	1.0 U	-	-
1,2-Dichlorobenzene	ug/L	-	1.0 U	-	-	1.0 U	-	-
1,2-Dichloroethane	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,2-Dichloropropane	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,3,5-Trimethylbenzene	ug/L	-	-	-	**230**	-	-	-
1,3-Dichlorobenzene	ug/L	-	1.0 U	-	-	1.0 U	-	-
1,4-Dichlorobenzene	ug/L	-	1.0 U	-	-	1.0 U	-	-
2-Butanone (Methyl Ethyl Ketone)	ug/L	5 U	5.0 U	5.0 U	5 UJ	5.0 U	5.0 U	5 U
2-Hexanone	ug/L	5 UJ	5.0 U	5.0 U	5 UJ	5.0 U	5.0 U	5 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	5 U	5.0 U	5.0 U	5 U	5.0 U	5.0 U	5 U
Acetone	ug/L	10 UJ	5.0 U	10 UJ	10 UJ	5.0 U	10 UJ	10 UJ
Benzene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Bromodichloromethane	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Bromoform	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 UJ	1.0 U	1 U
Bromomethane (Methyl Bromide)	ug/L	2 U	1.0 UJ	1.0 U	2 U	1.0 U	1.0 U	2 U
Carbon disulfide	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	ug/L	1 U	1.0 U	1.0 UJ	1 U	1.0 U	1.0 U	1 U
Chlorobenzene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Chloroethane	ug/L	2 U	1.0 U	2.0 UJ	2 U	1.0 U	2.0 U	2 U
Chloroform (Trichloromethane)	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Chloromethane (Methyl Chloride)	ug/L	2 UJ	1.0 U	2.0 U	2 U	1.0 U	2.0 U	2 UJ
cis-1,2-Dichloroethene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Cyclohexane	ug/L	-	1.0 U	-	-	1.0 U	-	-
Dibromochloromethane	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Dichlorodifluoromethane (CFC-12)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Ethylbenzene	ug/L	1 U	1.0 U	1.0 U	**8.4**	1.0 U	1.0 U	1 U
Isopropylbenzene	ug/L	-	1.0 U	-	**69**	1.0 U	-	-
Methyl acetate	ug/L	-	1.0 U	-	-	1.0 U	-	-
Methyl cyclohexane	ug/L	-	1.0 U	-	-	1.0 U	-	-
Methyl Tert Butyl Ether	ug/L	-	1.0 U	-	-	1.0 U	-	-
Methylene chloride	ug/L	2 U	1.0 U	2.0 U	2 U	1.0 U	2.0 U	2 U
n-Propylbenzene	ug/L	-	-	-	**62**	-	-	-
Styrene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Tetrachloroethene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Toluene	ug/L	1.8	0.46 J	1.0 U	0.37 J	1.0 U	1.0 U	0.26 J
trans-1,2-Dichloroethene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Trichloroethene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Trichlorofluoromethane (CFC-11)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Trifluorotrichloroethane (Freon 113)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Vinyl chloride	ug/L	2 U	1.0 U	2.0 U	2 U	1.0 U	2.0 U	2 U
Xylene (total)	ug/L	3 U	3.0 U	**8.2**	**96**	3.0 U	3.0 U	3 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-8*	*GT-8*	*GT-9*	*GT-9*	*GT-9*	*GT-10*	*GT-10*
Sample ID:		*GW-18631-RW-18*	*GW-18631-092909-RR-001*	*GW-18631-RW-003*	*GW-18631-RW-05*	*GW-18631-100509-RR-025*	*GW-18631-RW-010*	*GW-18631-RW-15*
Sample Date:		*4/3/2002*	*9/29/2009*	*10/16/2001*	*4/2/2002*	*10/5/2009*	*10/17/2001*	*4/3/2002*
Parameters	***Units***							
Semi-volatiles								
1,2,4-Trichlorobenzene	ug/L	10 U	-	10 U	10 U	-	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	-	10 U	10 U	-	10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	-	10 U	10 U	-	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	-	10 U	10 U	-	10 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	10 U	-	10 U	10 U	-	10 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	-	2.3 U	-	-	2.0 U	-	-
2,4,5-Trichlorophenol	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	12 U	10 U	**3.1 J**	9.9 U	10 U	10 U
2,4-Dinitrophenol	ug/L	50 UJ	58 U	50 U	50 UJ	50 U	50 U	50 UJ
2,4-Dinitrotoluene	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
2-Chloronaphthalene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
2-Methylphenol	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
2-Nitroaniline	ug/L	50 U	58 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	50 R	12 U	50 U	50 U	9.9 U	50 U	50 R
3-Nitroaniline	ug/L	50 U	58 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	50 UJ	58 U	50 U	50 UJ	50 U	50 U	50 UJ
4-Bromophenyl phenyl ether	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
4-Chlorophenyl phenyl ether	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
4-Methylphenol	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
4-Nitroaniline	ug/L	50 U	58 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	ug/L	50 U	58 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Acenaphthylene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Acetophenone	ug/L	-	12 U	-	-	9.9 U	-	-
Anthracene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Atrazine	ug/L	-	12 U	-	-	9.9 U	-	-
Benzaldehyde	ug/L	-	12 U	-	-	9.9 U	-	-
Benzo(a)anthracene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Benzo(a)pyrene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Biphenyl (1,1-Biphenyl)	ug/L	-	12 U	-	-	9.9 U	-	-
bis(2-Chloroethoxy)methane	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
bis(2-Chloroethyl)ether	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
Butyl benzylphthalate	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
Caprolactam	ug/L	-	58 U	-	-	50 U	-	-
Carbazole	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Chrysene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Dibenzofuran	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
Diethyl phthalate	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
Dimethyl phthalate	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
Di-n-octyl phthalate	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-8*	*GT-8*	*GT-9*	*GT-9*	*GT-9*	*GT-10*	*GT-10*
Sample ID:		*GW-18631-RW-18*	*GW-18631-092909-RR-001*	*GW-18631-RW-003*	*GW-18631-RW-05*	*GW-18631-100509-RR-025*	*GW-18631-RW-010*	*GW-18631-RW-15*
Sample Date:		*4/3/2002*	*9/29/2009*	*10/16/2001*	*4/2/2002*	*10/5/2009*	*10/17/2001*	*4/3/2002*
Parameters	***Units***							
Fluoranthene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Fluorene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Hexachlorobutadiene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	50 U	12 U	50 U	50 U	9.9 U	50 U	50 U
Hexachloroethane	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Isophorone	ug/L	10 U	12 U	10 U	10 U	9.9 U	10 U	10 U
Naphthalene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Nitrobenzene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
N-Nitrosodi-n-propylamine	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
N-Nitrosodiphenylamine	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Pentachlorophenol	ug/L	50 U	12 U	50 U	50 U	9.9 U	50 U	50 U
Phenanthrene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Phenol	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Pyrene	ug/L	10 U	2.3 U	10 U	10 U	2.0 U	10 U	10 U
Metals								
Aluminum	ug/L	1300	-	40.1 U	546	-	734 U	200 U
Antimony	ug/L	60 U	-	**4.4**	60 U	-	4.1 U	60 U
Arsenic	ug/L	10 U	-	2.0	10 U	-	2.0 U	10 U
Barium	ug/L	37.9	-	25.5	22.4	-	33.6	36.5
Beryllium	ug/L	5 U	-	0.077 U	5 U	-	0.077 U	5 U
Cadmium	ug/L	5 U	-	0.63 U	5 U	-	0.72	5 U
Calcium	ug/L	82600	-	67400 J	118000	-	112000 J	122000
Chromium Total	ug/L	10 U	-	1.3	10 U	-	2.7	10 U
Cobalt	ug/L	50 U	-	2.6 U	2.6	-	2.6 U	50 U
Copper	ug/L	2.5	-	5.0	4.8	-	2.0 U	25 U
Cyanide (total)	ug/L	-	-	10.0 U	-	-	10.0 U	-
Iron	ug/L	**1520**	-	52.3	**877**	-	**1060**	100 U
Lead	ug/L	3 U	-	2.4	2.5	-	3.1	3 U
Magnesium	ug/L	9160	-	4530	10600	-	11200	12700
Manganese	ug/L	38.4	-	46.4	**1280**	-	25.6	15 U
Mercury	ug/L	0.2 U	-	0.054 U	0.2 U	-	0.086 U	0.2 U
Nickel	ug/L	3.3	-	7.9 U	5.1	-	7.9 U	40 U
Potassium	ug/L	798	-	1540	1000	-	755 U	496
Selenium	ug/L	5 U	-	3.2 U	5 U	-	3.2 U	5 U
Silver	ug/L	1.5	-	0.75 U	10 U	-	0.75 U	10 U
Sodium	ug/L	3630	-	8160	**39400**	-	3690	4370
Thallium	ug/L	10 U	-	5.7 U	10 U	-	5.7 U	10 U
Vanadium	ug/L	2.8	-	4.1 U	50 U	-	4.1 U	50 U
Zinc	ug/L	8.6	-	15.9 U	25.1	-	7.3 U	20 U
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Aroclor-1221 (PCB-1221)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Aroclor-1232 (PCB-1232)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Aroclor-1242 (PCB-1242)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Aroclor-1248 (PCB-1248)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Aroclor-1254 (PCB-1254)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Aroclor-1260 (PCB-1260)	ug/L	-	-	1.0 U	-	-	1.0 U	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-8*	*GT-8*	*GT-9*	*GT-9*	*GT-9*	*GT-10*	*GT-10*
Sample ID:		*GW-18631-RW-18*	*GW-18631-092909-RR-001*	*GW-18631-RW-003*	*GW-18631-RW-05*	*GW-18631-100509-RR-025*	*GW-18631-RW-010*	*GW-18631-RW-15*
Sample Date:		*4/3/2002*	*9/29/2009*	*10/16/2001*	*4/2/2002*	*10/5/2009*	*10/17/2001*	*4/3/2002*
Parameters	***Units***							
Pesticides								
4,4'-DDD	ug/L	-	-	0.050 U	-	-	0.050 U	-
4,4'-DDE	ug/L	-	-	0.0052 J	-	-	0.050 U	-
4,4'-DDT	ug/L	-	-	0.050 U	-	-	0.050 U	-
Aldrin	ug/L	-	-	0.050 U	-	-	0.050 U	-
alpha-BHC	ug/L	-	-	0.050 U	-	-	0.050 U	-
beta-BHC	ug/L	-	-	0.050 U	-	-	0.050 U	-
Chlordane	ug/L	-	-	0.50 U	-	-	0.50 U	-
delta-BHC	ug/L	-	-	0.050 U	-	-	0.050 U	-
Dieldrin	ug/L	-	-	**0.0056 J**	-	-	0.050 U	-
Endosulfan I	ug/L	-	-	0.050 U	-	-	0.050 U	-
Endosulfan II	ug/L	-	-	0.050 U	-	-	0.050 U	-
Endosulfan sulfate	ug/L	-	-	0.050 U	-	-	0.050 U	-
Endrin	ug/L	-	-	0.050 U	-	-	0.050 U	-
Endrin aldehyde	ug/L	-	-	0.050 U	-	-	0.050 U	-
Endrin ketone	ug/L	-	-	0.050 U	-	-	0.050 U	-
gamma-BHC (Lindane)	ug/L	-	-	0.050 U	-	-	0.050 U	-
Heptachlor	ug/L	-	-	0.050 U	-	-	0.050 U	-
Heptachlor epoxide	ug/L	-	-	0.050 U	-	-	0.050 U	-
Methoxychlor	ug/L	-	-	0.10 U	-	-	0.10 U	-
Toxaphene	ug/L	-	-	2.0 U	-	-	2.0 U	-
Petroleum Products								
Total Petroleum Hydrocarbons - extractable (DRO)	ug/L	-	100 UJ	-	-	100 U	-	-
Total Petroleum Hydrocarbons (C21-C28)	mg/L	0.5 U	-	0.36 J	2.8	-	0.49 U	0.5 U
General Chemsitry								
Phenolics (Total)	mg/L	-	-	0.010 U	-	-	0.010 U	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-10*	*GT-12*	*GT-12*	*GT-12*	*GT-13*	*GT-13*
Sample ID:		*GW-18631-100509-BP-012*	*GW-18631-RW-009*	*GW-18631-RW-10*	*GW-18631-100609-BP-020*	*GW-18631-RW-005*	*GW-18631-RW-08*
Sample Date:		*10/5/2009*	*10/17/2001*	*4/2/2002*	*10/6/2009*	*10/16/2001*	*4/2/2002*
Parameters	***Units***						
Volatiles							
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,2,3-Trichloropropane	ug/L	-	-	-	-	-	1 U
1,2,4-Trichlorobenzene	ug/L	1.0 U	-	-	1.0 U	-	-
1,2,4-Trimethylbenzene	ug/L	-	-	-	-	-	1 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 UJ	-	-	1.0 U	-	-
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	1.0 U	-	-	1.0 U	-	-
1,2-Dichlorobenzene	ug/L	1.0 U	-	-	1.0 U	-	-
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,3,5-Trimethylbenzene	ug/L	-	-	-	-	-	1 U
1,3-Dichlorobenzene	ug/L	1.0 U	-	-	1.0 U	-	-
1,4-Dichlorobenzene	ug/L	1.0 U	-	-	1.0 U	-	-
2-Butanone (Methyl Ethyl Ketone)	ug/L	5.0 U	5.0 U	5 UJ	5.0 U	5.0 U	5 UJ
2-Hexanone	ug/L	5.0 U	5.0 U	5 UJ	5.0 U	5.0 U	5 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	5.0 U	5.0 U	5 U	5.0 U	5.0 U	5 U
Acetone	ug/L	3.3 J	10 UJ	10 UJ	2.9 J	10 UJ	10 UJ
Benzene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.1	1 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Bromoform	ug/L	1.0 UJ	1.0 U	1 U	1.0 U	1.0 U	1 U
Bromomethane (Methyl Bromide)	ug/L	1.0 U	1.0 U	2 U	1.0 U	1.0 U	2 U
Carbon disulfide	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 UJ	1 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Chloroethane	ug/L	1.0 U	2.0 U	2 U	1.0 U	2.0 UJ	2 U
Chloroform (Trichloromethane)	ug/L	1.0 U	1.0 U	1 U	2.7	1.0 U	1 U
Chloromethane (Methyl Chloride)	ug/L	1.0 U	2.0 U	2 U	1.0 U	2.0 U	2 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Cyclohexane	ug/L	1.0 U	-	-	1.0 U	-	-
Dibromochloromethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Dichlorodifluoromethane (CFC-12)	ug/L	1.0 U	-	-	1.0 U	-	-
Ethylbenzene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Isopropylbenzene	ug/L	1.0 U	-	-	1.0 U	-	1 U
Methyl acetate	ug/L	1.0 U	-	-	1.0 U	-	-
Methyl cyclohexane	ug/L	1.0 U	-	-	1.0 U	-	-
Methyl Tert Butyl Ether	ug/L	1.0 U	-	-	1.0 U	-	-
Methylene chloride	ug/L	0.28 J	2.0 U	2 U	1.0 U	2.0 U	2 U
n-Propylbenzene	ug/L	-	-	-	-	-	1 U
Styrene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Toluene	ug/L	1.0 U	1.0 U	0.32 J	1.0 U	1.0 U	0.33 J
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Trichloroethene	ug/L	1.0 U	1.0 U	1 U	0.72 J	1.0 U	1 U
Trichlorofluoromethane (CFC-11)	ug/L	1.0 U	-	-	1.0 U	-	-
Trifluorotrichloroethane (Freon 113)	ug/L	1.0 U	-	-	1.0 U	-	-
Vinyl chloride	ug/L	1.0 U	2.0 U	2 U	1.0 U	2.0 U	2 U
Xylene (total)	ug/L	3.0 U	3.0 U	3 U	3.0 U	3.0 U	3 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-10*	*GT-12*	*GT-12*	*GT-12*	*GT-13*	*GT-13*
Sample ID:		*GW-18631-100509-BP-012*	*GW-18631-RW-009*	*GW-18631-RW-10*	*GW-18631-100609-BP-020*	*GW-18631-RW-005*	*GW-18631-RW-08*
Sample Date:		*10/5/2009*	*10/17/2001*	*4/2/2002*	*10/6/2009*	*10/16/2001*	*4/2/2002*
Parameters	***Units***						
Semi-volatiles							
1,2,4-Trichlorobenzene	ug/L	-	10 U	10 U	-	10 U	10 U
1,2-Dichlorobenzene	ug/L	-	10 U	10 U	-	10 U	10 U
1,3-Dichlorobenzene	ug/L	-	10 U	10 U	-	10 U	10 U
1,4-Dichlorobenzene	ug/L	-	10 U	10 U	-	10 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	-	10 U	10 U	-	10 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	2.0 U	-	-	1.9 U	-	-
2,4,5-Trichlorophenol	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
2,4-Dichlorophenol	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
2,4-Dinitrophenol	ug/L	51 U	50 U	50 U	48 U	50 U	50 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
2-Chloronaphthalene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
2-Methylnaphthalene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
2-Methylphenol	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
2-Nitroaniline	ug/L	51 U	50 U	50 U	48 U	50 U	50 U
2-Nitrophenol	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	10 U	50 U	50 U	9.6 U	50 U	50 U
3-Nitroaniline	ug/L	51 U	50 U	50 U	48 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	51 U	50 U	50 U	48 U	50 U	50 U
4-Bromophenyl phenyl ether	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
4-Chlorophenyl phenyl ether	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
4-Nitroaniline	ug/L	51 U	50 U	50 U	48 U	50 U	50 U
4-Nitrophenol	ug/L	51 U	50 U	50 U	48 U	50 U	50 U
Acenaphthene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Acenaphthylene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Acetophenone	ug/L	10 U	-	-	9.6 U	-	-
Anthracene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Atrazine	ug/L	10 U	-	-	9.6 U	-	-
Benzaldehyde	ug/L	10 U	-	-	9.6 U	-	-
Benzo(a)anthracene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Benzo(a)pyrene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Biphenyl (1,1-Biphenyl)	ug/L	10 U	-	-	9.6 U	-	-
bis(2-Chloroethoxy)methane	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
bis(2-Chloroethyl)ether	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
Butyl benzylphthalate	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
Caprolactam	ug/L	51 U	-	-	48 U	-	-
Carbazole	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Chrysene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Dibenzofuran	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
Diethyl phthalate	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
Dimethyl phthalate	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
Di-n-octyl phthalate	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-10*	*GT-12*	*GT-12*	*GT-12*	*GT-13*	*GT-13*
Sample ID:		*GW-18631-100509-BP-012*	*GW-18631-RW-009*	*GW-18631-RW-10*	*GW-18631-100609-BP-020*	*GW-18631-RW-005*	*GW-18631-RW-08*
Sample Date:		*10/5/2009*	*10/17/2001*	*4/2/2002*	*10/6/2009*	*10/16/2001*	*4/2/2002*
Parameters	***Units***						
Fluoranthene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Fluorene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Hexachlorobenzene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Hexachlorobutadiene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	50 U	50 U	9.6 U	50 U	50 U
Hexachloroethane	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Isophorone	ug/L	10 U	10 U	10 U	9.6 U	10 U	10 U
Naphthalene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Nitrobenzene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
N-Nitrosodi-n-propylamine	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
N-Nitrosodiphenylamine	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Pentachlorophenol	ug/L	10 U	50 U	50 U	9.6 U	50 U	50 U
Phenanthrene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Phenol	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Pyrene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Metals							
Aluminum	ug/L	-	213 U	200 U	-	14.6 U	200 U
Antimony	ug/L	-	4.1 U	60 U	-	4.1 U	60 U
Arsenic	ug/L	-	2.0 U	10 U	-	2.0 U	10 U
Barium	ug/L	-	43.9	40.7	-	88.7	36.8
Beryllium	ug/L	-	0.077 U	5 U	-	0.077 U	5 U
Cadmium	ug/L	-	0.63 U	5 U	-	0.63 U	5 U
Calcium	ug/L	-	131000 J	121000	-	132000 J	110000
Chromium Total	ug/L	-	3.7	10 U	-	2.8	10 U
Cobalt	ug/L	-	2.6 U	50 U	-	2.6 U	50 U
Copper	ug/L	-	1.3 U	25 U	-	2.3	25 U
Cyanide (total)	ug/L	-	10.0 U	-	-	10.0 U	-
Iron	ug/L	-	**327**	99.8	-	194	70.8
Lead	ug/L	-	1.8 U	3 U	-	1.8 U	3 U
Magnesium	ug/L	-	13500	12900	-	11300	12800
Manganese	ug/L	-	8.4	1.6	-	**839**	18.5
Mercury	ug/L	-	0.054 U	0.2 U	-	0.054 U	0.2 U
Nickel	ug/L	-	7.9 U	40 U	-	7.9 U	40 U
Potassium	ug/L	-	942 U	600	-	1360	646
Selenium	ug/L	-	3.2 U	5 U	-	3.2 U	5 U
Silver	ug/L	-	1.6	10 U	-	0.75 U	10 U
Sodium	ug/L	-	**31700**	**28800**	-	**277000**	**29800**
Thallium	ug/L	-	5.7 U	10 U	-	5.7 U	10 U
Vanadium	ug/L	-	4.1 U	50 U	-	4.8	50 U
Zinc	ug/L	-	3.2 U	20 U	-	10.9 U	20 U
PCBs							
Aroclor-1016 (PCB-1016)	ug/L	-	1.0 U	-	-	1.0 U	-
Aroclor-1221 (PCB-1221)	ug/L	-	1.0 U	-	-	1.0 U	-
Aroclor-1232 (PCB-1232)	ug/L	-	1.0 U	-	-	1.0 U	-
Aroclor-1242 (PCB-1242)	ug/L	-	1.0 U	-	-	1.0 U	-
Aroclor-1248 (PCB-1248)	ug/L	-	1.0 U	-	-	1.0 U	-
Aroclor-1254 (PCB-1254)	ug/L	-	1.0 U	-	-	1.0 U	-
Aroclor-1260 (PCB-1260)	ug/L	-	1.0 U	-	-	1.0 U	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-10*	*GT-12*	*GT-12*	*GT-12*	*GT-13*	*GT-13*
Sample ID:		*GW-18631-100509-BP-012*	*GW-18631-RW-009*	*GW-18631-RW-10*	*GW-18631-100609-BP-020*	*GW-18631-RW-005*	*GW-18631-RW-08*
Sample Date:		*10/5/2009*	*10/17/2001*	*4/2/2002*	*10/6/2009*	*10/16/2001*	*4/2/2002*
Parameters	***Units***						
Pesticides							
4,4'-DDD	ug/L	-	0.050 U	-	-	0.050 U	-
4,4'-DDE	ug/L	-	0.050 U	-	-	0.050 U	-
4,4'-DDT	ug/L	-	0.050 U	-	-	0.050 U	-
Aldrin	ug/L	-	0.050 U	-	-	0.050 U	-
alpha-BHC	ug/L	-	0.050 U	-	-	0.050 U	-
beta-BHC	ug/L	-	0.050 U	-	-	0.050 U	-
Chlordane	ug/L	-	0.50 U	-	-	0.50 U	-
delta-BHC	ug/L	-	0.050 U	-	-	0.050 U	-
Dieldrin	ug/L	-	0.050 U	-	-	0.050 U	-
Endosulfan I	ug/L	-	0.050 U	-	-	0.050 U	-
Endosulfan II	ug/L	-	0.050 U	-	-	0.050 U	-
Endosulfan sulfate	ug/L	-	0.050 U	-	-	0.050 U	-
Endrin	ug/L	-	0.050 U	-	-	0.050 U	-
Endrin aldehyde	ug/L	-	0.050 U	-	-	0.050 U	-
Endrin ketone	ug/L	-	0.050 U	-	-	0.050 U	-
gamma-BHC (Lindane)	ug/L	-	0.050 U	-	-	0.050 U	-
Heptachlor	ug/L	-	0.050 U	-	-	0.050 U	-
Heptachlor epoxide	ug/L	-	0.050 U	-	-	0.050 U	-
Methoxychlor	ug/L	-	0.10 U	-	-	0.10 U	-
Toxaphene	ug/L	-	2.0 U	-	-	2.0 U	-
Petroleum Products							
Total Petroleum Hydrocarbons - extractable (DRO)	ug/L	100 U	-	-	100 U	-	-
Total Petroleum Hydrocarbons (C21-C28)	mg/L	-	0.47 U	0.48 U	-	0.36 J	0.5 U
General Chemsitry							
Phenolics (Total)	mg/L	-	0.010 U	-	-	0.010 U	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-13*	*GT-14*	*GT-14*	*GT-14*	*GT-14*	*GT-15*
Sample ID:		*GW-18631-100609-RR-029*	*GW-18631-RW-004*	*GW-18631-RW-03*	*GW-18631-100209-RR-015*	*GW-18631-100209-RR-017*	*GW-18631-RW-025*
Sample Date:		*10/6/2009*	*10/16/2001*	*4/2/2002*	*10/2/2009*	*10/2/2009*	*10/18/2001*
						Duplicate	
Parameters	***Units***						
Volatiles							
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,2,3-Trichloropropane	ug/L	1.0 U	-	1 U	1.0 U	1.0 U	-
1,2,4-Trichlorobenzene	ug/L	1.0 U	-	-	1.0 U	1.0 U	-
1,2,4-Trimethylbenzene	ug/L	**5.9**	-	1 U	1.0 U	1.0 U	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U	-	-	1.0 U	1.0 U	-
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	1.0 U	-	-	1.0 U	1.0 U	-
1,2-Dichlorobenzene	ug/L	1.0 U	-	-	1.0 U	1.0 U	-
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	ug/L	**20**	-	1 U	1.0 U	1.0 U	-
1,3-Dichlorobenzene	ug/L	1.0 U	-	-	1.0 U	1.0 U	-
1,4-Dichlorobenzene	ug/L	1.0 U	-	-	1.0 U	1.0 U	-
2-Butanone (Methyl Ethyl Ketone)	ug/L	5.0 U	5.0 U	5 UJ	5.0 U	5.0 U	5.0 UJ
2-Hexanone	ug/L	5.0 U	5.0 U	5 UJ	5.0 U	5.0 U	5.0 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	5.0 U	5.0 U	5 U	5.0 U	5.0 U	5.0 U
Acetone	ug/L	5.0 U	10 UJ	10 UJ	5.0 U	5.0 U	10 UJ
Benzene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl Bromide)	ug/L	1.0 U	1.0 U	2 U	1.0 UJ	1.0 UJ	1.0 U
Carbon disulfide	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 UJ	1 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	1.0 U	2.0 UJ	2 U	1.0 U	1.0 U	2.0 UJ
Chloroform (Trichloromethane)	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl Chloride)	ug/L	1.0 U	2.0 U	2 U	1.0 U	1.0 U	2.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/L	1.0 U	-	-	1.0 U	1.0 U	-
Dibromochloromethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	1.0 U	-	-	1.0 U	1.0 U	-
Ethylbenzene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	ug/L	1.3	-	1 U	1.0 U	1.0 U	-
Methyl acetate	ug/L	1.0 U	-	-	1.0 U	1.0 U	-
Methyl cyclohexane	ug/L	1.0 U	-	-	1.0 U	1.0 U	-
Methyl Tert Butyl Ether	ug/L	1.0 U	-	-	1.0 U	1.0 U	-
Methylene chloride	ug/L	1.0 U	2.0 U	2 U	1.0 U	1.0 U	2.0 U
n-Propylbenzene	ug/L	2.3	-	1 U	1.0 U	1.0 U	-
Styrene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Toluene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	1.0 U	4.3
Trichlorofluoromethane (CFC-11)	ug/L	1.0 U	-	-	1.0 U	1.0 U	-
Trifluorotrichloroethane (Freon 113)	ug/L	1.0 U	-	-	1.0 U	1.0 U	-
Vinyl chloride	ug/L	1.0 U	2.0 U	2 U	1.0 U	1.0 U	2.0 U
Xylene (total)	ug/L	3.0 U	3.0 U	3 U	3.0 U	3.0 U	3.0 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-13*	*GT-14*	*GT-14*	*GT-14*	*GT-14*	*GT-15*
Sample ID:		*GW-18631-100609-RR-029*	*GW-18631-RW-004*	*GW-18631-RW-03*	*GW-18631-100209-RR-015*	*GW-18631-100209-RR-017*	*GW-18631-RW-025*
Sample Date:		*10/6/2009*	*10/16/2001*	*4/2/2002*	*10/2/2009*	*10/2/2009*	*10/18/2001*
						Duplicate	
Parameters	*Units*						
Semi-volatiles							
1,2,4-Trichlorobenzene	ug/L	-	10 U	10 U	-	-	10 U
1,2-Dichlorobenzene	ug/L	-	10 U	10 U	-	-	10 U
1,3-Dichlorobenzene	ug/L	-	10 U	10 U	-	-	10 U
1,4-Dichlorobenzene	ug/L	-	10 U	10 U	-	-	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	-	10 U	10 U	-	-	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	2.2 U	-	-	2.0 U	2.2 U	-
2,4,5-Trichlorophenol	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
2,4-Dichlorophenol	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
2,4-Dinitrophenol	ug/L	54 U	50 U	50 UJ	49 U	54 U	50 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
2-Chloronaphthalene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
2-Chlorophenol	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
2-Methylnaphthalene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
2-Methylphenol	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
2-Nitroaniline	ug/L	54 U	50 U	50 U	49 U	54 U	50 U
2-Nitrophenol	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	50 U	50 U	9.8 U	11 U	50 U
3-Nitroaniline	ug/L	54 U	50 U	50 U	49 U	54 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	54 U	50 U	50 UJ	49 U	54 U	50 U
4-Bromophenyl phenyl ether	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
4-Chloroaniline	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
4-Chlorophenyl phenyl ether	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
4-Methylphenol	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
4-Nitroaniline	ug/L	54 U	50 U	50 U	49 U	54 U	50 U
4-Nitrophenol	ug/L	54 U	50 U	50 U	49 U	54 U	50 UJ
Acenaphthene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Acenaphthylene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Acetophenone	ug/L	11 U	-	-	9.8 U	11 U	-
Anthracene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Atrazine	ug/L	11 U	-	-	9.8 U	11 U	-
Benzaldehyde	ug/L	11 U	-	-	9.8 U	11 U	-
Benzo(a)anthracene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Benzo(a)pyrene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Benzo(b)fluoranthene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Benzo(g,h,i)perylene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Benzo(k)fluoranthene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Biphenyl (1,1-Biphenyl)	ug/L	11 U	-	-	9.8 U	11 U	-
bis(2-Chloroethoxy)methane	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
bis(2-Chloroethyl)ether	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
Butyl benzylphthalate	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
Caprolactam	ug/L	54 U	-	-	49 U	54 U	-
Carbazole	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Chrysene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Dibenz(a,h)anthracene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Dibenzofuran	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
Diethyl phthalate	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
Dimethyl phthalate	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
Di-n-octyl phthalate	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-13*	*GT-14*	*GT-14*	*GT-14*	*GT-14*	*GT-15*
Sample ID:		*GW-18631-100609-RR-029*	*GW-18631-RW-004*	*GW-18631-RW-03*	*GW-18631-100209-RR-015*	*GW-18631-100209-RR-017*	*GW-18631-RW-025*
Sample Date:		*10/6/2009*	*10/16/2001*	*4/2/2002*	*10/2/2009*	*10/2/2009*	*10/18/2001*
						Duplicate	
Parameters	***Units***						
Fluoranthene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Fluorene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Hexachlorobenzene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Hexachlorobutadiene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	50 U	50 U	9.8 U	11 U	50 U
Hexachloroethane	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Isophorone	ug/L	11 U	10 U	10 U	9.8 U	11 U	10 U
Naphthalene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Nitrobenzene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
N-Nitrosodi-n-propylamine	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
N-Nitrosodiphenylamine	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Pentachlorophenol	ug/L	11 U	50 U	50 U	9.8 U	11 U	50 U
Phenanthrene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Phenol	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Pyrene	ug/L	2.2 U	10 U	10 U	2.0 U	2.2 U	10 U
Metals							
Aluminum	ug/L	-	2830	465	-	-	23.8 U
Antimony	ug/L	-	4.1 U	60 U	-	-	4.1 U
Arsenic	ug/L	-	2.0 U	10 U	-	-	2.0 U
Barium	ug/L	-	44.9	33	-	-	44.2
Beryllium	ug/L	-	0.24 U	5 U	-	-	0.077 U
Cadmium	ug/L	-	0.63 U	5 U	-	-	0.63 U
Calcium	ug/L	-	118000 J	116000	-	-	73300
Chromium Total	ug/L	-	7.6	10 U	-	-	1.8
Cobalt	ug/L	-	2.6	50 U	-	-	2.6 U
Copper	ug/L	-	10.0	2	-	-	4.3 U
Cyanide (total)	ug/L	-	10.0 U	-	-	-	10.0 U
Iron	ug/L	-	**4710**	**655**	-	-	16.5 U
Lead	ug/L	-	1.9	3 U	-	-	1.8 U
Magnesium	ug/L	-	15600	14800	-	-	10900
Manganese	ug/L	-	111	16.7	-	-	0.88 U
Mercury	ug/L	-	0.054 U	0.2 U	-	-	0.054 U
Nickel	ug/L	-	7.9 U	1.8	-	-	7.9 U
Potassium	ug/L	-	2200	645	-	-	1070 U
Selenium	ug/L	-	3.2 U	5 U	-	-	3.2 U
Silver	ug/L	-	0.75 U	1.2	-	-	0.75 U
Sodium	ug/L	-	2980	2710	-	-	**24600**
Thallium	ug/L	-	5.7 U	10 U	-	-	5.7 U
Vanadium	ug/L	-	9.5	50 U	-	-	7.5 U
Zinc	ug/L	-	51.3	20 U	-	-	3.2 U
PCBs							
Aroclor-1016 (PCB-1016)	ug/L	-	1.0 U	-	-	-	1.0 U
Aroclor-1221 (PCB-1221)	ug/L	-	1.0 U	-	-	-	1.0 U
Aroclor-1232 (PCB-1232)	ug/L	-	1.0 U	-	-	-	1.0 U
Aroclor-1242 (PCB-1242)	ug/L	-	1.0 U	-	-	-	1.0 U
Aroclor-1248 (PCB-1248)	ug/L	-	1.0 U	-	-	-	1.0 U
Aroclor-1254 (PCB-1254)	ug/L	-	1.0 U	-	-	-	1.0 U
Aroclor-1260 (PCB-1260)	ug/L	-	1.0 U	-	-	-	1.0 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-13*	*GT-14*	*GT-14*	*GT-14*	*GT-14*	*GT-15*
Sample ID:		*GW-18631-100609-RR-029*	*GW-18631-RW-004*	*GW-18631-RW-03*	*GW-18631-100209-RR-015*	*GW-18631-100209-RR-017*	*GW-18631-RW-025*
Sample Date:		*10/6/2009*	*10/16/2001*	*4/2/2002*	*10/2/2009*	*10/2/2009* *Duplicate*	*10/18/2001*
Parameters	***Units***						
Pesticides							
4,4'-DDD	ug/L	-	0.050 U	-	-	-	0.050 U
4,4'-DDE	ug/L	-	0.050 U	-	-	-	0.050 U
4,4'-DDT	ug/L	-	0.050 U	-	-	-	0.050 U
Aldrin	ug/L	-	0.050 U	-	-	-	0.050 U
alpha-BHC	ug/L	-	0.050 U	-	-	-	0.050 U
beta-BHC	ug/L	-	0.050 U	-	-	-	0.050 U
Chlordane	ug/L	-	0.50 U	-	-	-	0.50 U
delta-BHC	ug/L	-	0.050 U	-	-	-	0.050 U
Dieldrin	ug/L	-	0.050 U	-	-	-	0.050 U
Endosulfan I	ug/L	-	0.050 U	-	-	-	0.050 U
Endosulfan II	ug/L	-	0.050 U	-	-	-	0.050 U
Endosulfan sulfate	ug/L	-	0.050 U	-	-	-	0.050 U
Endrin	ug/L	-	0.050 U	-	-	-	0.050 U
Endrin aldehyde	ug/L	-	0.050 U	-	-	-	0.050 U
Endrin ketone	ug/L	-	0.050 U	-	-	-	0.050 U
gamma-BHC (Lindane)	ug/L	-	0.050 U	-	-	-	0.050 U
Heptachlor	ug/L	-	0.050 U	-	-	-	0.050 U
Heptachlor epoxide	ug/L	-	0.050 U	-	-	-	0.050 U
Methoxychlor	ug/L	-	0.10 U	-	-	-	0.10 U
Toxaphene	ug/L	-	2.0 U	-	-	-	2.0 U
Petroleum Products							
Total Petroleum Hydrocarbons - extractable (DRO)	ug/L	100 U	-	-	100 UJ	100 UJ	-
Total Petroleum Hydrocarbons (C21-C28)	mg/L	-	0.50 U	0.48 U	-	-	0.46 U
General Chemsitry							
Phenolics (Total)	mg/L	-	0.010 U	-	-	-	0.010 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-15*	*GT-15*	*GT-16*	*GT-16*	*GT-16*	*SMW-1*	*SMW-1*
Sample ID:		*GW-18631-RW-25*	*GW-18631-100109-RR-009*	*GW-18631-RW-019*	*GW-18631-RW-24*	*GW-18631-100109-RR-011*	*GW-18631-RW-014*	*GW-18631-RW-17*
Sample Date:		*4/4/2002*	*10/1/2009*	*10/17/2001*	*4/4/2002*	*10/1/2009*	*10/17/2001*	*4/3/2002*
Parameters	***Units***							
Volatiles								
1,1,1-Trichloroethane	ug/L	1 U	1.0 U	1.1	1 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	ug/L	1 UJ	1.0 U	1.0 U	1 UJ	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,2,3-Trichloropropane	ug/L	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	-	1.0 U	-	-	1.0 U	-	-
1,2,4-Trimethylbenzene	ug/L	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	-	1.0 U	-	-	1.0 U	-	-
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	-	1.0 U	-	-	1.0 U	-	-
1,2-Dichlorobenzene	ug/L	-	1.0 U	-	-	1.0 U	-	-
1,2-Dichloroethane	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,2-Dichloropropane	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,3,5-Trimethylbenzene	ug/L	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	1.0 U	-	-	1.0 U	-	-
1,4-Dichlorobenzene	ug/L	-	1.0 U	-	-	1.0 U	-	-
2-Butanone (Methyl Ethyl Ketone)	ug/L	5 U	5.0 U	5.0 U	5 U	5.0 U	5.0 U	5 U
2-Hexanone	ug/L	5 U	5.0 U	5.0 U	5 U	5.0 U	5.0 U	5 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	5 U	5.0 U	5.0 U	5 U	5.0 U	5.0 U	5 U
Acetone	ug/L	10 UJ	5.0 U	10 UJ	10 UJ	5.0 U	10 UJ	10 UJ
Benzene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Bromodichloromethane	ug/L	1 U	1.0 U	1.0 U	1 U	0.29 J	1.0 U	1 U
Bromoform	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Bromomethane (Methyl Bromide)	ug/L	2 U	1.0 UJ	1.0 U	2 U	1.0 UJ	1.0 U	2 U
Carbon disulfide	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	ug/L	1 U	0.30 J	1.0 U	0.82 J	1.1	1.0 U	1 U
Chlorobenzene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Chloroethane	ug/L	2 U	1.0 U	2.0 U	2 U	1.0 U	2.0 U	2 U
Chloroform (Trichloromethane)	ug/L	0.49 J	0.25 J	1.0 U	2	4.7	1.0 U	1 U
Chloromethane (Methyl Chloride)	ug/L	2 U	1.0 U	2.0 U	2 U	1.0 U	2.0 U	2 UJ
cis-1,2-Dichloroethene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Cyclohexane	ug/L	-	1.0 U	-	-	1.0 U	-	-
Dibromochloromethane	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Dichlorodifluoromethane (CFC-12)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Ethylbenzene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Isopropylbenzene	ug/L	-	1.0 U	-	-	1.0 U	-	-
Methyl acetate	ug/L	-	1.0 U	-	-	1.0 U	-	-
Methyl cyclohexane	ug/L	-	1.0 U	-	-	1.0 U	-	-
Methyl Tert Butyl Ether	ug/L	-	1.0 U	-	-	1.0 U	-	-
Methylene chloride	ug/L	2 U	1.0 U	2.0 U	2 U	1.0 U	2.0 U	2 U
n-Propylbenzene	ug/L	-	-	-	-	-	-	-
Styrene	ug/L	1 UJ	1.0 U	1.0 U	1 UJ	1.0 U	1.0 U	1 U
Tetrachloroethene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Toluene	ug/L	0.65 J	0.18 J	1.0 U	1 U	0.18 J	1.0 U	1 U
trans-1,2-Dichloroethene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	ug/L	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Trichloroethene	ug/L	2.8	1.5	1.0 U	**13**	**14**	1.0 U	0.59 J
Trichlorofluoromethane (CFC-11)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Trifluorotrichloroethane (Freon 113)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Vinyl chloride	ug/L	2 U	1.0 U	2.0 U	2 U	1.0 U	2.0 U	2 U
Xylene (total)	ug/L	3 U	3.0 U	3.0 U	3 U	3.0 U	3.0 U	3 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-15*	*GT-15*	*GT-16*	*GT-16*	*GT-16*	*SMW-1*	*SMW-1*
Sample ID:		*GW-18631-RW-25*	*GW-18631-100109-RR-009*	*GW-18631-RW-019*	*GW-18631-RW-24*	*GW-18631-100109-RR-011*	*GW-18631-RW-014*	*GW-18631-RW-17*
Sample Date:		*4/4/2002*	*10/1/2009*	*10/17/2001*	*4/4/2002*	*10/1/2009*	*10/17/2001*	*4/3/2002*
Parameters	*Units*							
Semi-volatiles								
1,2,4-Trichlorobenzene	ug/L	10 U	-	10 U	10 U	-	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	-	10 U	10 U	-	10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	-	10 U	10 U	-	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	-	10 U	10 U	-	10 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	10 U	-	10 U	10 U	-	10 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	-	2.0 U	-	-	2.2 U	-	-
2,4,5-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
2,4-Dinitrophenol	ug/L	50 UJ	50 U	50 U	50 UJ	56 U	50 U	50 UJ
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
2-Chloronaphthalene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
2-Methylphenol	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
2-Nitroaniline	ug/L	50 U	50 U	50 U	50 U	56 U	50 U	50 U
2-Nitrophenol	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	50 R	10 U	50 U	50 R	11 U	50 U	50 R
3-Nitroaniline	ug/L	50 U	50 U	50 U	50 U	56 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	50 UJ	50 U	50 U	50 UJ	56 U	50 U	50 UJ
4-Bromophenyl phenyl ether	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
4-Chlorophenyl phenyl ether	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
4-Nitroaniline	ug/L	50 U	50 U	50 U	50 U	56 U	50 U	50 U
4-Nitrophenol	ug/L	50 U	50 U	50 UJ	50 U	56 U	50 U	50 U
Acenaphthene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Acenaphthylene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Acetophenone	ug/L	-	10 U	-	-	11 U	-	-
Anthracene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Atrazine	ug/L	-	10 U	-	-	11 U	-	-
Benzaldehyde	ug/L	-	10 U	-	-	11 U	-	-
Benzo(a)anthracene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Benzo(a)pyrene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Biphenyl (1,1-Biphenyl)	ug/L	-	10 U	-	-	11 U	-	-
bis(2-Chloroethoxy)methane	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
bis(2-Chloroethyl)ether	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Butyl benzylphthalate	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Caprolactam	ug/L	-	50 U	-	-	56 U	-	-
Carbazole	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Chrysene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Dibenzofuran	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Diethyl phthalate	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Dimethyl phthalate	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Di-n-octyl phthalate	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-15*	*GT-15*	*GT-16*	*GT-16*	*GT-16*	*SMW-1*	*SMW-1*
Sample ID:		*GW-18631-RW-25*	*GW-18631-100109-RR-009*	*GW-18631-RW-019*	*GW-18631-RW-24*	*GW-18631-100109-RR-011*	*GW-18631-RW-014*	*GW-18631-RW-17*
Sample Date:		*4/4/2002*	*10/1/2009*	*10/17/2001*	*4/4/2002*	*10/1/2009*	*10/17/2001*	*4/3/2002*
Parameters	***Units***							
Fluoranthene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Fluorene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Hexachlorobutadiene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	50 U	10 U	50 U	50 U	11 U	50 U	50 U
Hexachloroethane	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Isophorone	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U
Naphthalene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Nitrobenzene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
N-Nitrosodi-n-propylamine	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
N-Nitrosodiphenylamine	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Pentachlorophenol	ug/L	50 U	10 U	50 U	50 U	11 U	50 U	50 U
Phenanthrene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Phenol	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Pyrene	ug/L	10 U	2.0 U	10 U	10 U	2.2 U	10 U	10 U
Metals								
Aluminum	ug/L	200 U	-	544	200 U	-	32.5 U	200 U
Antimony	ug/L	60 U	-	4.1 U	60 U	-	4.1 U	60 U
Arsenic	ug/L	10 U	-	2.1	10 U	-	2.0 U	10 U
Barium	ug/L	43.6	-	38.7	41	-	58.5	61.6
Beryllium	ug/L	5 U	-	0.090 U	5 U	-	0.077 U	5 U
Cadmium	ug/L	5 U	-	0.63 U	5 U	-	0.63 U	5 U
Calcium	ug/L	69400	-	116000	90200	-	143000 J	161000
Chromium Total	ug/L	10 U	-	**99.6**	10 U	-	9.1	10 U
Cobalt	ug/L	50 U	-	2.6 U	50 U	-	2.6 U	50 U
Copper	ug/L	25 U	-	3.8 U	25 U	-	1.3 U	1.3
Cyanide (total)	ug/L	-	-	10.0 U	-	-	10.0 U	-
Iron	ug/L	100 U	-	**1300**	100 U	-	130	122
Lead	ug/L	3 U	-	1.8 U	3 U	-	1.8 U	3 U
Magnesium	ug/L	10900	-	11700	13900	-	16400	19300
Manganese	ug/L	15 U	-	23.2	10	-	19.2	9.8
Mercury	ug/L	0.2 U	-	0.054 U	0.2 U	-	0.061 U	0.2 U
Nickel	ug/L	40 U	-	52.2	40 U	-	40.8	48
Potassium	ug/L	600	-	1420 U	910	-	1020 U	816
Selenium	ug/L	5 U	-	3.2 U	5 U	-	3.2 U	5 U
Silver	ug/L	10 U	-	0.75 U	10 U	-	0.75 U	0.79
Sodium	ug/L	**24900 J**	-	**58900**	**42100 J**	-	**94100**	**77700**
Thallium	ug/L	10 U	-	5.7 U	10 U	-	5.7 U	10 U
Vanadium	ug/L	50 U	-	5.2 U	50 U	-	4.1 U	50 U
Zinc	ug/L	20 U	-	3.8	20 U	-	6.0 U	5.2
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Aroclor-1221 (PCB-1221)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Aroclor-1232 (PCB-1232)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Aroclor-1242 (PCB-1242)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Aroclor-1248 (PCB-1248)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Aroclor-1254 (PCB-1254)	ug/L	-	-	1.0 U	-	-	1.0 U	-
Aroclor-1260 (PCB-1260)	ug/L	-	-	1.0 U	-	-	1.0 U	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*GT-15*	*GT-15*	*GT-16*	*GT-16*	*GT-16*	*SMW-1*	*SMW-1*
Sample ID:		*GW-18631-RW-25*	*GW-18631-100109-RR-009*	*GW-18631-RW-019*	*GW-18631-RW-24*	*GW-18631-100109-RR-011*	*GW-18631-RW-014*	*GW-18631-RW-17*
Sample Date:		*4/4/2002*	*10/1/2009*	*10/17/2001*	*4/4/2002*	*10/1/2009*	*10/17/2001*	*4/3/2002*
Parameters	***Units***							
Pesticides								
4,4'-DDD	ug/L	-	-	0.050 U	-	-	0.050 U	-
4,4'-DDE	ug/L	-	-	0.050 U	-	-	0.050 U	-
4,4'-DDT	ug/L	-	-	0.050 U	-	-	0.050 U	-
Aldrin	ug/L	-	-	0.050 U	-	-	0.050 U	-
alpha-BHC	ug/L	-	-	0.050 U	-	-	0.050 U	-
beta-BHC	ug/L	-	-	0.050 U	-	-	0.050 U	-
Chlordane	ug/L	-	-	0.50 U	-	-	0.50 U	-
delta-BHC	ug/L	-	-	0.050 U	-	-	0.050 U	-
Dieldrin	ug/L	-	-	0.050 U	-	-	0.050 U	-
Endosulfan I	ug/L	-	-	0.050 U	-	-	0.050 U	-
Endosulfan II	ug/L	-	-	0.050 U	-	-	0.050 U	-
Endosulfan sulfate	ug/L	-	-	0.050 U	-	-	0.050 U	-
Endrin	ug/L	-	-	0.050 U	-	-	0.050 U	-
Endrin aldehyde	ug/L	-	-	0.050 U	-	-	0.050 U	-
Endrin ketone	ug/L	-	-	0.050 U	-	-	0.050 U	-
gamma-BHC (Lindane)	ug/L	-	-	0.050 U	-	-	0.050 U	-
Heptachlor	ug/L	-	-	0.050 U	-	-	0.050 U	-
Heptachlor epoxide	ug/L	-	-	0.050 U	-	-	0.050 U	-
Methoxychlor	ug/L	-	-	0.10 U	-	-	0.10 U	-
Toxaphene	ug/L	-	-	2.0 U	-	-	2.0 U	-
Petroleum Products								
Total Petroleum Hydrocarbons - extractable (DRO)	ug/L	-	100 UJ	-	-	100 UJ	-	-
Total Petroleum Hydrocarbons (C21-C28)	mg/L	0.5 U	-	0.49 U	0.47 U	-	0.47 U	0.47 U
General Chemsitry								
Phenolics (Total)	mg/L	-	-	0.010 U	-	-	0.010 U	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*SMW-1*	*SMW-2*	*SMW-2*	*SMW-2*	*VRI-1*	*VRI-1*	*VRI-1*
Sample ID:		*GW-18631-093009-BP-002*	*GW-18631-RW-012*	*GW-18631-RW-16*	*GW-18631-093009-BP-004*	*GW-18631-RW-024*	*GW-18631-RW-06*	*GW-18631-RW-07*
Sample Date:		*9/30/2009*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*	*4/2/2002*	*4/2/2002*
								Duplicate
Parameters	*Units*							
Volatiles								
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
1,2,3-Trichloropropane	ug/L	-	-	-	-	-	25 U	50 U
1,2,4-Trichlorobenzene	ug/L	1.0 U	-	-	1.0 U	-	-	-
1,2,4-Trimethylbenzene	ug/L	-	-	-	-	-	**1500**	**1100**
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U	-	-	1.0 U	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	1.0 U	-	-	1.0 U	-	-	-
1,2-Dichlorobenzene	ug/L	1.0 U	-	-	1.0 U	-	-	-
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
1,3,5-Trimethylbenzene	ug/L	-	-	-	-	-	**510**	**370**
1,3-Dichlorobenzene	ug/L	1.0 U	-	-	1.0 U	-	-	-
1,4-Dichlorobenzene	ug/L	1.0 U	-	-	1.0 U	-	-	-
2-Butanone (Methyl Ethyl Ketone)	ug/L	5.0 U	5.0 U	5 U	5.0 U	100 UJ	120 UJ	250 UJ
2-Hexanone	ug/L	5.0 U	5.0 U	5 UJ	5.0 U	100 UJ	120 UJ	250 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	5.0 U	5.0 U	5 U	5.0 U	100 U	120 U	250 U
Acetone	ug/L	5.0 U	10 UJ	10 UJ	3.3 J	200 UJ	250 UJ	500 UJ
Benzene	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
Bromoform	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
Bromomethane (Methyl Bromide)	ug/L	1.0 UJ	1.0 U	2 U	1.0 UJ	20 U	50 U	100 U
Carbon disulfide	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
Chloroethane	ug/L	1.0 U	2.0 U	2 U	1.0 U	40 UJ	50 U	100 UJ
Chloroform (Trichloromethane)	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
Chloromethane (Methyl Chloride)	ug/L	1.0 U	2.0 U	2 UJ	1.0 U	40 U	50 U	100 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
Cyclohexane	ug/L	1.0 U	-	-	1.0 U	-	-	-
Dibromochloromethane	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
Dichlorodifluoromethane (CFC-12)	ug/L	1.0 U	-	-	1.0 U	-	-	-
Ethylbenzene	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
Isopropylbenzene	ug/L	1.0 U	-	-	1.0 U	-	**85 J**	**39 J**
Methyl acetate	ug/L	1.0 U	-	-	1.0 U	-	-	-
Methyl cyclohexane	ug/L	1.0 U	-	-	1.0 U	-	-	-
Methyl Tert Butyl Ether	ug/L	1.0 U	-	-	1.0 U	-	-	-
Methylene chloride	ug/L	0.32 J	2.0 U	2 U	0.17 J	40 U	50 U	**380 J**
n-Propylbenzene	ug/L	-	-	-	-	-	**110 J**	**940 J**
Styrene	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
Toluene	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1 U	1.0 U	20 U	25 U	50 U
Trichloroethene	ug/L	0.43 J	1.0 U	1 U	0.16 J	20 U	25 U	50 U
Trichlorofluoromethane (CFC-11)	ug/L	1.0 U	-	-	1.0 U	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/L	1.0 U	-	-	1.0 U	-	-	-
Vinyl chloride	ug/L	1.0 U	2.0 U	2 U	1.0 U	40 U	50 U	100 U
Xylene (total)	ug/L	3.0 U	3.0 U	3 U	3.0 U	**670**	**880 J**	**510 J**

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*SMW-1*	*SMW-2*	*SMW-2*	*SMW-2*	*VRI-1*	*VRI-1*	*VRI-1*
Sample ID:		*GW-18631-093009-BP-002*	*GW-18631-RW-012*	*GW-18631-RW-16*	*GW-18631-093009-BP-004*	*GW-18631-RW-024*	*GW-18631-RW-06*	*GW-18631-RW-07*
Sample Date:		*9/30/2009*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*	*4/2/2002*	*4/2/2002*
								Duplicate
Parameters	*Units*							
Semi-volatiles								
1,2,4-Trichlorobenzene	ug/L	-	10 U	10 U	-	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	-	10 U	10 U	-	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	-	10 U	10 U	-	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	-	10 U	10 U	-	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	-	10 U	10 U	-	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	2.0 U	-	-	1.9 U	-	-	-
2,4,5-Trichlorophenol	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	50 U	50 U	50 UJ	48 U	50 U	50 UJ	50 UJ
2,4-Dinitrotoluene	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
2-Chloronaphthalene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
2-Methylphenol	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	50 U	50 U	50 U	48 U	50 U	50 U	50 U
2-Nitrophenol	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	9.9 U	50 U	50 R	9.7 U	50 U	50 U	50 U
3-Nitroaniline	ug/L	50 U	50 U	50 U	48 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	50 U	50 U	50 UJ	48 U	50 U	50 UJ	50 UJ
4-Bromophenyl phenyl ether	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
4-Methylphenol	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	50 U	50 U	50 U	48 U	50 U	50 U	50 U
4-Nitrophenol	ug/L	50 U	50 U	50 U	48 U	50 UJ	50 U	50 U
Acenaphthene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Acenaphthylene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Acetophenone	ug/L	9.9 U	-	-	9.7 U	-	-	-
Anthracene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Atrazine	ug/L	9.9 U	-	-	9.7 U	-	-	-
Benzaldehyde	ug/L	9.9 U	-	-	9.7 U	-	-	-
Benzo(a)anthracene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Biphenyl (1,1-Biphenyl)	ug/L	9.9 U	-	-	9.7 U	-	-	-
bis(2-Chloroethoxy)methane	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
Butyl benzylphthalate	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
Caprolactam	ug/L	50 U	-	-	48 U	-	-	-
Carbazole	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Chrysene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Dibenzofuran	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
Diethyl phthalate	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
Dimethyl phthalate	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
Di-n-octyl phthalate	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*SMW-1*	*SMW-2*	*SMW-2*	*SMW-2*	*VRI-1*	*VRI-1*	*VRI-1*
Sample ID:		*GW-18631-093009-BP-002*	*GW-18631-RW-012*	*GW-18631-RW-16*	*GW-18631-093009-BP-004*	*GW-18631-RW-024*	*GW-18631-RW-06*	*GW-18631-RW-07*
Sample Date:		*9/30/2009*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*	*4/2/2002*	*4/2/2002* *Duplicate*
Parameters	***Units***							
Fluoranthene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Fluorene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	9.9 U	50 U	50 U	9.7 U	50 U	50 U	50 U
Hexachloroethane	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Isophorone	ug/L	9.9 U	10 U	10 U	9.7 U	10 U	10 U	10 U
Naphthalene	ug/L	2.0 U	10 U	10 U	1.9 U	2.7 J	5 J	4.8 J
Nitrobenzene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
N-Nitrosodi-n-propylamine	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	9.9 U	50 U	50 U	9.7 U	50 U	50 U	50 U
Phenanthrene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Phenol	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Pyrene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U	10 U
Metals								
Aluminum	ug/L	-	72.7 U	200 U	-	251	76.2	200 U
Antimony	ug/L	-	4.1 U	60 U	-	4.1 U	60 U	60 U
Arsenic	ug/L	-	2.0 U	10 U	-	2.0 U	10 U	10 U
Barium	ug/L	-	41.2	48.3	-	45.2	43.9	42.5
Beryllium	ug/L	-	0.23 U	5 U	-	0.090 U	5 U	5 U
Cadmium	ug/L	-	0.63 U	5 U	-	0.63 U	5 U	5 U
Calcium	ug/L	-	119000 J	139000	-	120000	134000	131000
Chromium Total	ug/L	-	**133**	**212**	-	1.8	10 U	10 U
Cobalt	ug/L	-	2.6 U	50 U	-	2.6 U	50 U	50 U
Copper	ug/L	-	6.3 U	8.7	-	2.6 U	1.3	25 U
Cyanide (total)	ug/L	-	10.0 U	-	-	10.0 U	-	-
Iron	ug/L	-	**1640**	**2000**	-	**336**	88.2	56.5
Lead	ug/L	-	1.8 U	3 U	-	1.8 U	3 U	3 U
Magnesium	ug/L	-	12300	14500	-	16000	16600	16400
Manganese	ug/L	-	21.0	6.2	-	209	**538**	**525**
Mercury	ug/L	-	0.085 U	0.2 U	-	0.054 U	0.2 U	0.2 U
Nickel	ug/L	-	36.5	40	-	7.9 U	2.5	2.4
Potassium	ug/L	-	772 U	691	-	1780 U	872	890
Selenium	ug/L	-	3.2 U	5 U	-	3.2 U	5 U	5 U
Silver	ug/L	-	0.75 U	10 U	-	0.80	10 U	10 U
Sodium	ug/L	-	**55400**	**52500**	-	7450	3340	3260
Thallium	ug/L	-	7.0 U	10 U	-	5.7 U	10 U	10 U
Vanadium	ug/L	-	4.1 U	50 U	-	6.4 U	50 U	50 U
Zinc	ug/L	-	3.2 U	20 U	-	3.2 U	20 U	20 U
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Aroclor-1221 (PCB-1221)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Aroclor-1232 (PCB-1232)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Aroclor-1242 (PCB-1242)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Aroclor-1248 (PCB-1248)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Aroclor-1254 (PCB-1254)	ug/L	-	1.0 U	-	-	1.0 U	-	-
Aroclor-1260 (PCB-1260)	ug/L	-	1.0 U	-	-	1.0 U	-	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*SMW-1*	*SMW-2*	*SMW-2*	*SMW-2*	*VRI-1*	*VRI-1*	*VRI-1*
Sample ID:		*GW-18631-093009-BP-002*	*GW-18631-RW-012*	*GW-18631-RW-16*	*GW-18631-093009-BP-004*	*GW-18631-RW-024*	*GW-18631-RW-06*	*GW-18631-RW-07*
Sample Date:		*9/30/2009*	*10/17/2001*	*4/3/2002*	*9/30/2009*	*10/18/2001*	*4/2/2002*	*4/2/2002*
								Duplicate
Parameters	***Units***							
Pesticides								
4,4'-DDD	ug/L	-	0.050 U	-	-	0.050 U	-	-
4,4'-DDE	ug/L	-	0.050 U	-	-	0.050 U	-	-
4,4'-DDT	ug/L	-	0.050 U	-	-	0.050 U	-	-
Aldrin	ug/L	-	0.050 U	-	-	0.050 U	-	-
alpha-BHC	ug/L	-	0.050 U	-	-	0.050 U	-	-
beta-BHC	ug/L	-	0.050 U	-	-	0.050 U	-	-
Chlordane	ug/L	-	0.50 U	-	-	0.50 U	-	-
delta-BHC	ug/L	-	0.050 U	-	-	0.050 U	-	-
Dieldrin	ug/L	-	0.050 U	-	-	**0.0051 J**	-	-
Endosulfan I	ug/L	-	0.050 U	-	-	0.050 U	-	-
Endosulfan II	ug/L	-	0.050 U	-	-	0.050 U	-	-
Endosulfan sulfate	ug/L	-	0.050 U	-	-	0.050 U	-	-
Endrin	ug/L	-	0.050 U	-	-	0.026 J	-	-
Endrin aldehyde	ug/L	-	0.050 U	-	-	0.050 U	-	-
Endrin ketone	ug/L	-	0.050 U	-	-	0.050 U	-	-
gamma-BHC (Lindane)	ug/L	-	0.050 U	-	-	0.050 U	-	-
Heptachlor	ug/L	-	0.050 U	-	-	0.050 U	-	-
Heptachlor epoxide	ug/L	-	0.050 U	-	-	0.050 U	-	-
Methoxychlor	ug/L	-	0.10 U	-	-	0.10 U	-	-
Toxaphene	ug/L	-	2.0 U	-	-	2.0 U	-	-
Petroleum Products								
Total Petroleum Hydrocarbons - extractable (DRO)	ug/L	100 UJ	-	-	100 UJ	-	-	-
Total Petroleum Hydrocarbons (C21-C28)	mg/L	-	0.47 U	0.47 U	-	6.8	4.3	4.6
General Chemsitry								
Phenolics (Total)	mg/L	-	0.010 U	-	-	0.010 U	-	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-1*	*VRI-2*	*VRI-2*	*VRI-2*	*VRI-3*	*VRI-3*
Sample ID:		*GW-18631-100509-BP-014*	*GW-18631-RW-023*	*GW-18631-RW-09*	*GW-18631-100609-BP-018*	*GW-18631-RW-002*	*GW-18631-RW-02*
Sample Date:		*10/5/2009*	*10/18/2001*	*4/2/2002*	*10/6/2009*	*10/16/2001*	*4/2/2002*
Parameters	***Units***						
Volatiles							
1,1,1-Trichloroethane	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,2,3-Trichloropropane	ug/L	400 U	-	1 U	1.0 U	-	1 U
1,2,4-Trichlorobenzene	ug/L	400 U	-	-	1.0 U	-	-
1,2,4-Trimethylbenzene	ug/L	**14000**	-	1 U	1.0 U	-	1 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	400 U	-	-	1.0 U	-	-
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	400 U	-	-	1.0 U	-	-
1,2-Dichlorobenzene	ug/L	400 U	-	-	1.0 U	-	-
1,2-Dichloroethane	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,2-Dichloropropane	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
1,3,5-Trimethylbenzene	ug/L	**5400**	-	1 U	1.0 U	-	1 U
1,3-Dichlorobenzene	ug/L	400 U	-	-	1.0 U	-	-
1,4-Dichlorobenzene	ug/L	400 U	-	-	1.0 U	-	-
2-Butanone (Methyl Ethyl Ketone)	ug/L	2000 U	5.0 U	5 UJ	5.0 U	5.0 U	5 UJ
2-Hexanone	ug/L	2000 U	5.0 U	5 UJ	5.0 U	5.0 U	5 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	2000 U	5.0 U	5 U	5.0 U	5.0 U	5 U
Acetone	ug/L	2000 U	10 UJ	10 UJ	3.2 J	10 UJ	10 UJ
Benzene	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Bromodichloromethane	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Bromoform	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Bromomethane (Methyl Bromide)	ug/L	400 U	1.0 U	2 U	1.0 U	1.0 U	2 U
Carbon disulfide	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 UJ	1 U
Chlorobenzene	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Chloroethane	ug/L	400 U	2.0 U	2 U	1.0 U	2.0 UJ	2 U
Chloroform (Trichloromethane)	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Chloromethane (Methyl Chloride)	ug/L	400 U	2.0 U	2 U	1.0 U	2.0 U	2 U
cis-1,2-Dichloroethene	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropene	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Cyclohexane	ug/L	400 U	-	-	1.0 U	-	-
Dibromochloromethane	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Dichlorodifluoromethane (CFC-12)	ug/L	400 U	-	-	1.0 U	-	-
Ethylbenzene	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Isopropylbenzene	ug/L	**820**	-	1 U	1.0 U	-	1 U
Methyl acetate	ug/L	400 U	-	-	1.0 U	-	-
Methyl cyclohexane	ug/L	400 U	-	-	1.0 U	-	-
Methyl Tert Butyl Ether	ug/L	400 U	-	-	1.0 U	-	-
Methylene chloride	ug/L	400 U	2.0 U	2 U	0.71 J	2.0 U	2 U
n-Propylbenzene	ug/L	**870**	-	1 U	1.0 U	-	1 U
Styrene	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Tetrachloroethene	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Toluene	ug/L	400 U	1.0 U	0.34 J	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Trichloroethene	ug/L	400 U	1.0 U	1 U	1.0 U	1.0 U	1 U
Trichlorofluoromethane (CFC-11)	ug/L	400 U	-	-	1.0 U	-	-
Trifluorotrichloroethane (Freon 113)	ug/L	400 U	-	-	1.0 U	-	-
Vinyl chloride	ug/L	400 U	2.0 U	2 U	1.0 U	2.0 U	2 U
Xylene (total)	ug/L	**8700**	3.0 U	3 U	3.0 U	3.0 U	3 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-1*	*VRI-2*	*VRI-2*	*VRI-2*	*VRI-3*	*VRI-3*
Sample ID:		*GW-18631-100509-BP-014*	*GW-18631-RW-023*	*GW-18631-RW-09*	*GW-18631-100609-BP-018*	*GW-18631-RW-002*	*GW-18631-RW-02*
Sample Date:		*10/5/2009*	*10/18/2001*	*4/2/2002*	*10/6/2009*	*10/16/2001*	*4/2/2002*
Parameters	***Units***						
Semi-volatiles							
1,2,4-Trichlorobenzene	ug/L	-	10 U	10 U	-	10 U	10 U
1,2-Dichlorobenzene	ug/L	-	10 U	10 U	-	10 U	10 U
1,3-Dichlorobenzene	ug/L	-	10 U	10 U	-	10 U	10 U
1,4-Dichlorobenzene	ug/L	-	10 U	10 U	-	10 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	-	10 U	10 U	-	10 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	2.0 U	-	-	1.9 U	-	-
2,4,5-Trichlorophenol	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
2,4-Dichlorophenol	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
2,4-Dimethylphenol	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
2,4-Dinitrophenol	ug/L	50 U	50 U	50 UJ	47 U	50 U	50 UJ
2,4-Dinitrotoluene	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
2-Chloronaphthalene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
2-Chlorophenol	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
2-Methylnaphthalene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
2-Methylphenol	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
2-Nitroaniline	ug/L	50 U	50 U	50 U	47 U	50 U	50 U
2-Nitrophenol	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	9.9 U	50 U	50 U	9.4 U	50 U	50 U
3-Nitroaniline	ug/L	50 U	50 U	50 U	47 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	50 U	50 U	50 UJ	47 U	50 U	50 UJ
4-Bromophenyl phenyl ether	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
4-Chloroaniline	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
4-Chlorophenyl phenyl ether	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
4-Methylphenol	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
4-Nitroaniline	ug/L	50 U	50 U	50 U	47 U	50 U	50 U
4-Nitrophenol	ug/L	50 U	50 UJ	50 U	47 U	50 U	50 U
Acenaphthene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Acenaphthylene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Acetophenone	ug/L	9.9 U	-	-	9.4 U	-	-
Anthracene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Atrazine	ug/L	9.9 U	-	-	9.4 U	-	-
Benzaldehyde	ug/L	9.9 U	-	-	9.4 U	-	-
Benzo(a)anthracene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Benzo(a)pyrene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Biphenyl (1,1-Biphenyl)	ug/L	9.9 U	-	-	9.4 U	-	-
bis(2-Chloroethoxy)methane	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
bis(2-Chloroethyl)ether	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
Butyl benzylphthalate	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
Caprolactam	ug/L	50 U	-	-	47 U	-	-
Carbazole	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Chrysene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Dibenzofuran	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
Diethyl phthalate	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
Dimethyl phthalate	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
Di-n-butylphthalate	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
Di-n-octyl phthalate	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-1*	*VRI-2*	*VRI-2*	*VRI-2*	*VRI-3*	*VRI-3*
Sample ID:		*GW-18631-100509-BP-014*	*GW-18631-RW-023*	*GW-18631-RW-09*	*GW-18631-100609-BP-018*	*GW-18631-RW-002*	*GW-18631-RW-02*
Sample Date:		*10/5/2009*	*10/18/2001*	*4/2/2002*	*10/6/2009*	*10/16/2001*	*4/2/2002*
Parameters	***Units***						
Fluoranthene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Fluorene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Hexachlorobenzene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Hexachlorobutadiene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	9.9 U	50 U	50 U	9.4 U	50 U	50 U
Hexachloroethane	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Isophorone	ug/L	9.9 U	10 U	10 U	9.4 U	10 U	10 U
Naphthalene	ug/L	6.4	10 U	10 U	1.9 U	10 U	10 U
Nitrobenzene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
N-Nitrosodi-n-propylamine	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
N-Nitrosodiphenylamine	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Pentachlorophenol	ug/L	9.9 U	50 U	50 U	9.4 U	50 U	50 U
Phenanthrene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Phenol	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Pyrene	ug/L	2.0 U	10 U	10 U	1.9 U	10 U	10 U
Metals							
Aluminum	ug/L	-	124	200 U	-	950	2900
Antimony	ug/L	-	4.1 U	60 U	-	4.1 U	60 U
Arsenic	ug/L	-	2.0 U	10 U	-	2.0 U	10 U
Barium	ug/L	-	40.4	43.8	-	49.0	59.9
Beryllium	ug/L	-	0.12 U	5 U	-	0.080 U	5 U
Cadmium	ug/L	-	0.63 U	5 U	-	0.63 U	5 U
Calcium	ug/L	-	123000	123000	-	114000 J	125000
Chromium Total	ug/L	-	2.5	10 U	-	3.1	10 U
Cobalt	ug/L	-	2.6 U	50 U	-	2.6 U	50 U
Copper	ug/L	-	7.4 U	25 U	-	2.9	5.2
Cyanide (total)	ug/L	-	10.0 U	-	-	10.0 U	-
Iron	ug/L	-	157	100 U	-	**1470**	**4220**
Lead	ug/L	-	1.8 U	3 U	-	1.8 U	3 U
Magnesium	ug/L	-	15200	16500	-	16900	17700
Manganese	ug/L	-	19.4	3.8	-	47.1	93.3
Mercury	ug/L	-	0.054 U	0.2 U	-	0.44	0.2 U
Nickel	ug/L	-	7.9 U	40 U	-	7.9 U	4.3
Potassium	ug/L	-	1650 U	645	-	2250	1550
Selenium	ug/L	-	3.2 U	5 U	-	3.2 U	5 U
Silver	ug/L	-	0.75 U	10 U	-	0.75 U	10 U
Sodium	ug/L	-	9850	7460	-	8420	9270
Thallium	ug/L	-	**11.0**	10 U	-	5.7 U	10 U
Vanadium	ug/L	-	7.4 U	50 U	-	4.7	6
Zinc	ug/L	-	5.5	20 U	-	31.0 U	13.7
PCBs							
Aroclor-1016 (PCB-1016)	ug/L	-	1.0 U	-	-	1.0 U	-
Aroclor-1221 (PCB-1221)	ug/L	-	1.0 U	-	-	1.0 U	-
Aroclor-1232 (PCB-1232)	ug/L	-	1.0 U	-	-	1.0 U	-
Aroclor-1242 (PCB-1242)	ug/L	-	1.0 U	-	-	1.0 U	-
Aroclor-1248 (PCB-1248)	ug/L	-	1.0 U	-	-	1.0 U	-
Aroclor-1254 (PCB-1254)	ug/L	-	1.0 U	-	-	1.0 U	-
Aroclor-1260 (PCB-1260)	ug/L	-	1.0 U	-	-	1.0 U	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-1*	*VRI-2*	*VRI-2*	*VRI-2*	*VRI-3*	*VRI-3*
Sample ID:		*GW-18631-100509-BP-014*	*GW-18631-RW-023*	*GW-18631-RW-09*	*GW-18631-100609-BP-018*	*GW-18631-RW-002*	*GW-18631-RW-02*
Sample Date:		*10/5/2009*	*10/18/2001*	*4/2/2002*	*10/6/2009*	*10/16/2001*	*4/2/2002*
Parameters	***Units***						
Pesticides							
4,4'-DDD	ug/L	-	0.050 U	-	-	0.050 U	-
4,4'-DDE	ug/L	-	0.050 U	-	-	0.050 U	-
4,4'-DDT	ug/L	-	0.050 U	-	-	0.050 U	-
Aldrin	ug/L	-	0.050 U	-	-	0.050 U	-
alpha-BHC	ug/L	-	0.050 U	-	-	0.050 U	-
beta-BHC	ug/L	-	0.050 U	-	-	0.050 U	-
Chlordane	ug/L	-	0.50 U	-	-	0.50 U	-
delta-BHC	ug/L	-	0.050 U	-	-	0.050 U	-
Dieldrin	ug/L	-	0.050 U	-	-	0.050 U	-
Endosulfan I	ug/L	-	0.050 U	-	-	0.050 U	-
Endosulfan II	ug/L	-	0.050 U	-	-	0.050 U	-
Endosulfan sulfate	ug/L	-	0.050 U	-	-	0.050 U	-
Endrin	ug/L	-	0.050 U	-	-	0.050 U	-
Endrin aldehyde	ug/L	-	0.050 U	-	-	0.050 U	-
Endrin ketone	ug/L	-	0.050 U	-	-	0.050 U	-
gamma-BHC (Lindane)	ug/L	-	0.050 U	-	-	0.050 U	-
Heptachlor	ug/L	-	0.050 U	-	-	0.050 U	-
Heptachlor epoxide	ug/L	-	0.050 U	-	-	0.050 U	-
Methoxychlor	ug/L	-	0.10 U	-	-	0.10 U	-
Toxaphene	ug/L	-	2.0 U	-	-	2.0 U	-
Petroleum Products							
Total Petroleum Hydrocarbons - extractable (DRO)	ug/L	36000	-	-	100 U	-	-
Total Petroleum Hydrocarbons (C21-C28)	mg/L	-	0.46 U	0.47 U	-	0.47 U	0.48 U
General Chemsitry							
Phenolics (Total)	mg/L	-	0.010 U	-	-	0.010 U	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-3*	*VRI-4*	*VRI-4*	*VRI-4*	*VRI-5*	*VRI-5*
Sample ID:		*GW-18631-093009-RR-005*	*GW-18631-RW-001*	*GW-18631-RW-01*	*GW-18631-093009-RR-007*	*GW-112701-BP-001*	*GW-18631-RW-23*
Sample Date:		*9/30/2009*	*10/16/2001*	*4/2/2002*	*9/30/2009*	*11/29/2001*	*4/4/2002*
Parameters	***Units***						
Volatiles							
1,1,1-Trichloroethane	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
1,1,2,2-Tetrachloroethane	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 UJ
1,1,2-Trichloroethane	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
1,1-Dichloroethane	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
1,1-Dichloroethene	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
1,2,3-Trichloropropane	ug/L	4.0 U	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	4.0 U	-	-	1.0 U	-	-
1,2,4-Trimethylbenzene	ug/L	**15**	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	4.0 U	-	-	1.0 U	-	-
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	4.0 U	-	-	1.0 U	-	-
1,2-Dichlorobenzene	ug/L	4.0 U	-	-	1.0 U	-	-
1,2-Dichloroethane	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
1,2-Dichloropropane	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/L	**11**	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	4.0 U	-	-	1.0 U	-	-
1,4-Dichlorobenzene	ug/L	4.0 U	-	-	1.0 U	-	-
2-Butanone (Methyl Ethyl Ketone)	ug/L	20 U	5.0 U	5 UJ	5.0 U	5 U	5 U
2-Hexanone	ug/L	20 U	5.0 U	5 UJ	5.0 U	5 U	5 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	20 U	5.0 U	5 U	5.0 U	5 U	5 U
Acetone	ug/L	20 U	10 UJ	10 UJ	5.0 U	38 J	10 UJ
Benzene	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
Bromodichloromethane	ug/L	4.0 U	1.0 U	1 U	1.1	1 U	1 U
Bromoform	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
Bromomethane (Methyl Bromide)	ug/L	4.0 UJ	1.0 U	2 U	1.0 UJ	2 UJ	2 U
Carbon disulfide	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
Carbon tetrachloride	ug/L	4.0 U	1.0 UJ	1 U	1.0 U	1 U	1 U
Chlorobenzene	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
Chloroethane	ug/L	4.0 U	2.0 UJ	2 U	1.0 U	2 U	2 U
Chloroform (Trichloromethane)	ug/L	4.0 U	1.0 U	1 U	2.7	0.56 J	1 U
Chloromethane (Methyl Chloride)	ug/L	4.0 U	2.0 U	2 U	1.0 U	2 U	2 U
cis-1,2-Dichloroethene	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
cis-1,3-Dichloropropene	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
Cyclohexane	ug/L	4.0 U	-	-	1.0 U	-	-
Dibromochloromethane	ug/L	4.0 U	1.0 U	1 U	0.44 J	1 U	1 U
Dichlorodifluoromethane (CFC-12)	ug/L	4.0 U	-	-	1.0 U	-	-
Ethylbenzene	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
Isopropylbenzene	ug/L	**84**	-	-	1.0 U	-	-
Methyl acetate	ug/L	4.0 U	-	-	1.0 U	-	-
Methyl cyclohexane	ug/L	4.0 U	-	-	1.0 U	-	-
Methyl Tert Butyl Ether	ug/L	4.0 U	-	-	1.0 U	-	-
Methylene chloride	ug/L	4.0 U	2.0 U	2 U	1.0 U	2 U	2 U
n-Propylbenzene	ug/L	**13**	-	-	-	-	-
Styrene	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 UJ
Tetrachloroethene	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
Toluene	ug/L	4.0 U	1.0 U	1 U	0.28 J	0.25 J	0.3 J
trans-1,2-Dichloroethene	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
trans-1,3-Dichloropropene	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
Trichloroethene	ug/L	4.0 U	1.0 U	1 U	1.0 U	1 U	1 U
Trichlorofluoromethane (CFC-11)	ug/L	4.0 U	-	-	1.0 U	-	-
Trifluorotrichloroethane (Freon 113)	ug/L	4.0 U	-	-	1.0 U	-	-
Vinyl chloride	ug/L	4.0 U	2.0 U	2 U	1.0 U	2 U	2 U
Xylene (total)	ug/L	12 U	3.0 U	3 U	3.0 U	3 U	3 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-3*	*VRI-4*	*VRI-4*	*VRI-4*	*VRI-5*	*VRI-5*
Sample ID:		*GW-18631-093009-RR-005*	*GW-18631-RW-001*	*GW-18631-RW-01*	*GW-18631-093009-RR-007*	*GW-112701-BP-001*	*GW-18631-RW-23*
Sample Date:		*9/30/2009*	*10/16/2001*	*4/2/2002*	*9/30/2009*	*11/29/2001*	*4/4/2002*
Parameters	***Units***						
Semi-volatiles							
1,2,4-Trichlorobenzene	ug/L	-	10 U	10 U	-	50 U	10 U
1,2-Dichlorobenzene	ug/L	-	10 U	10 U	-	50 U	10 U
1,3-Dichlorobenzene	ug/L	-	10 U	10 U	-	50 U	10 U
1,4-Dichlorobenzene	ug/L	-	10 U	10 U	-	50 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	-	10 U	10 U	-	50 U	10 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	2.1 U	-	-	2.2 U	-	-
2,4,5-Trichlorophenol	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
2,4-Dichlorophenol	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
2,4-Dinitrophenol	ug/L	53 U	50 U	50 UJ	56 U	250 U	50 UJ
2,4-Dinitrotoluene	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
2-Chloronaphthalene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
2-Chlorophenol	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
2-Methylnaphthalene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
2-Methylphenol	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
2-Nitroaniline	ug/L	53 U	50 U	50 U	56 U	250 U	50 U
2-Nitrophenol	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	50 U	50 U	11 U	250 U	50 R
3-Nitroaniline	ug/L	53 U	50 U	50 U	56 U	250 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	53 U	50 U	50 UJ	56 U	250 U	50 UJ
4-Bromophenyl phenyl ether	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
4-Chloroaniline	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
4-Chlorophenyl phenyl ether	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
4-Methylphenol	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
4-Nitroaniline	ug/L	53 U	50 U	50 U	56 U	250 U	50 U
4-Nitrophenol	ug/L	53 U	50 U	50 U	56 U	250 U	50 U
Acenaphthene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Acenaphthylene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Acetophenone	ug/L	11 U	-	-	11 U	-	-
Anthracene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Atrazine	ug/L	11 U	-	-	11 U	-	-
Benzaldehyde	ug/L	11 U	-	-	11 U	-	-
Benzo(a)anthracene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Benzo(a)pyrene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Benzo(b)fluoranthene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Benzo(g,h,i)perylene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Benzo(k)fluoranthene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Biphenyl (1,1-Biphenyl)	ug/L	11 U	-	-	11 U	-	-
bis(2-Chloroethoxy)methane	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
bis(2-Chloroethyl)ether	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
Butyl benzylphthalate	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
Caprolactam	ug/L	53 U	-	-	56 U	-	-
Carbazole	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Chrysene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Dibenz(a,h)anthracene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Dibenzofuran	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
Diethyl phthalate	ug/L	11 U	10 U	10 U	1.2 J	50 U	10 U
Dimethyl phthalate	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
Di-n-octyl phthalate	ug/L	11 U	10 U	10 U	11 U	50 U	10 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-3*	*VRI-4*	*VRI-4*	*VRI-4*	*VRI-5*	*VRI-5*
Sample ID:		*GW-18631-093009-RR-005*	*GW-18631-RW-001*	*GW-18631-RW-01*	*GW-18631-093009-RR-007*	*GW-112701-BP-001*	*GW-18631-RW-23*
Sample Date:		*9/30/2009*	*10/16/2001*	*4/2/2002*	*9/30/2009*	*11/29/2001*	*4/4/2002*
Parameters	***Units***						
Fluoranthene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Fluorene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Hexachlorobenzene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Hexachlorobutadiene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	50 U	50 U	11 U	250 UJ	50 U
Hexachloroethane	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Isophorone	ug/L	11 U	10 U	10 U	11 U	50 U	10 U
Naphthalene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Nitrobenzene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
N-Nitrosodi-n-propylamine	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
N-Nitrosodiphenylamine	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Pentachlorophenol	ug/L	11 U	50 U	50 U	11 U	250 U	50 U
Phenanthrene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Phenol	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Pyrene	ug/L	2.1 U	10 U	10 U	2.2 U	50 U	10 U
Metals							
Aluminum	ug/L	-	3470	6490	-	75100	4230
Antimony	ug/L	-	4.1 U	60 U	-	4.1 U	60 U
Arsenic	ug/L	-	2.0 U	4	-	**54.1**	19.6
Barium	ug/L	-	73.5	96.4	-	**1110**	198
Beryllium	ug/L	-	0.18 U	5 U	-	2.6	5 U
Cadmium	ug/L	-	0.63 U	5 U	-	0.63 U	5 U
Calcium	ug/L	-	120000 J	134000	-	1030000	112000
Chromium Total	ug/L	-	6.3	11.3	-	**112**	23.6 J
Cobalt	ug/L	-	2.6 U	4.2	-	55	50 U
Copper	ug/L	-	6.3	11	-	**202**	9.2
Cyanide (total)	ug/L	-	10.0 U	-	-	10 U	-
Iron	ug/L	-	**5990**	**10600**	-	**130000**	**5340 J**
Lead	ug/L	-	1.8 U	4.6	-	**57.3**	5 U
Magnesium	ug/L	-	18200	19000	-	**114000**	24400
Manganese	ug/L	-	**384**	**814**	-	**3270**	216
Mercury	ug/L	-	0.096 U	0.2 U	-	0.19	0.2 U
Nickel	ug/L	-	12.2	12.6	-	**110**	11.9
Potassium	ug/L	-	4220	3920	-	17600	2990
Selenium	ug/L	-	3.2 U	5 U	-	3.2 U	5 U
Silver	ug/L	-	0.75 U	10 U	-	0.75 U	10 U
Sodium	ug/L	-	12200	16100	-	**29200**	10000 J
Thallium	ug/L	-	5.7 U	10 U	-	5.7 U	10 U
Vanadium	ug/L	-	6.6	15.2	-	124	9.5
Zinc	ug/L	-	27.4 U	29.5	-	523	32.8
PCBs							
Aroclor-1016 (PCB-1016)	ug/L	-	1.0 U	-	-	1 U	-
Aroclor-1221 (PCB-1221)	ug/L	-	1.0 U	-	-	1 U	-
Aroclor-1232 (PCB-1232)	ug/L	-	1.0 U	-	-	1 U	-
Aroclor-1242 (PCB-1242)	ug/L	-	1.0 U	-	-	1 U	-
Aroclor-1248 (PCB-1248)	ug/L	-	1.0 U	-	-	1 U	-
Aroclor-1254 (PCB-1254)	ug/L	-	1.0 U	-	-	1 U	-
Aroclor-1260 (PCB-1260)	ug/L	-	1.0 U	-	-	1 U	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-3*	*VRI-4*	*VRI-4*	*VRI-4*	*VRI-5*	*VRI-5*
Sample ID:		*GW-18631-093009-RR-005*	*GW-18631-RW-001*	*GW-18631-RW-01*	*GW-18631-093009-RR-007*	*GW-112701-BP-001*	*GW-18631-RW-23*
Sample Date:		*9/30/2009*	*10/16/2001*	*4/2/2002*	*9/30/2009*	*11/29/2001*	*4/4/2002*
Parameters	***Units***						
Pesticides							
4,4'-DDD	ug/L	-	0.050 U	-	-	0.05 U	-
4,4'-DDE	ug/L	-	0.050 U	-	-	0.05 U	-
4,4'-DDT	ug/L	-	0.050 U	-	-	0.05 U	-
Aldrin	ug/L	-	0.050 U	-	-	0.05 U	-
alpha-BHC	ug/L	-	0.050 U	-	-	0.05 U	-
beta-BHC	ug/L	-	0.050 U	-	-	0.05 U	-
Chlordane	ug/L	-	0.50 U	-	-	0.5 U	-
delta-BHC	ug/L	-	0.050 U	-	-	0.05 U	-
Dieldrin	ug/L	-	0.050 U	-	-	0.05 U	-
Endosulfan I	ug/L	-	0.050 U	-	-	0.05 U	-
Endosulfan II	ug/L	-	0.050 U	-	-	0.05 U	-
Endosulfan sulfate	ug/L	-	0.050 U	-	-	0.05 U	-
Endrin	ug/L	-	0.050 U	-	-	0.05 U	-
Endrin aldehyde	ug/L	-	0.050 U	-	-	0.05 U	-
Endrin ketone	ug/L	-	0.050 U	-	-	0.05 U	-
gamma-BHC (Lindane)	ug/L	-	0.050 U	-	-	0.05 U	-
Heptachlor	ug/L	-	0.050 U	-	-	0.05 U	-
Heptachlor epoxide	ug/L	-	0.050 U	-	-	0.05 U	-
Methoxychlor	ug/L	-	0.10 U	-	-	0.1 U	-
Toxaphene	ug/L	-	2.0 U	-	-	2 U	-
Petroleum Products							
Total Petroleum Hydrocarbons - extractable (DRO)	ug/L	520	-	-	100 UJ	-	-
Total Petroleum Hydrocarbons (C21-C28)	mg/L	-	0.47 U	0.48 U	-	1.7	2
General Chemsitry							
Phenolics (Total)	mg/L	-	0.010 U	-	-	0.01 U	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-5*	*VRI-6*	*VRI-6*	*VRI-7*	*VRI-7*	*VRI-7*
Sample ID:		*GW-18631-100609-BP-022*	*GW-18631-RW-022*	*GW-18631-100209-RR-019*	*GW-18631-RW-020*	*GW-18631-RW-20*	*GW-18631-100509-RR-021*
Sample Date:		*10/6/2009*	*10/18/2001*	*10/2/2009*	*10/18/2001*	*4/3/2002*	*10/5/2009*
Parameters	***Units***						
Volatiles							
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.3	0.96 J	2.8
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,2,3-Trichloropropane	ug/L	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	1.0 U	-	1.0 U	-	-	1.0 U
1,2,4-Trimethylbenzene	ug/L	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U	-	1.0 U	-	-	1.0 UJ
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	1.0 U	-	1.0 U	-	-	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	-	1.0 U	-	-	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,3,5-Trimethylbenzene	ug/L	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	1.0 U	-	1.0 U	-	-	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	-	1.0 U	-	-	1.0 U
2-Butanone (Methyl Ethyl Ketone)	ug/L	1.4 J	5.0 U	5.0 U	5.0 U	5 U	5.0 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5 UJ	5.0 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5.0 U
Acetone	ug/L	5.0 U	10 UJ	5.0 U	10 UJ	10 UJ	5.0 U
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Bromodichloromethane	ug/L	0.22 J	1.0 U	0.36 J	1.0 U	1 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 UJ
Bromomethane (Methyl Bromide)	ug/L	1.0 U	1.0 U	1.0 UJ	1.0 U	2 U	1.0 U
Carbon disulfide	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Carbon tetrachloride	ug/L	1.0 U	2.1	1.4	1.0 U	1 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Chloroethane	ug/L	1.0 U	2.0 U	1.0 U	2.0 U	2 U	1.0 U
Chloroform (Trichloromethane)	ug/L	0.86 J	2.2	5.0	1.0 U	1 U	1.0 U
Chloromethane (Methyl Chloride)	ug/L	1.0 U	2.0 U	1.0 U	2.0 U	2 UJ	1.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Cyclohexane	ug/L	1.0 U	-	1.0 U	-	-	1.0 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	1.0 U	-	1.0 U	-	-	1.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Isopropylbenzene	ug/L	1.0 U	-	1.0 U	-	-	1.0 U
Methyl acetate	ug/L	1.0 U	-	1.0 U	-	-	1.0 U
Methyl cyclohexane	ug/L	1.0 U	-	1.0 U	-	-	1.0 U
Methyl Tert Butyl Ether	ug/L	1.0 U	-	1.0 U	-	-	1.0 U
Methylene chloride	ug/L	1.0 U	2.0 U	1.0 U	2.0 U	2 U	1.0 U
n-Propylbenzene	ug/L	-	-	-	-	-	-
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	0.45 J	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.5	0.86 J	1.0 U	1 U	1.0 U
Trichlorofluoromethane (CFC-11)	ug/L	1.0 U	-	1.0 U	-	-	1.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	1.0 U	-	1.0 U	-	-	1.0 U
Vinyl chloride	ug/L	1.0 U	2.0 U	1.0 U	2.0 U	2 U	1.0 U
Xylene (total)	ug/L	3.0 U	3.0 U	3.0 U	3.0 U	3 U	3.0 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-5*	*VRI-6*	*VRI-6*	*VRI-7*	*VRI-7*	*VRI-7*
Sample ID:		*GW-18631-100609-BP-022*	*GW-18631-RW-022*	*GW-18631-100209-RR-019*	*GW-18631-RW-020*	*GW-18631-RW-20*	*GW-18631-100509-RR-021*
Sample Date:		*10/6/2009*	*10/18/2001*	*10/2/2009*	*10/18/2001*	*4/3/2002*	*10/5/2009*
Parameters	***Units***						
Semi-volatiles							
1,2,4-Trichlorobenzene	ug/L	-	10 U	-	10 U	10 U	-
1,2-Dichlorobenzene	ug/L	-	10 U	-	10 U	10 U	-
1,3-Dichlorobenzene	ug/L	-	10 U	-	10 U	10 U	-
1,4-Dichlorobenzene	ug/L	-	10 U	-	10 U	10 U	-
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	-	10 U	-	10 U	10 U	-
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	2.3 U	-	2.4 U	-	-	2.0 U
2,4,5-Trichlorophenol	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
2,4-Dichlorophenol	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
2,4-Dimethylphenol	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
2,4-Dinitrophenol	ug/L	57 U	50 U	59 U	50 U	50 UJ	49 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
2-Chloronaphthalene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
2-Chlorophenol	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
2-Methylnaphthalene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
2-Methylphenol	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
2-Nitroaniline	ug/L	57 U	50 U	59 U	50 U	50 U	49 U
2-Nitrophenol	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
3,3'-Dichlorobenzidine	ug/L	11 U	50 U	12 U	50 U	50 R	9.8 U
3-Nitroaniline	ug/L	57 U	50 U	59 U	50 U	50 U	49 U
4,6-Dinitro-2-methylphenol	ug/L	57 U	50 U	59 U	50 U	50 UJ	49 U
4-Bromophenyl phenyl ether	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
4-Chloroaniline	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
4-Chlorophenyl phenyl ether	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
4-Methylphenol	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
4-Nitroaniline	ug/L	57 U	50 U	59 U	50 U	50 U	49 U
4-Nitrophenol	ug/L	57 U	50 UJ	59 U	50 UJ	50 U	49 U
Acenaphthene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Acenaphthylene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Acetophenone	ug/L	11 U	-	12 U	-	-	9.8 U
Anthracene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Atrazine	ug/L	11 U	-	12 U	-	-	9.8 U
Benzaldehyde	ug/L	11 U	-	12 U	-	-	9.8 U
Benzo(a)anthracene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Benzo(a)pyrene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Benzo(b)fluoranthene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Benzo(g,h,i)perylene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Benzo(k)fluoranthene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Biphenyl (1,1-Biphenyl)	ug/L	11 U	-	12 U	-	-	9.8 U
bis(2-Chloroethoxy)methane	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
bis(2-Chloroethyl)ether	ug/L	2.3 U	0.70 J	2.4 U	10 U	10 U	2.0 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
Butyl benzylphthalate	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
Caprolactam	ug/L	57 U	-	59 U	-	-	49 U
Carbazole	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Chrysene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Dibenz(a,h)anthracene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Dibenzofuran	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
Diethyl phthalate	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
Dimethyl phthalate	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
Di-n-butylphthalate	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
Di-n-octyl phthalate	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-5*	*VRI-6*	*VRI-6*	*VRI-7*	*VRI-7*	*VRI-7*
Sample ID:		*GW-18631-100609-BP-022*	*GW-18631-RW-022*	*GW-18631-100209-RR-019*	*GW-18631-RW-020*	*GW-18631-RW-20*	*GW-18631-100509-RR-021*
Sample Date:		*10/6/2009*	*10/18/2001*	*10/2/2009*	*10/18/2001*	*4/3/2002*	*10/5/2009*
Parameters	***Units***						
Fluoranthene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Fluorene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Hexachlorobenzene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Hexachlorobutadiene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Hexachlorocyclopentadiene	ug/L	11 U	50 U	12 U	50 U	50 U	9.8 U
Hexachloroethane	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
Indeno(1,2,3-cd)pyrene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Isophorone	ug/L	11 U	10 U	12 U	10 U	10 U	9.8 U
Naphthalene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Nitrobenzene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
N-Nitrosodi-n-propylamine	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
N-Nitrosodiphenylamine	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Pentachlorophenol	ug/L	11 U	50 U	12 U	50 U	50 U	9.8 U
Phenanthrene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Phenol	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Pyrene	ug/L	2.3 U	10 U	2.4 U	10 U	10 U	2.0 U
Metals							
Aluminum	ug/L	-	4500	-	151	350	-
Antimony	ug/L	-	4.1 U	-	4.1 U	60 U	-
Arsenic	ug/L	-	3.9	-	2.0 U	10 U	-
Barium	ug/L	-	64.6	-	82.5	196	-
Beryllium	ug/L	-	0.28 U	-	0.090 U	5 U	-
Cadmium	ug/L	-	0.63 U	-	0.63 U	5 U	-
Calcium	ug/L	-	98600	-	159000	343000	-
Chromium Total	ug/L	-	9.2	-	1.6	10 U	-
Cobalt	ug/L	-	2.7	-	2.6 U	50 U	-
Copper	ug/L	-	14.0 U	-	3.9 U	2.2	-
Cyanide (total)	ug/L	-	10.0 U	-	10.0 U	-	-
Iron	ug/L	-	**6640**	-	211	**555**	-
Lead	ug/L	-	3.2	-	1.8 U	3 U	-
Magnesium	ug/L	-	17500	-	19300	**45600**	-
Manganese	ug/L	-	285	-	11.2	23.2	-
Mercury	ug/L	-	0.054 U	-	0.054 U	0.2 U	-
Nickel	ug/L	-	7.9 U	-	7.9 U	4.5	-
Potassium	ug/L	-	5610 U	-	1570 U	1760	-
Selenium	ug/L	-	3.2 U	-	3.2 U	5 U	-
Silver	ug/L	-	0.75 U	-	0.75 U	10 U	-
Sodium	ug/L	-	**77600**	-	**192000**	**291000**	-
Thallium	ug/L	-	5.7 U	-	5.7 U	10 U	-
Vanadium	ug/L	-	13.8 U	-	4.1 U	50 U	-
Zinc	ug/L	-	31.1	-	3.2 U	7.5	-
PCBs							
Aroclor-1016 (PCB-1016)	ug/L	-	1.0 U	-	1.0 U	-	-
Aroclor-1221 (PCB-1221)	ug/L	-	1.0 U	-	1.0 U	-	-
Aroclor-1232 (PCB-1232)	ug/L	-	1.0 U	-	1.0 U	-	-
Aroclor-1242 (PCB-1242)	ug/L	-	1.0 U	-	1.0 U	-	-
Aroclor-1248 (PCB-1248)	ug/L	-	1.0 U	-	1.0 U	-	-
Aroclor-1254 (PCB-1254)	ug/L	-	1.0 U	-	1.0 U	-	-
Aroclor-1260 (PCB-1260)	ug/L	-	1.0 U	-	1.0 U	-	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-5*	*VRI-6*	*VRI-6*	*VRI-7*	*VRI-7*	*VRI-7*
Sample ID:		*GW-18631-100609-BP-022*	*GW-18631-RW-022*	*GW-18631-100209-RR-019*	*GW-18631-RW-020*	*GW-18631-RW-20*	*GW-18631-100509-RR-021*
Sample Date:		*10/6/2009*	*10/18/2001*	*10/2/2009*	*10/18/2001*	*4/3/2002*	*10/5/2009*
Parameters	***Units***						
Pesticides							
4,4'-DDD	ug/L	-	0.050 U	-	0.050 U	-	-
4,4'-DDE	ug/L	-	0.050 U	-	0.050 U	-	-
4,4'-DDT	ug/L	-	0.050 U	-	0.050 U	-	-
Aldrin	ug/L	-	0.050 U	-	0.050 U	-	-
alpha-BHC	ug/L	-	0.050 U	-	0.050 U	-	-
beta-BHC	ug/L	-	0.050 U	-	0.050 U	-	-
Chlordane	ug/L	-	0.50 U	-	0.50 U	-	-
delta-BHC	ug/L	-	0.050 U	-	0.050 U	-	-
Dieldrin	ug/L	-	0.050 U	-	0.050 U	-	-
Endosulfan I	ug/L	-	0.050 U	-	0.050 U	-	-
Endosulfan II	ug/L	-	0.050 U	-	0.050 U	-	-
Endosulfan sulfate	ug/L	-	0.050 U	-	0.050 U	-	-
Endrin	ug/L	-	0.050 U	-	0.050 U	-	-
Endrin aldehyde	ug/L	-	0.050 U	-	0.050 U	-	-
Endrin ketone	ug/L	-	0.050 U	-	0.050 U	-	-
gamma-BHC (Lindane)	ug/L	-	0.050 U	-	0.050 U	-	-
Heptachlor	ug/L	-	0.050 U	-	0.050 U	-	-
Heptachlor epoxide	ug/L	-	0.050 U	-	0.050 U	-	-
Methoxychlor	ug/L	-	0.10 U	-	0.10 U	-	-
Toxaphene	ug/L	-	2.0 U	-	2.0 U	-	-
Petroleum Products							
Total Petroleum Hydrocarbons - extractable (DRO)	ug/L	100 U	-	100 UJ	-	-	180 U
Total Petroleum Hydrocarbons (C21-C28)	mg/L	-	0.40 J	-	0.48 U	0.48 U	-
General Chemsitry							
Phenolics (Total)	mg/L	-	**0.011**	-	0.010 U	-	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-8*	*VRI-8*
Sample ID:		*GW-18631-RW-018*	*GW-18631-RW-14*
Sample Date:		*10/17/2001*	*4/3/2002*
Parameters	***Units***		
Volatiles			
1,1,1-Trichloroethane	ug/L	1.0 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	5 U
1,1,2-Trichloroethane	ug/L	1.0 U	5 U
1,1-Dichloroethane	ug/L	1.0 U	5 U
1,1-Dichloroethene	ug/L	1.0 U	5 U
1,2,3-Trichloropropane	ug/L	-	-
1,2,4-Trichlorobenzene	ug/L	-	-
1,2,4-Trimethylbenzene	ug/L	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	-	-
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	-	-
1,2-Dichlorobenzene	ug/L	-	-
1,2-Dichloroethane	ug/L	1.0 U	5 U
1,2-Dichloropropane	ug/L	1.0 U	5 U
1,3,5-Trimethylbenzene	ug/L	-	-
1,3-Dichlorobenzene	ug/L	-	-
1,4-Dichlorobenzene	ug/L	-	-
2-Butanone (Methyl Ethyl Ketone)	ug/L	5.0 U	25 U
2-Hexanone	ug/L	5.0 U	25 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	5.0 U	25 U
Acetone	ug/L	10 UJ	50 UJ
Benzene	ug/L	1.0 U	**130**
Bromodichloromethane	ug/L	1.0 U	5 U
Bromoform	ug/L	1.0 U	5 U
Bromomethane (Methyl Bromide)	ug/L	1.0 U	10 U
Carbon disulfide	ug/L	1.0 U	5 U
Carbon tetrachloride	ug/L	1.2	5 U
Chlorobenzene	ug/L	1.0 U	5 U
Chloroethane	ug/L	2.0 U	10 U
Chloroform (Trichloromethane)	ug/L	2.8	5 U
Chloromethane (Methyl Chloride)	ug/L	2.0 U	10 UJ
cis-1,2-Dichloroethene	ug/L	1.0 U	5 U
cis-1,3-Dichloropropene	ug/L	1.0 U	5 U
Cyclohexane	ug/L	-	-
Dibromochloromethane	ug/L	1.0 U	5 U
Dichlorodifluoromethane (CFC-12)	ug/L	-	-
Ethylbenzene	ug/L	1.0 U	**88**
Isopropylbenzene	ug/L	-	-
Methyl acetate	ug/L	-	-
Methyl cyclohexane	ug/L	-	-
Methyl Tert Butyl Ether	ug/L	-	-
Methylene chloride	ug/L	2.0 U	10 U
n-Propylbenzene	ug/L	-	-
Styrene	ug/L	1.0 U	5 U
Tetrachloroethene	ug/L	1.0 U	5 U
Toluene	ug/L	1.0 U	**6.6**
trans-1,2-Dichloroethene	ug/L	1.0 U	5 U
trans-1,3-Dichloropropene	ug/L	1.0 U	5 U
Trichloroethene	ug/L	**19**	2.1 J
Trichlorofluoromethane (CFC-11)	ug/L	-	-
Trifluorotrichloroethane (Freon 113)	ug/L	-	-
Vinyl chloride	ug/L	2.0 U	10 U
Xylene (total)	ug/L	3.0 U	**360**

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-8*	*VRI-8*
Sample ID:		*GW-18631-RW-018*	*GW-18631-RW-14*
Sample Date:		*10/17/2001*	*4/3/2002*
Parameters	***Units***		
Semi-volatiles			
1,2,4-Trichlorobenzene	ug/L	10 U	20 U
1,2-Dichlorobenzene	ug/L	10 U	20 U
1,3-Dichlorobenzene	ug/L	10 U	20 U
1,4-Dichlorobenzene	ug/L	10 U	20 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	10 U	20 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	-	-
2,4,5-Trichlorophenol	ug/L	10 U	20 U
2,4,6-Trichlorophenol	ug/L	10 U	20 U
2,4-Dichlorophenol	ug/L	10 U	20 U
2,4-Dimethylphenol	ug/L	10 U	20 U
2,4-Dinitrophenol	ug/L	50 U	100 UJ
2,4-Dinitrotoluene	ug/L	10 U	20 U
2,6-Dinitrotoluene	ug/L	10 U	20 U
2-Chloronaphthalene	ug/L	10 U	20 U
2-Chlorophenol	ug/L	10 U	20 U
2-Methylnaphthalene	ug/L	10 U	88
2-Methylphenol	ug/L	10 U	20 U
2-Nitroaniline	ug/L	50 U	100 U
2-Nitrophenol	ug/L	10 U	20 U
3,3'-Dichlorobenzidine	ug/L	50 U	100 R
3-Nitroaniline	ug/L	50 U	100 U
4,6-Dinitro-2-methylphenol	ug/L	50 U	100 UJ
4-Bromophenyl phenyl ether	ug/L	10 U	20 U
4-Chloro-3-methylphenol	ug/L	10 U	20 U
4-Chloroaniline	ug/L	10 U	20 U
4-Chlorophenyl phenyl ether	ug/L	10 U	20 U
4-Methylphenol	ug/L	10 U	20 U
4-Nitroaniline	ug/L	50 U	100 U
4-Nitrophenol	ug/L	50 UJ	100 U
Acenaphthene	ug/L	10 U	20 U
Acenaphthylene	ug/L	10 U	20 U
Acetophenone	ug/L	-	-
Anthracene	ug/L	10 U	20 U
Atrazine	ug/L	-	-
Benzaldehyde	ug/L	-	-
Benzo(a)anthracene	ug/L	10 U	20 U
Benzo(a)pyrene	ug/L	10 U	20 U
Benzo(b)fluoranthene	ug/L	10 U	20 U
Benzo(g,h,i)perylene	ug/L	10 U	20 U
Benzo(k)fluoranthene	ug/L	10 U	20 U
Biphenyl (1,1-Biphenyl)	ug/L	-	-
bis(2-Chloroethoxy)methane	ug/L	10 U	20 U
bis(2-Chloroethyl)ether	ug/L	10 U	20 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	20 U
Butyl benzylphthalate	ug/L	10 U	20 U
Caprolactam	ug/L	-	-
Carbazole	ug/L	10 U	20 U
Chrysene	ug/L	10 U	20 U
Dibenz(a,h)anthracene	ug/L	10 U	20 U
Dibenzofuran	ug/L	10 U	20 U
Diethyl phthalate	ug/L	10 U	20 U
Dimethyl phthalate	ug/L	10 U	20 U
Di-n-butylphthalate	ug/L	10 U	20 U
Di-n-octyl phthalate	ug/L	10 U	20 U

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-8*	*VRI-8*
Sample ID:		*GW-18631-RW-018*	*GW-18631-RW-14*
Sample Date:		*10/17/2001*	*4/3/2002*
Parameters	***Units***		
Fluoranthene	ug/L	10 U	20 U
Fluorene	ug/L	10 U	20 U
Hexachlorobenzene	ug/L	10 U	20 U
Hexachlorobutadiene	ug/L	10 U	20 U
Hexachlorocyclopentadiene	ug/L	50 U	100 U
Hexachloroethane	ug/L	10 U	20 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	20 U
Isophorone	ug/L	10 U	20 U
Naphthalene	ug/L	10 U	**130**
Nitrobenzene	ug/L	10 U	20 U
N-Nitrosodi-n-propylamine	ug/L	10 U	20 U
N-Nitrosodiphenylamine	ug/L	10 U	20 U
Pentachlorophenol	ug/L	50 U	100 U
Phenanthrene	ug/L	10 U	20 U
Phenol	ug/L	10 U	20 U
Pyrene	ug/L	10 U	20 U
Metals			
Aluminum	ug/L	26.9 U	294
Antimony	ug/L	4.1 U	60 U
Arsenic	ug/L	2.0 U	10 U
Barium	ug/L	41.9	112
Beryllium	ug/L	0.077 U	5 U
Cadmium	ug/L	0.63 U	5 U
Calcium	ug/L	90400	156000
Chromium Total	ug/L	2.1	10 U
Cobalt	ug/L	2.6 U	4.5
Copper	ug/L	3.0 U	1.6
Cyanide (total)	ug/L	10.0 U	-
Iron	ug/L	38.5 U	**388**
Lead	ug/L	1.9	3 U
Magnesium	ug/L	13400	20300
Manganese	ug/L	1.2 U	**5290**
Mercury	ug/L	0.054 U	0.2 U
Nickel	ug/L	7.9 U	6.7
Potassium	ug/L	1250 U	1340
Selenium	ug/L	3.8	5 U
Silver	ug/L	0.75 U	10 U
Sodium	ug/L	**42400**	**203000**
Thallium	ug/L	5.7 U	10 U
Vanadium	ug/L	5.0 U	50 U
Zinc	ug/L	3.2 U	20 U
PCBs			
Aroclor-1016 (PCB-1016)	ug/L	1.0 U	-
Aroclor-1221 (PCB-1221)	ug/L	1.0 U	-
Aroclor-1232 (PCB-1232)	ug/L	1.0 U	-
Aroclor-1242 (PCB-1242)	ug/L	1.0 U	-
Aroclor-1248 (PCB-1248)	ug/L	1.0 U	-
Aroclor-1254 (PCB-1254)	ug/L	1.0 U	-
Aroclor-1260 (PCB-1260)	ug/L	1.0 U	-

TABLE 5.2

GROUNDWATER ANALYTICAL RESULTS - SUMMARY
OCTOBER 2001 TO OCTOBER 2009
VON ROLLS ISOLA, USA, INC. FACILITY
SCHENEDTADY, NEW YORK

Sample Location:		*VRI-8*	*VRI-8*
Sample ID:		*GW-18631-RW-018*	*GW-18631-RW-14*
Sample Date:		*10/17/2001*	*4/3/2002*
Parameters	***Units***		
Pesticides			
4,4'-DDD	ug/L	0.050 U	-
4,4'-DDE	ug/L	0.050 U	-
4,4'-DDT	ug/L	0.050 U	-
Aldrin	ug/L	0.050 U	-
alpha-BHC	ug/L	0.050 U	-
beta-BHC	ug/L	0.050 U	-
Chlordane	ug/L	0.50 U	-
delta-BHC	ug/L	0.050 U	-
Dieldrin	ug/L	0.050 U	-
Endosulfan I	ug/L	0.050 U	-
Endosulfan II	ug/L	0.050 U	-
Endosulfan sulfate	ug/L	0.050 U	-
Endrin	ug/L	0.050 U	-
Endrin aldehyde	ug/L	0.050 U	-
Endrin ketone	ug/L	0.050 U	-
gamma-BHC (Lindane)	ug/L	0.050 U	-
Heptachlor	ug/L	0.050 U	-
Heptachlor epoxide	ug/L	0.050 U	-
Methoxychlor	ug/L	0.10 U	-
Toxaphene	ug/L	2.0 U	-
Petroleum Products			
Total Petroleum Hydrocarbons - extractable (DRO)	ug/L	-	-
Total Petroleum Hydrocarbons (C21-C28)	mg/L	0.50 U	23
General Chemsitry			
Phenolics (Total)	mg/L	0.010 U	-

APPENDIX A

WELL INSPECTION FORMS

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-1		
Well Surface Detail (flushmount or stick-up): stickup		
Well Diameter: 2-inch		
Depth to Water: 62.05 feet	Total Well Depth: 66.91 feet	
Well Constructed Depth: 66.25 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-2R		
Well Surface Detail (flushmount or stick-up): stickup		
Well Diameter: 2-inch		
Depth to Water: 62.16 feet	Total Well Depth: 67.78 feet	
Well Constructed Depth: 67.78 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	No cap	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-3		
Well Surface Detail (flushmount or stick-up): stickup		
Well Diameter: 2-inch		
Depth to Water: 60.49 feet	Total Well Depth: 64.98 feet	
Well Constructed Depth: 65.25 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-4		
Well Surface Detail (flushmount or stick-up): stickup		
Well Diameter: 2-inch		
Depth to Water: 59.82 feet	Total Well Depth: 69.46 feet	
Well Constructed Depth: 69.71 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Riser pipe cut too high; lid does not close all the way	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-5		
Well Surface Detail (flushmount or stick-up): flushmount; needs 2-inch J-plug		
Well Diameter: 2-inch		
Depth to Water: 51.76 feet	Total Well Depth: 66.94 feet	
Well Constructed Depth: 70.4 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	OK	
Annular Seal Intact	OK	
Surface Seal Intact	OK	
Cap Functioning	No J-plug	
Lock Functioning	OK	
Well Casing Intact	OK	
Well Properly Labeled	OK	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-7		
Well Surface Detail (flushmount or stick-up): stickup		
Well Diameter: 2-inch		
Depth to Water: 60.06 feet	Total Well Depth: 70.69 feet	
Well Constructed Depth: 70.41 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	No J-plug	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-8		
Well Surface Detail (flushmount or stick-up): stickup; no protective casing; fiberglass riser appears broken		
Well Diameter: 2-inch		
Depth to Water: 47.24 feet	Total Well Depth: 50.15 feet	
Well Constructed Depth: NA	Screen Length:	
Standing Water Inside Well Casing	No	
Lid Seal Intact	NA	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	NA	
Lock Functioning	NA	
Well Casing Intact	No casing	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-9R		
Well Surface Detail (flushmount or stick-up): flushmount		
Well Diameter: 2-inch		
Depth to Water: 61.55 feet	Total Well Depth: 67.50 feet	
Well Constructed Depth: 67.48 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	No	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-10		
Well Surface Detail		
(flushmount or stick-up): stick-up		
Well Diameter: 2-inch		
Depth to Water: 63.83 feet	Total Well Depth: 72.58 feet	
Well Constructed Depth:	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-12		
Well Surface Detail		
(flushmount or stick-up): stick-up		
Well Diameter: 2-inch		
Depth to Water: 61.9 feet	Total Well Depth: 69.0 feet	
Well Constructed Depth:	Screen Length:	
Standing Water Inside Well Casing	No	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-13		
Well Surface Detail (flushmount or stick-up): flushmount		
Well Diameter: 2-inch		
Depth to Water: 60.95 feet	Total Well Depth: 74.11 feet	
Well Constructed Depth: feet	Screen Length:	
Standing Water Inside Well Casing	No	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-14		
Well Surface Detail (flushmount or stick-up): flushmount		
Well Diameter: 2-inch		
Depth to Water: 64.17 feet	Total Well Depth: 69.79 feet	
Well Constructed Depth: 69.40 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-15		
Well Surface Detail (flushmount or stick-up): flushmount		
Well Diameter: 2-inch		
Depth to Water: 70.11 feet	Total Well Depth: 77.30 feet	
Well Constructed Depth: 77 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: GT-16		
Well Surface Detail (flushmount or stick-up): flushmount		
Well Diameter: 2-inch		
Depth to Water: 68.96 feet	Total Well Depth: 77 feet	
Well Constructed Depth: 76.80 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	No cap	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: SMW-1		
Well Surface Detail (flushmount or stick-up): flushmount		
Well Diameter: 2-inch		
Depth to Water: 62.27 feet	Total Well Depth: 71.51 feet	
Well Constructed Depth: 71.75 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Needs new cap	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: SMW-2		
Well Surface Detail (flushmount or stick-up): 2-inch riser stickup		
Well Diameter: 2-inch		
Depth to Water: 64.51 feet	Total Well Depth: 72.5 feet	
Well Constructed Depth: 72.10 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: VRI-1		
Well Surface Detail		
(flushmount or stick-up): stick-up		
Well Diameter: 2-inch		
Depth to Water: 63.61 feet	Total Well Depth: 70.36 feet	
Well Constructed Depth:	Screen Length:	
Standing Water Inside Well Casing	No	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: VRI-2		
Well Surface Detail		
(flushmount or stick-up): stick-up		
Well Diameter: 2-inch		
Depth to Water: 67.50 feet	Total Well Depth: 76.69 feet	
Well Constructed Depth:	Screen Length:	
Standing Water Inside Well Casing	No	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: VRI-3		
Well Surface Detail (flushmount or stick-up): stickup		
Well Diameter: 2-inch		
Depth to Water: 69.76 feet	Total Well Depth: 78.68 feet	
Well Constructed Depth: 79.48 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Concrete pad broken	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: VRI-4		
Well Surface Detail (flushmount or stick-up): stickup		
Well Diameter: 2-inch		
Depth to Water: 71.73 feet	Total Well Depth: 72.03 feet	
Well Constructed Depth: 80.28 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Concrete pad at base broken	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: VRI-5		
Well Surface Detail (flushmount or stick-up): stickup		
Well Diameter: 2-inch		
Depth to Water: 95.50 feet	Total Well Depth: NA	
Well Constructed Depth: 112 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: VRI-6		
Well Surface Detail (flushmount or stick-up): stickup		
Well Diameter: 2-inch		
Depth to Water: 72.97 feet	Total Well Depth: 75.60 feet	
Well Constructed Depth: NA	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: VRI-7		
Well Surface Detail (flushmount or stick-up): stickup		
Well Diameter: 2-inch		
Depth to Water: 50.26 feet	Total Well Depth: 56.99 feet	
Well Constructed Depth: 57.58 feet	Screen Length:	
Standing Water Inside Well Casing	OK	
Lid Seal Intact	Yes	
Annular Seal Intact	Yes	
Surface Seal Intact	Yes	
Cap Functioning	Yes	
Lock Functioning	Yes	
Well Casing Intact	Yes	
Well Properly Labeled	Yes	

WELL INSPECTION CHECKLIST

Project Name: VRI	CRA Mgr: Jamie Puskas	Field Person(s): Rob Redman Brian Pickert
Project Number: 18631	Date: Sep 16, 2009	
Well ID and Location: VRI-8		
Well Surface Detail (flushmount or stick-up): stickup; obstruction at approx. 25 ft BTOR; tubing in well, but cannot remove		
Well Diameter: 2-inch		
Depth to Water: NA	Total Well Depth: NA	
Well Constructed Depth: NA	Screen Length:	
Standing Water Inside Well Casing	No protective casing; PVC riser is broken at aboveground joint	
Lid Seal Intact		
Annular Seal Intact		
Surface Seal Intact		
Cap Functioning		
Lock Functioning		
Well Casing Intact		
Well Properly Labeled		

APPENDIX B

WELL REDEVELOPMENT LOGS

APPENDIX B

WELL REDEVELOPMENT LOGS

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: UAT **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-24-09

DEVELOPMENT CREW MEMBERS: Rob Redmon Brian Rickett

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-1

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 62.05 **ELEVATION:**

BOTTOM DEPTH: 66.91 **ELEVATION:**

WATER COLUMN LENGTH: 4.86

SCREENED INTERVAL:

WELL VOLUME: 0.79 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	2	4	6	8	10	
FIELD pH:	S.U.	7.24	7.00	6.99	6.99	6.93	
FIELD TEMPERATURE:	°C	15.4	14.5	13.7	13.6	13.7	
FIELD CONDUCTIVITY:	ms/cm	0.718	0.679	0.667	0.662	0.661	
CLARITY/TURBIDITY VALUES:	NTU	<999	<999	<999	512	256	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-24-09

DEVELOPMENT CREW MEMBERS: Rob Radma

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-1

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 62.05 **ELEVATION:**

BOTTOM DEPTH: 66.91 **ELEVATION:**

WATER COLUMN LENGTH: 4.86

SCREENED INTERVAL:

WELL VOLUME: 0.79 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	12	14	16			
FIELD pH:	S.U.	6.91	6.91	6.92			
FIELD TEMPERATURE:	°C	13.4	13.3	13.1			
FIELD CONDUCTIVITY:	ms/cm	0.665	0.667	0.669			
CLARITY/TURBIDITY VALUES:	NTU	103	83.7	49.1			
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI PROJECT NO.: 18631

DATE OF WELL DEVELOPMENT: 9-24-09

DEVELOPMENT CREW MEMBERS: Rob Rodma Brad Pickert

PURGING METHOD: Surge & purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-2R

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 62.16 ELEVATION:

BOTTOM DEPTH: 68.33 ELEVATION:

WATER COLUMN LENGTH: 6.17

SCREENED INTERVAL:

WELL VOLUME: 1.0 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	Gallons	2	4	6	8	10	
FIELD pH:	S.U.	7.19	7.00	7.05	7.04	7.29	
FIELD TEMPERATURE:	°C	18.1	12.1	12.00	12.0	1.9	
FIELD CONDUCTIVITY:	ms/cm	0.0665	0.0667	0.0648	0.0646	0.0655	
CLARITY/TURBIDITY VALUES:	ntu	<999	<999	<999	<999	<999	
COLOR:							
ODOR:							
COMMENTS: very silty							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: VRI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-24-09

DEVELOPMENT CREW MEMBERS: Rob Redman, Brian Pickert

PURGING METHOD: Serge & purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-2R

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 62.46 **ELEVATION:**

BOTTOM DEPTH: 68.33 **ELEVATION:**

WATER COLUMN LENGTH: 6.17

SCREENED INTERVAL:

WELL VOLUME: 1.08 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	12	15	20	22		
FIELD pH:	S.U.	6.98	7.04	7.01	7.00		
FIELD TEMPERATURE:	°C	13.7	13.9	13.8	13.8		
FIELD CONDUCTIVITY:	ms/cm	0.663	0.656	0.657	0.656		
CLARITY/TURBIDITY VALUES:	ntu						
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI PROJECT NO.: 18631

DATE OF WELL DEVELOPMENT: 9/18-09

DEVELOPMENT CREW MEMBERS: Rob Redman, Eric Pickard

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-3

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 60.49 ELEVATION:

BOTTOM DEPTH: 64.98 ELEVATION:

WATER COLUMN LENGTH: 4.4

SCREENED INTERVAL:

WELL VOLUME: 0.719 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	2	4	6	8	10	
FIELD pH:	S.U.	7.90	7.30	7.82	6.84	7.02	
FIELD TEMPERATURE:	°C	17.8	17.9	18.0	14.1	15.0	
FIELD CONDUCTIVITY:	ms/cm	0.290	0.586	0.167	0.166	0.909	
CLARITY/TURBIDITY VALUES:	ntu	1999	<999	<999	<999	<999	
COLOR:							
ODOR:							
COMMENTS: Very silty well goes dry							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-16-09

DEVELOPMENT CREW MEMBERS: Rob Redman, Brian Pickett

PURGING METHOD: Surge & purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-3

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 60.49 **ELEVATION:**

BOTTOM DEPTH: 64.98 **ELEVATION:**

WATER COLUMN LENGTH: 4.4

SCREENED INTERVAL:

WELL VOLUME: 0.179 Gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	Gallons	15	20	28	30		
FIELD pH:	S.U.	6.97	6.90	6.93	6.91		
FIELD TEMPERATURE:	°C	12.2	12.4	11.8	11.1		
FIELD CONDUCTIVITY:	mS/cm	1.24	1.15	1.19	1.16		
CLARITY/TURBIDITY VALUES:	NTU	<999	<999	<999	<999		
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-18-09

DEVELOPMENT CREW MEMBERS: Rob Fedora, Brian Pickett

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-41

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 59.82 **ELEVATION:**

BOTTOM DEPTH: 69.46 **ELEVATION:**

WATER COLUMN LENGTH: 9.64

SCREENED INTERVAL:

WELL VOLUME: 1.54 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	2	4	6			
FIELD pH:	S.U.	6.84	7.23	7.20			
FIELD TEMPERATURE:	°C	15.5	15.0	15.0			
FIELD CONDUCTIVITY:	ms/cm	.882	1.14	1.16			
CLARITY/TURBIDITY VALUES:	NTU	<999	<999	<999			
COLOR:							
ODOR:							
COMMENTS: Very silty groups pump dent pumping							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: Rob Redman, Brian Pickett

DEVELOPMENT CREW MEMBERS: 9/17/09

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-35

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 51.76 **ELEVATION:**

BOTTOM DEPTH: 66.94 **ELEVATION:**

WATER COLUMN LENGTH: 15.18

SCREENED INTERVAL:

WELL VOLUME: 2.42 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	2	4	6.5			
FIELD pH:	S.U.	4.51	4.54	4.30			
FIELD TEMPERATURE:	°C	16.08	15.82	15.09			
FIELD CONDUCTIVITY:	ms/cm	1.99	0.901	0.895			
CLARITY/TURBIDITY VALUES:	ntu	<999	<999	5.46			
COLOR:							
ODOR:							
COMMENTS: Well goes Dry after each well volume							

COPIES TO:

Note: pH probe Reading low, new probe ordered. old Probe Reading 4.19
new probe Reading 6.73

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-24-09

DEVELOPMENT CREW MEMBERS: Rob Rodman, Brian Pickett

PURGING METHOD: Songe & purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-7

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 60.06 **ELEVATION:**

BOTTOM DEPTH: 70.69 **ELEVATION:**

WATER COLUMN LENGTH: 10.63

SCREENED INTERVAL:

WELL VOLUME: 1.73 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume): gallons	2	4	6	8	10	
FIELD pH: S.U.	5.81	6.42	6.59	6.63	6.61	
FIELD TEMPERATURE: °C	17.2	16.3	16.1	16.3	16.4	
FIELD CONDUCTIVITY: ms/cm	0.270	0.173	0.153	0.544	0.675	
CLARITY/TURBIDITY VALUES: ntu	1999	1999	995	738	1999	
COLOR:						
ODOR:						
COMMENTS:						

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-24-09

DEVELOPMENT CREW MEMBERS: Rob Redman, Brian Pickert

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-7

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 60.06 **ELEVATION:**

BOTTOM DEPTH: 70.69 **ELEVATION:**

WATER COLUMN LENGTH: 10.63

SCREENED INTERVAL:

WELL VOLUME: 1.73 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	12	14	16	18	22	
FIELD pH:	S.U.	6.63	6.68	6.58	6.62	6.65	
FIELD TEMPERATURE:	°C	16.1	15.8	15.8	16.1	16.5	
FIELD CONDUCTIVITY:	ms/cm	0.578	0.666	0.644	0.898	0.621	
CLARITY/TURBIDITY VALUES:	ntu	649	954	566	513	210	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9.21.09

DEVELOPMENT CREW MEMBERS: Rob Redmon, Brian Parker

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-8

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 47.24 **ELEVATION:**

BOTTOM DEPTH: 50.15 **ELEVATION:**

WATER COLUMN LENGTH: 2.91

SCREENED INTERVAL:

WELL VOLUME: 0.47 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	1	4	5			
FIELD pH:	su	6.98	~~0.336~~ 7.01	8.43			
FIELD TEMPERATURE:	°C	15.7	15.6	16.5			
FIELD CONDUCTIVITY:	ms/cm	0.336	~~0.335~~ 0.335	~~0.336~~ 0.336			
CLARITY/TURBIDITY VALUES:	ntu	<999	<999	<999			
COLOR:							
ODOR:							
COMMENTS: Well goes Dry very silty							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI

PROJECT NO.: 18603 1

DATE OF WELL DEVELOPMENT: 9-25-09

DEVELOPMENT CREW MEMBERS: Rob Redyan, Brian Pickard

PURGING METHOD: Screen & purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-9R

WELL TYPE (diameter/material): 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 61.55

ELEVATION:

BOTTOM DEPTH: 67.5

ELEVATION:

WATER COLUMN LENGTH: 5.95

SCREENED INTERVAL:

WELL VOLUME: 0.96 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	2	4	6	8	12	
FIELD pH:	S.U.	7.38	7.10	6.98	6.96	6.90	
FIELD TEMPERATURE:	°C	15.3	15.4	14.5	14.7	14.3	
FIELD CONDUCTIVITY:	ms/cm	0.982	0.965	0.948	0.925	0.915	
CLARITY/TURBIDITY VALUES:	ntu	>999	>999	302	191	89	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URT

PROJECT NO.: 18631

DATE OF WELL DEVELOPMENT: 9-25-09

DEVELOPMENT CREW MEMBERS: Rob Rathman, Brian Eckert

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-~~MW~~9R

WELL TYPE (diameter/material): 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 61.55

ELEVATION:

BOTTOM DEPTH: 67.5

ELEVATION:

WATER COLUMN LENGTH: 5.95

SCREENED INTERVAL:

WELL VOLUME: 0.96 Gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	14	16				
FIELD pH:	S.U.	6.96	6.91				
FIELD TEMPERATURE:	°C	14.5	14.5				
FIELD CONDUCTIVITY:	mS/cm	0.90	0.884				
CLARITY/TURBIDITY VALUES:	NTU	63.4	47.3				
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-25-09

DEVELOPMENT CREW MEMBERS: Rob Rodma, Jna PcKert

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-10

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 63.83 **ELEVATION:**

BOTTOM DEPTH: 72.58 **ELEVATION:**

WATER COLUMN LENGTH: 8.75

SCREENED INTERVAL:

WELL VOLUME: 1.43 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	2	4	6	8	10	
FIELD pH:	S.U.	7.12	7.07	7.00	7.01	6.98	
FIELD TEMPERATURE:	°C	13.1	12.7	12.3	12.2	12.3	
FIELD CONDUCTIVITY:	ms/cm	0.626	0.634	0.627	0.628	0.630	
CLARITY/TURBIDITY VALUES:	NTU	1999	750	97.1	55.5	9.1	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-17-09

DEVELOPMENT CREW MEMBERS: Rob Reimer, Brian Pickett

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: QT-12

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 61.9 **ELEVATION:**

BOTTOM DEPTH: 69 **ELEVATION:**

WATER COLUMN LENGTH: 7.1

SCREENED INTERVAL: 1.15 gallons

WELL VOLUME:

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	3	6	9	11	12	
FIELD pH:	S.U.	4.03	4.05	4.09	4.10	4.13	
FIELD TEMPERATURE:	°C	12.9	12.9	13.3	13.1	12.9	
FIELD CONDUCTIVITY:	ms/cm	0.960	0.876	0.946	0.940	0.936	
CLARITY/TURBIDITY VALUES:	ntu	1999	1999	1999	708	390	
COLOR:		→	Brown &	Silty			
ODOR:							
COMMENTS: very silty							

COPIES TO:

Note: pH probe reading low new probe ordered. Old probe Reading 4.19
new prob Reading 6.73

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: VRI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-17-09

DEVELOPMENT CREW MEMBERS: Bob Redman Brad Eckert

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-12

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 61.9 **ELEVATION:**

BOTTOM DEPTH: 69.0 **ELEVATION:**

WATER COLUMN LENGTH: 7.1

SCREENED INTERVAL: 1.5 gallons

WELL VOLUME:

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	13	14	15	16	19	
FIELD pH:	s.u.	4.19	4.16	4.16	4.17	4.15	
FIELD TEMPERATURE:	°C	12.9	12.9	12.9	12.9	12.8	
FIELD CONDUCTIVITY:	mS/cm	0.931	0.931	0.933	0.931	0.930	
CLARITY/TURBIDITY VALUES:	ntu	230	172	101	64	36	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

Note: pH probe Reading low; new probe ordered old probe Reading 4.19
new prob Reading 6.73

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-29-09

DEVELOPMENT CREW MEMBERS: Rob Robinson, Brian Pickard

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: QT-13

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 60.9 **ELEVATION:**

BOTTOM DEPTH: 74.35 **ELEVATION:**

WATER COLUMN LENGTH: 13.45

SCREENED INTERVAL:

WELL VOLUME: 2.19 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	2	4	6	8	10	
FIELD pH:	S.U.	6.53	6.71	6.81	6.81	6.83	
FIELD TEMPERATURE:	°C	11.4	11.6	12.2	11.7	11.5	
FIELD CONDUCTIVITY:	ms/cm	3.00	3.1	3.09	3.07		
CLARITY/TURBIDITY VALUES:	NTU	999	354	188	42	12	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-29-09

DEVELOPMENT CREW MEMBERS: Rob Rodin, Brian Pickett

PURGING METHOD: Surge & purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-13

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 60.9 **ELEVATION:**

BOTTOM DEPTH: 74.35' **ELEVATION:**

WATER COLUMN LENGTH: 13.45

SCREENED INTERVAL:

WELL VOLUME:

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons						
FIELD pH:	S.U.	6.82	6.85				
FIELD TEMPERATURE:	°C	11.5	11.5				
FIELD CONDUCTIVITY:	ms/cm	2.82	2.91				
CLARITY/TURBIDITY VALUES:	ntu	16.7	22.1				
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-21-09

DEVELOPMENT CREW MEMBERS: Rob Radma, Brad Pickett

PURGING METHOD: Surge & purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-14

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 5.64 **ELEVATION:**

BOTTOM DEPTH: 69.8 **ELEVATION:**

WATER COLUMN LENGTH: 5.8

SCREENED INTERVAL:

WELL VOLUME: 0.92

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume): gallons	1	2	3	5	7	
FIELD pH: S.U.	7.22	6.97	7.17	6.84	6.82	
FIELD TEMPERATURE: °C	12.6	12.8	12.4	11.9	11.9	
FIELD CONDUCTIVITY: ms/cm	0.612	0.1621	0.618	0.649	0.656	
CLARITY/TURBIDITY VALUES: ntu	<999	<999	<999	<999	<999	
COLOR:						
ODOR:						
COMMENTS: Very silty Bottom						

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-21-09

DEVELOPMENT CREW MEMBERS: Rob Redman, Brian Pickert

PURGING METHOD: Surge & purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-14

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 64 **ELEVATION:**

BOTTOM DEPTH: 69.8 **ELEVATION:**

WATER COLUMN LENGTH: 5.8

SCREENED INTERVAL:

WELL VOLUME: 0.92

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	10	15	20	26	32	
FIELD pH:	S.U.	6.85	6.82	6.92	7.52	7.32	
FIELD TEMPERATURE:	°C	11.6	12.9	15.0	15.5	11.7	
FIELD CONDUCTIVITY:	ms/cm	0.642	0.1645	0.5460	0.1673	0.1670	
CLARITY/TURBIDITY VALUES:	ntu	<999	<999	<999	<999	<998	
COLOR:							
ODOR:							
COMMENTS: Very silty Bottom							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: VRI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-21-09

DEVELOPMENT CREW MEMBERS: Rob Redman, Brian Pickard

PURGING METHOD: Serge & purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-14

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 64 **ELEVATION:**

BOTTOM DEPTH: 69.8 **ELEVATION:**

WATER COLUMN LENGTH: 5.8

SCREENED INTERVAL:

WELL VOLUME: 0.92

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	38	42	48			
FIELD pH:	Std.	7.20	7.16	7.20			
FIELD TEMPERATURE:	°C	11.10	10.9	11.7			
FIELD CONDUCTIVITY:	ms/cm	.667	.652	.667			
CLARITY/TURBIDITY VALUES:	NTU	<999	570	<999			
COLOR:							
ODOR:							
COMMENTS: Very silty Bottom							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-23-09

DEVELOPMENT CREW MEMBERS: [illegible], Brian Pickert

PURGING METHOD: Surge/Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-15

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 70.11 **ELEVATION:**

BOTTOM DEPTH: 77.3 **ELEVATION:**

WATER COLUMN LENGTH: 7.19

SCREENED INTERVAL: 1.17

WELL VOLUME:

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	2	4	6	8	12	
FIELD pH:	S.U.	7.63	7.33	7.25	7.08	7.03	
FIELD TEMPERATURE:	°C	20.6	17.2	16.6	16.2	16.1	
FIELD CONDUCTIVITY:	mS/cm	0.660	0.627	0.654	0.654	0.651	
CLARITY/TURBIDITY VALUES:	ntu	>999	1999	625	206	9.4	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-23-09

DEVELOPMENT CREW MEMBERS: Rob Rodin, Brian Pickett

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-16

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 68.96 **ELEVATION:**

BOTTOM DEPTH: 77 **ELEVATION:**

WATER COLUMN LENGTH: 8.04

SCREENED INTERVAL:

WELL VOLUME: 1.28 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	2	4	6	8	10	
FIELD pH:	S.U.	7.44	6.96	6.98	6.94	7.00	
FIELD TEMPERATURE:	°C	16.2	15.1	15.2	15.0	15.2	
FIELD CONDUCTIVITY:	ms/cm	0.902	0.940	0.946	0.950	0.942	
CLARITY/TURBIDITY VALUES:	NTU	>999	>999	991	764	>999	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: VRI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-23-09

DEVELOPMENT CREW MEMBERS: Rob Rodman, Brian Pickett

PURGING METHOD: Surge & purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-16

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 68.96 **ELEVATION:**

BOTTOM DEPTH: 77 **ELEVATION:**

WATER COLUMN LENGTH: 8.04

SCREENED INTERVAL: 1

WELL VOLUME: 1.28 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	12	14	18	20	24	
FIELD pH:	S.U.	6.92	6.88	6.91	6.97	6.85	
FIELD TEMPERATURE:	°C	15.1	14.9	14.9	15.1	15.00	
FIELD CONDUCTIVITY:	mS/cm	0.946	0.951	0.949	0.953	0.957	
CLARITY/TURBIDITY VALUES:	NTU	999	784	616	614	381	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: VRI **PROJECT NO.:** 15631

DATE OF WELL DEVELOPMENT: 9-23-09

DEVELOPMENT CREW MEMBERS: Rob Redman, Brad Pickert

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: GT-16

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 68.96 **ELEVATION:**

BOTTOM DEPTH: 77 **ELEVATION:**

WATER COLUMN LENGTH: 8.04

SCREENED INTERVAL:

WELL VOLUME: 1.28 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	26	27	34	36	38	
FIELD pH:	S.U.	6.93	6.94	6.95	6.91	6.93	
FIELD TEMPERATURE:	°C	14.1	15.1	15.1	14.9	14.9	
FIELD CONDUCTIVITY:	mS/cm	0.957	0.951	0.956	0.954	0953	
CLARITY/TURBIDITY VALUES:	ntu	268	196	109	104	103	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18031

DATE OF WELL DEVELOPMENT: 9-18-09

DEVELOPMENT CREW MEMBERS: Rob Redman, Brian Pickard

PURGING METHOD: Surge / Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: Smw 1

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 62.27 **ELEVATION:**

BOTTOM DEPTH: 71.51 **ELEVATION:**

WATER COLUMN LENGTH: 9.24

SCREENED INTERVAL:

WELL VOLUME: 1.47 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	2	4	6	8	10	
FIELD pH:	Su	4.00	6.73	7.01	7.03	7.05	
FIELD TEMPERATURE:	°C	14.35	14.1	13.8	13.7	13.7	
FIELD CONDUCTIVITY:	mS/cm	1.12	1.27	1.13	1.10	1.11	
CLARITY/TURBIDITY VALUES:	ntu	<999	<999	<999	611	186	
COLOR:							
ODOR:							
COMMENTS: very silty							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: VRI — PROJECT NO.: 1863

DATE OF WELL DEVELOPMENT: 9-16-09

DEVELOPMENT CREW MEMBERS: Rob Redmon, Brian Pickett

PURGING METHOD: Surge & purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: SMW-1

WELL TYPE (diameter/material): 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 62.27 — ELEVATION:

BOTTOM DEPTH: 71.51 — ELEVATION:

WATER COLUMN LENGTH: 9.24

SCREENED INTERVAL:

WELL VOLUME: 1.47 Gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	12	14	20			
FIELD pH:	S.U.	6.98	7.04	7.10			
FIELD TEMPERATURE:	°C	13.7	13.7	13.8			
FIELD CONDUCTIVITY:	mS/cm	1.12	1.11	1.10			
CLARITY/TURBIDITY VALUES:	NTU	79.1	24.4	44.8			
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI PROJECT NO.: 18631

DATE OF WELL DEVELOPMENT: 9-18-09

DEVELOPMENT CREW MEMBERS: Rob Redman, Brian Pickert

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: SMW-2

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOIR

STATIC WATER DEPTH: 62.27 ELEVATION:

BOTTOM DEPTH: 71.51 ELEVATION:

WATER COLUMN LENGTH: 9.24

SCREENED INTERVAL:

WELL VOLUME: 1.47 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	2	4	6	8	10	
FIELD pH:	S.U.	6.87	6.85	6.81	6.80	6.83	
FIELD TEMPERATURE:	°C	12.3	12.7	12.6	12.5	13.1	
FIELD CONDUCTIVITY:	ms/cm	0.959	0.920	0.905	0.915	0.910	
CLARITY/TURBIDITY VALUES:	Ntu	<999	<999	<999	799	386	
COLOR:							
ODOR:							
COMMENTS: very silty							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: VRI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-18-09

DEVELOPMENT CREW MEMBERS: Rob Redmon, Brian Pickert

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: Smw-2

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 62.27 **ELEVATION:**

BOTTOM DEPTH: 71.51 **ELEVATION:**

WATER COLUMN LENGTH: 9.24

SCREENED INTERVAL:

WELL VOLUME: 1.47 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	12	14	16	18	20	
FIELD pH:	S.U.	6.78	6.86	6.89	6.88	6.99	
FIELD TEMPERATURE:	°C	12.8	13.0	12.8	12.9	13.1	
FIELD CONDUCTIVITY:	mS/cm	0.911	0.907	0.900	0.909	0.906	
CLARITY/TURBIDITY VALUES:	ntu	138	84.6	56.3	45.1	37.9	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9.28.09

DEVELOPMENT CREW MEMBERS: 9.28.09

PURGING METHOD: Surge & pump

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: URI-1

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 63.41 **ELEVATION:**

BOTTOM DEPTH: 70.35 **ELEVATION:**

WATER COLUMN LENGTH: 6.94

SCREENED INTERVAL:

WELL VOLUME: 1.13

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	2	4	6	8	9	
FIELD pH:	S.U.	6.53	6.90	6.85	6.83	6.79	
FIELD TEMPERATURE:	°C	12.3	13.3	14.7	15.6	16.3	
FIELD CONDUCTIVITY:	mS/cm	0.971	0.813	0.771	0.756	0.753	
CLARITY/TURBIDITY VALUES:	NTU	>999	>999	646	428	435	
COLOR:							
ODOR:							
COMMENTS: well grossly							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-28-09

DEVELOPMENT CREW MEMBERS: Rob Rebman, Sam Pickard

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: URI-2

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOC

STATIC WATER DEPTH: 67.5 **ELEVATION:**

BOTTOM DEPTH: 76.7 **ELEVATION:**

WATER COLUMN LENGTH: 9.3

SCREENED INTERVAL: 1.

WELL VOLUME: 1.51

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	Gallons	2	4	6	8	10	
FIELD pH:	SU	7.47	7.16	7.09	7.06	7.13	
FIELD TEMPERATURE:	°C	11.6	11.1	11.3	11.3	11.0	
FIELD CONDUCTIVITY:	mS/cm	0.747	0.754	0.755	0.757	0.767	
CLARITY/TURBIDITY VALUES:	NTU	999	999	999	452	286	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-28-09

DEVELOPMENT CREW MEMBERS: RL Rahm Box pickart

PURGING METHOD: Surge & pump

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: URI-2

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 67.5 **ELEVATION:**

BOTTOM DEPTH: 76.8 **ELEVATION:**

WATER COLUMN LENGTH: 9.3

SCREENED INTERVAL:

WELL VOLUME: 1.51 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	15	21	23	25	27	
FIELD pH:	S.U.	7.08	7.02	7.09	7.09	7.09	
FIELD TEMPERATURE:	°C	11.6	11.7	11.8	11.7	11.8	
FIELD CONDUCTIVITY:	ms/cm	0.761	0.757	0.741	0.758	0.75	
CLARITY/TURBIDITY VALUES:	NTU	744	177	82.4	61.0	45.9	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: VRI **PROJECT NO.:** 15631

DATE OF WELL DEVELOPMENT: 9-21-09

DEVELOPMENT CREW MEMBERS: Rob Redman, Brian Pickert

PURGING METHOD: Surge/Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: VRI-3

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 69.76 **ELEVATION:**

BOTTOM DEPTH: 78.68 **ELEVATION:**

WATER COLUMN LENGTH: 8.92

SCREENED INTERVAL:

WELL VOLUME: 1.42 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	2	4	6	8	9	
FIELD pH:	S.U.	7.23	7.15	6.99	7.17	6.81	
FIELD TEMPERATURE:	°C	16.4	16.4	14.4	14.8	12.7	
FIELD CONDUCTIVITY:	ms/cm	0.591	0.430	0.492	0.578	0.704	
CLARITY/TURBIDITY VALUES:	ntu	<999	<999	<999	<999	<999	
COLOR:							
ODOR:							
COMMENTS: very silty							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI PROJECT NO.: 18631

DATE OF WELL DEVELOPMENT: 9-21-09

DEVELOPMENT CREW MEMBERS: Rob Redman, Sara Pickett

PURGING METHOD: Surge & purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: URI-3

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 69.76 ELEVATION:

BOTTOM DEPTH: 78.68 ELEVATION:

WATER COLUMN LENGTH: 8.92

SCREENED INTERVAL:

WELL VOLUME: 1.42 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	gallons	10	12	16	20		
FIELD pH:	S.U.	6.94	7.00	6.99	7.08		
FIELD TEMPERATURE:	°C	13.9	13.7	13.2	13.8		
FIELD CONDUCTIVITY:	ms/cm	.663	.656	.671	.659		
CLARITY/TURBIDITY VALUES:	ntu	<999	<999	<999	<999		
COLOR:							
ODOR:							
COMMENTS: Very silty							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI-4 **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-22-09

DEVELOPMENT CREW MEMBERS: Rob Rodman, Brian Pickett

PURGING METHOD: Surge + purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: URI-4

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 71.9 **ELEVATION:**

BOTTOM DEPTH: 76.25 **ELEVATION:**

WATER COLUMN LENGTH: 4.35

SCREENED INTERVAL:

WELL VOLUME: 0.70 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*1*	*2*	*3*	*4*	*5*	*TOTAL/ AVERAGE*
VOLUME PURGED (volume/total volume):	Gallons	2	3	7	10		
FIELD pH:	S.U.	7.53	7.70	7.02	7.38		
FIELD TEMPERATURE:	°C	16.4	16.16	16.8	16.9		
FIELD CONDUCTIVITY:	ms/cm	0.198	0.282	0.365	0.347		
CLARITY/TURBIDITY VALUES:	NTU	<999	<999	<999	<999		
COLOR:							
ODOR:							
COMMENTS: very silty grunks quit pumping							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI PROJECT NO.: 18631

DATE OF WELL DEVELOPMENT: 9-22-09

DEVELOPMENT CREW MEMBERS: Rob Redman

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: URI-5

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 95.65 ELEVATION:

BOTTOM DEPTH: 105.5 ELEVATION:

WATER COLUMN LENGTH: 9.85

SCREENED INTERVAL:

WELL VOLUME: 1.60 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	Gallons	5	10	15	20		
FIELD pH:	S.U.	7.80	7.56	7.35	7.25		
FIELD TEMPERATURE:	°C						
FIELD CONDUCTIVITY:	ms/cm	0600	0.574	0.566	0.607		
CLARITY/TURBIDITY VALUES:	ntu						
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** ~~72409~~ 18631

DATE OF WELL DEVELOPMENT: 9-24-09

DEVELOPMENT CREW MEMBERS: Rob Rathman, Brian Pickart

PURGING METHOD: Surge & purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: URI-6

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 72.97 **ELEVATION:**

BOTTOM DEPTH: 75.60 **ELEVATION:**

WATER COLUMN LENGTH: 2.63

SCREENED INTERVAL:

WELL VOLUME: 0.42 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	1	2	3			
FIELD pH:	S.U.	7.63	7.14	7.18			
FIELD TEMPERATURE:	°C	19.6	17.8	17.11			
FIELD CONDUCTIVITY:	mS/cm	0.566	0.579	0.551			
CLARITY/TURBIDITY VALUES:	NAU	<999	<999	<999			
COLOR:							
ODOR:							
COMMENTS: Purged 3 Bailer B/C & low volumes							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** ~~72409~~ 18631

DATE OF WELL DEVELOPMENT: 9-24-09

DEVELOPMENT CREW MEMBERS: Rob Redman, Brian Pickett

PURGING METHOD: Surge & Purge

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: URI-17

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 50.26 **ELEVATION:**

BOTTOM DEPTH: 56.99 **ELEVATION:**

WATER COLUMN LENGTH: 6.73

SCREENED INTERVAL:

WELL VOLUME: 1.1 gallons

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gallons	1	2	4	6	7	
FIELD pH:	S.U.	7.01	6.84	6.~~69~~ 71	6.68	6.67	
FIELD TEMPERATURE:	°C	15.4	16.7	16.9	16.7	16.7	
FIELD CONDUCTIVITY:	ms/cm	1.45	1.41	1.10	1.15	1.36	
CLARITY/TURBIDITY VALUES:	ntu	<999	<999	<999	<999	<999	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: URI **PROJECT NO.:** 18631

DATE OF WELL DEVELOPMENT: 9-24-09

DEVELOPMENT CREW MEMBERS: Rob Redman, Brian Pickett

PURGING METHOD: Surge & pump

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: URI-7

WELL TYPE (diameter/material) 2"

MEASURING POINT ELEVATION: TOR

STATIC WATER DEPTH: 50.26 **ELEVATION:**

BOTTOM DEPTH: 56.99 **ELEVATION:**

WATER COLUMN LENGTH: 6.73

SCREENED INTERVAL:

WELL VOLUME: 1.1

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume): gallons	8	13	17	24	26	
FIELD pH: S.U.	6.73	6.73	6.78	6.78	6.77	
FIELD TEMPERATURE: °C	16.3	15.9	16.4	16.1	16.0	
FIELD CONDUCTIVITY: ms/cm	1.44	1.52	1.48	1.48	1.48	
CLARITY/TURBIDITY VALUES: NTU	<999	<999	461	83.5	47.3	
COLOR:						
ODOR:						
COMMENTS:						

COPIES TO:

APPENDIX C

DATA VALIDATION MEMO

APPENDIX C

DATA VALIDATION MEMO

CONESTOGA-ROVERS
& ASSOCIATES

E-Mail Date: November 6, 2009
E-Mail To: Jamie Puskas

E-Mail and Hard Copy if Requested

ANALYTICAL DATA ASSESSMENT AND VALIDATION
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER-OCTOBER 2009

PREPARED BY:
CONESTOGA-ROVERS & ASSOCIATES

2055 Niagara Falls Blvd., Suite #3
Niagara Falls, New York 14304
Telephone: 716-297-6150 Fax: 716-297-2265
Contact: Kathleen Willy [bjw]
Date: November 6, 2009
www.CRAworld.com

TABLE OF CONTENTS

LIST OF TABLES
(Following Text)

1.0 INTRODUCTION

The following document details an assessment and validation of analytical results reported by Test America Laboratories, Inc., (Test America) in Pittsburgh, PA for groundwater samples collected at the Von Roll Iosla Site located in Schenectady, New York (Site) during September and October 2009. The samples were collected to conduct a Remedial Investigation/Feasibility Study (RI/FS) of the Site. For sample identification, a sampling and analysis summary is presented in Table 1.

A summary of the analytical data is presented in Table 2. The Quality Assurance/Quality Control (QA/QC) criteria by which these data have been assessed are outlined in the analytical methods and the documents entitled:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", October 1999, EPA 540/R-99/008

These documents will be referred to as the "Guidelines".

The data quality assessment and validation presented in the following subsections were performed based on all raw data including calibrations, surrogate recoveries, spike recoveries, duplicate, and blank results for all parameters.

2.0 SAMPLE HOLDING TIMES

The method-specified holding time criteria for this program were as follows:

Parameter	*Holding Time*
Target Compound List (TCL) Volatile Organic Compounds (VOCs)	14 Days from collection to analysis
TCL Semi-Volatile Organic Compounds (SVOCs)	7 Days from collection to extraction 40 Days from extraction to analysis
Total Petroleum Hydrocarbons (TPH) (Diesel Range Organics [DRO])	7 Days from collection to extraction 40 Days from extraction to analysis

All sample analyses were performed within the required holding times with the exception of one sample for DRO analysis. Due to instrumentation problems, the sample needed to be re-extracted and was done so out of holding time. The sample result was qualified as estimated (see Table 3). All samples were properly preserved and cooled at 4°C (±2°C) after collection. All samples were received by the laboratory in good condition.

3.0 GAS CHROMATOGRAPH/MASS SPECTROMETER (GC/MS) TUNING AND MASS CALIBRATION – VOCs AND SVOCs

Prior to analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, the VOC and SVOC method require the analysis of the specific tuning compounds bromofluorobenzene (BFB) and decafluorotriphenylphosphine (DFTPP). The resulting spectra must meet the criteria cited in the method before analysis is initiated. Analysis of the tuning compounds must then be repeated every 12 hours throughout sample analysis to ensure the continued optimization of the instrument.

All instrument tuning data were reviewed. The tuning compound was analyzed at the required frequency throughout the analytical periods. All tuning criteria were met for the analysis, indicating proper optimization of the instrumentation.

4.0 INSTRUMENT CALIBRATION

4.1 GC/MS CALIBRATION – VOCs AND SVOCs

4.1.1 INITIAL CALIBRATION

To quantify compounds of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a five-point calibration curve containing all compounds of interest is analyzed.

Linearity of the curve and instrument sensitivity were evaluated against the following criteria:

i) All relative response factors (RRFs) must be greater than or equal to 0.05.

ii) Percent relative standard deviation (%RSD) values must not exceed 30 percent.

The initial calibration data for VOCs and SVOCs were reviewed. Initial calibration standards were analyzed as required and the data showed acceptable sensitivity and linearity for all compounds of interest.

4.1.2 CONTINUING CALIBRATION

To ensure that instrument calibration is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 12 hours.

The following criteria were employed to evaluate continuing calibration data:

i) All RRF values must be greater than or equal to 0.05; and

ii) Percent difference (%D) values must not exceed 25 percent.

All response factors met the method criteria, indicating adequate analyte sensitivity. Variability was observed between the initial and continuing responses of various VOCs. All associated data were qualified as estimated to reflect the implied variability (see Table 4).

4.2 GC CALIBRATION –TPH (DRO)

4.2.1 INITIAL CALIBRATION

To quantify compounds of interest, calibration of the method specified gas chromatograph (GC) detector over a specific concentration range must be performed. Retention time windows are also calculated from the initial calibration analyses. These windows are used to identify all compounds of interest in subsequent analyses.

Initial calibration standards were analyzed at the required frequencies and the method-specified linearity criteria were met for the TPH (DRO) analyses.

4.2.2 CONTINUING CALIBRATION

To ensure that the calibration of the instrument is valid throughout the sample analysis period, continuing calibration standards are analyzed and evaluated on a regular basis. To ensure that compound retention times do not vary over the analysis period, all retention times for continuing calibration compounds must fall within the established retention time windows.

Variability was observed between the initial and continuing responses of several DRO. All associated data were qualified as estimated to reflect the implied variability (see Table 4).

5.0 SURROGATE SPIKE RECOVERIES – VOCS, SVOCS, AND TPH (DRO)

In accordance with the method, all samples, blanks, and standards analyzed for VOCs, SVOCs and TPH (DRO) were spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of individual sample matrices on analytical efficiency.

All samples, blanks, and standards were spiked with the proper surrogates and all recoveries were within the method control limits, indicating good analytical efficiency.

6.0 INTERNAL STANDARD RECOVERIES – VOCs AND SVOCs

To ensure that changes in GC/MS response and sensitivity do not affect sample analysis results, internal standard (IS) compounds are added to all samples, blanks, and spike samples prior to analyses. All results are calculated as a ratio of the internal standard response. The criteria by which the internal standard results are assessed are as follows:

i) Internal standard area counts must not vary by more than a factor of two (-50 percent to +100 percent) from the associated calibration standard.

ii) The retention time of the internal standard must not vary more than ±30 seconds from the associated calibration standard.

All internal standard recoveries were acceptable, indicating adequate analytical efficiency and all analyte quantitations were performed using the proper internal standard.

7.0 LABORATORY BLANK ANALYSES

The purpose of assessing the results of laboratory blank analyses is to determine the existence and magnitude of sample contamination introduced during analysis. Laboratory blanks are prepared from deionized water and analyzed as samples.

All blank results were non-detect for the analytes of interest with the exception of low level concentrations of DRO. All associated sample results similar to the blank concentrations were qualified as non-detect (see Table 5).

For this study, laboratory blanks were analyzed at a minimum frequency of one per analytical batch.

8.0 BLANK SPIKE ANALYSES –VOCs, SVOCs, AND TPH (DRO)

Blank spikes are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects.

Blank samples were spiked with the method recommended compounds. All blank spike sample analyses yielded recoveries within the method control limits, indicating acceptable analytical accuracy.

9.0 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

The recoveries of MS/MSD analyses are used to assess the analytical accuracy achieved on individual sample matrices. The RPD between the MS and MSD is used to assess analytical precision.

An MS/MSD was analyzed at the required frequency for all parameters.

All recoveries were acceptable indicating adequate analytical accuracy and precision.

10.0 FIELD QA/QC

10.1 FIELD DUPLICATES

To assess the analytical and sampling protocol precision, field duplicates (as identified in Table 1) were collected and submitted "blind" to the laboratory. All data outside of estimated regions of detection demonstrated acceptable agreement indicating adequate sampling and analytical procedures.

10.2 TRIP BLANKS

Trip blanks were submitted with the aqueous samples for VOC analyses to evaluate the possibility of cross-contamination during sample collection, shipment, and/or storage. Chloromethane and methylene chloride were detected in one trip blank sample. All associated sample results with similar concentrations were qualified as non-detect (see Table 6). Sample results that were either non-detect or significantly greater than the concentration found in the trip blank would not have been impacted.

10.3 RINSE BLANKS

Rinse blanks were submitted for analysis of all parameters to assess the possibility of cross-contamination during sample collection. All results were non-detect for the analytes of interest.

11.0 CONCLUSION

Based on the assessment detailed in the foregoing, the data produced by Test America are acceptable with the noted qualifications and exceptions.

TABLES

TABLE 1

SAMPLING AND ANALYSIS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

					Analysis/Parameters			
Sample ID	*Location ID*	*Matrix*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*VOCs*	*SVOCs*	*TPH (DRO)*	*Comment*
GW-18631-092909-RR-001	GT-8	Water	09/29/09	15:50	X	X	X	
GW-18631-093009-RR-003	GT-5	Water	09/30/09	9:15	X	X	X	
GW-18631-093009-RR-005	VRI-3	Water	09/30/09	13:00	X	X	X	
GW-18631-093009-RR-007	VRI-4	Water	09/30/09	17:25	X	X	X	
GW-18631-100109-RR-009	GT-15	Water	10/01/09	10:20	X	X	X	
GW-18631-093009-BP-004	SMW-2	Water	09/30/09	12:50	X	X	X	
GW-18631-093009-BP-002	SMW-1	Water	09/30/09	11:35	X	X	X	
GW-18631-100109-RR-011	GT-16	Water	10/01/09	13:45	X	X	X	
GW-18631-100109-RR-013	GT-4	Water	10/01/09	16:15	X	X	X	
GW-18631-100209-RR-015	GT-14	Water	10/02/09	10:15	X	X	X	
GW-18631-100209-RR-017	GT-14	Water	10/02/09	10:40	X	X	X	Field duplicate of sample GW-18631-100209-RR-01
GW-18631-100209-RR-019	VRI-6	Water	10/02/09	12:45	X	X	X	
GW-18631-093009-BP-006	GT-1	Water	09/30/09	16:20	X	X	X	
GW-18631-100209-BP-008	GT-2R	Water	10/02/09	11:00	X	X	X	MS/MSD
GW-18631-100209-BP-010	GT-7	Water	10/02/09	14:40	X	X	X	
RB-18631-100509-BP-016	R.B.	Water	10/05/09	11:40	X	X	X	Rinse Blank
GW-18631-100509-BP-014	VRI-1	Water	10/05/09	13:40	X	X	X	
GW-18631-100509-RR-025	MW-9R	Water	10/05/09	14:55	X	X	X	
GW-18631-100509-RR-021	VRI-7	Water	10/05/09	12:10	X	X	X	
GW-18631-100509-RR-023	R.B.	Water	10/05/09	13:00	X	X	X	Rinse Blank
GW-18631-100509-BP-012	GT-10	Water	10/05/09	11:15	X	X	X	
GW-18631-100609-RR-027	VRI-3	Water	10/06/09	9:35	X	X	X	
GW-18631-100609-RR-029	GT-13	Water	10/06/09	12:45	X	X	X	
GW-18631-100609-BP-020	GT-12	Water	10/06/09	13:10	X	X	X	

TABLE 1

SAMPLING AND ANALYSIS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

					Analysis/Parameters			
Sample ID	*Location ID*	*Matrix*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*VOCs*	*SVOCs*	*TPH (DRO)*	*Comment*
GW-18631-100609-BP-018	VRI-2	Water	10/06/09	10:30	X	X	X	
GW-18631-100609-BP-022	VRI-5	Water	10/06/09	15:35	X	X	X	
Trip Blank	-	Water	10/02/09	-	X			Trip Blank
Trip Blank	-	Water	10/06/09	-	X			Trip Blank

Notes:

DRO Diesel Range Organics.
MS Matrix Spike.
MSD Matrix Spike Duplicate.
SVOCs Semi-Volatile Organic Compounds.
TPH Total Petroleum Hydrocarbon.
VOCs Volatile Organic Compounds.

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	*GT-1*	*GT-2R*	*GT-3*	*GT-4*	*GT-5*
	Sample ID:	*GW-18631-093009-BP-006*	*GW-18631-100209-BP-008*	*GW-18631-100609-RR-027*	*GW-18631-100109-RR-013*	*GW-18631-093009-RR-003*
	Sample Date:	*9/30/2009*	*10/2/2009*	*10/6/2009*	*10/1/2009*	*9/30/2009*
Parameters	*Units*					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trichloropropane	µg/L	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	µg/L	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl Ethyl Ketone)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	5.0 U	2.8 J	5.0 U	5.0 U	5.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.13 J
Bromodichloromethane	µg/L	0.22 J	0.24 J	1.0 U	0.97 J	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl Bromide)	µg/L	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ
Carbon disulfide	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.35 J	0.22 J	1.0 U	0.90 J	1.3
Chloromethane (Methyl Chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	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	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
Dibromochloromethane	µg/L	0.25 J	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	*GT-1*	*GT-2R*	*GT-3*	*GT-4*	*GT-5*
	Sample ID:	*GW-18631-093009-BP-006*	*GW-18631-100209-BP-008*	*GW-18631-100609-RR-027*	*GW-18631-100109-RR-013*	*GW-18631-093009-RR-003*
	Sample Date:	*9/30/2009*	*10/2/2009*	*10/6/2009*	*10/1/2009*	*9/30/2009*
Parameters	*Units*					
Volatile Organic Compounds (Cont'd.)						
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
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	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	0.36 J	0.25 J	1.0 U	1.0 U	1.0 U
n-Propylbenzene	µg/L	-	-	-	-	-
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	0.28 J	0.33 J	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.90 J
trans-1,2-Dichloroethene	µg/L	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	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.61 J
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Semi-volatile Organic Compounds						
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4,5-Trichlorophenol	µg/L	10 U	9.8 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	µg/L	10 U	9.8 U	10 U	10 U	10 U
2,4-Dichlorophenol	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	10 U	9.8 U	10 U	10 U	10 U
2,4-Dinitrophenol	µg/L	50 U	49 U	51 U	50 U	51 U
2,4-Dinitrotoluene	µg/L	10 U	9.8 U	10 U	10 U	10 U
2,6-Dinitrotoluene	µg/L	10 U	9.8 U	10 U	10 U	10 U
2-Chloronaphthalene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Chlorophenol	µg/L	10 U	9.8 U	10 U	10 U	10 U
2-Methylnaphthalene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Methylphenol	µg/L	10 U	9.8 U	10 U	10 U	10 U
2-Nitroaniline	µg/L	50 U	49 U	51 U	50 U	51 U
2-Nitrophenol	µg/L	10 U	9.8 U	10 U	10 U	10 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	GT-1	GT-2R	GT-3	GT-4	GT-5
	Sample ID:	GW-18631-093009-BP-006	GW-18631-100209-BP-008	GW-18631-100609-RR-027	GW-18631-100109-RR-013	GW-18631-093009-RR-003
	Sample Date:	9/30/2009	10/2/2009	10/6/2009	10/1/2009	9/30/2009
Parameters	*Units*					
Semi-volatile Organic Compounds (Cont'd.)						
3,3'-Dichlorobenzidine	µg/L	10 U	9.8 U	10 U	10 U	10 U
3-Nitroaniline	µg/L	50 U	49 U	51 U	50 U	51 U
4,6-Dinitro-2-methylphenol	µg/L	50 U	49 U	51 U	50 U	51 U
4-Bromophenyl phenyl ether	µg/L	10 U	9.8 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L	10 U	9.8 U	10 U	10 U	10 U
4-Chloroaniline	µg/L	10 U	9.8 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	10 U	9.8 U	10 U	10 U	10 U
4-Methylphenol	µg/L	10 U	9.8 U	10 U	10 U	10 U
4-Nitroaniline	µg/L	50 U	49 U	51 U	50 U	51 U
4-Nitrophenol	µg/L	50 U	49 U	51 U	50 U	51 U
Acenaphthene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acenaphthylene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acetophenone	µg/L	10 U	9.8 U	10 U	10 U	10 U
Anthracene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Atrazine	µg/L	10 U	9.8 U	10 U	10 U	10 U
Benzaldehyde	µg/L	10 U	9.8 U	10 U	10 U	10 U
Benzo(a)anthracene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzo(b)fluoranthene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzo(g,h,i)perylene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzo(k)fluoranthene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Biphenyl (1,1-Biphenyl)	µg/L	10 U	9.8 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	µg/L	10 U	9.8 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
bis(2-Ethylhexyl)phthalate	µg/L	10 U	9.8 U	10 U	10 U	10 U
Butyl benzylphthalate	µg/L	10 U	9.8 U	10 U	10 U	10 U
Caprolactam	µg/L	50 U	49 U	51 U	50 U	51 U
Carbazole	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chrysene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibenz(a,h)anthracene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibenzofuran	µg/L	10 U	9.8 U	10 U	10 U	10 U
Diethyl phthalate	µg/L	10 U	9.8 U	10 U	10 U	10 U
Dimethyl phthalate	µg/L	10 U	9.8 U	10 U	10 U	10 U
Di-n-butylphthalate	µg/L	10 U	9.8 U	10 U	10 U	10 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	*GT-1*	*GT-2R*	*GT-3*	*GT-4*	*GT-5*
	Sample ID:	*GW-18631-093009-BP-006*	*GW-18631-100209-BP-008*	*GW-18631-100609-RR-027*	*GW-18631-100109-RR-013*	*GW-18631-093009-RR-003*
	Sample Date:	*9/30/2009*	*10/2/2009*	*10/6/2009*	*10/1/2009*	*9/30/2009*
Parameters	*Units*					
Semi-volatile Organic Compounds (Cont'd.)						
Di-n-octyl phthalate	µg/L	10 U	9.8 U	10 U	10 U	10 U
Fluoranthene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Fluorene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachlorobenzene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachlorobutadiene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachlorocyclopentadiene	µg/L	10 U	9.8 U	10 U	10 U	10 U
Hexachloroethane	µg/L	10 U	9.8 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Isophorone	µg/L	10 U	9.8 U	10 U	10 U	10 U
Naphthalene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
N-Nitrosodi-n-propylamine	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
N-Nitrosodiphenylamine	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Pentachlorophenol	µg/L	10 U	9.8 U	10 U	10 U	10 U
Phenanthrene	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Phenol	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Pyrene	µg/L	2.0 U	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	100 UJ	100 U	100 UJ

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	GT-7	GT-8	GT-10	GT-12	GT-13
	Sample ID:	GW-18631-100209-BP-010	GW-18631-092909-RR-001	GW-18631-100509-BP-012	GW-18631-100609-BP-020	GW-18631-100609-RR-029
	Sample Date:	10/2/2009	9/29/2009	10/5/2009	10/6/2009	10/6/2009
Parameters	*Units*					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trichloropropane	µg/L	-	-	-	-	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	µg/L	-	-	-	-	5.9
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	-	-	-	-	20
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl Ethyl Ketone)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	3.2 J	5.0 U	3.3 J	2.9 J	5.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromomethane (Methyl Bromide)	µg/L	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	2.7	1.0 U
Chloromethane (Methyl Chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	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	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
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	GT-7	GT-8	GT-10	GT-12	GT-13
	Sample ID:	GW-18631-100209-BP-010	GW-18631-092909-RR-001	GW-18631-100509-BP-012	GW-18631-100609-BP-020	GW-18631-100609-RR-029
	Sample Date:	10/2/2009	9/29/2009	10/5/2009	10/6/2009	10/6/2009
Parameters	*Units*					
Volatile Organic Compounds (Cont'd.)						
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.3
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	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	0.59 J	1.0 U	0.28 J	1.0 U	1.0 U
n-Propylbenzene	µg/L	-	-	-	-	2.3
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	0.45 J	0.46 J	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	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	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.72 J	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Semi-volatile Organic Compounds						
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
2,4,5-Trichlorophenol	µg/L	10 U	12 U	10 U	9.6 U	11 U
2,4,6-Trichlorophenol	µg/L	10 U	12 U	10 U	9.6 U	11 U
2,4-Dichlorophenol	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
2,4-Dimethylphenol	µg/L	10 U	12 U	10 U	9.6 U	11 U
2,4-Dinitrophenol	µg/L	51 U	58 U	51 U	48 U	54 U
2,4-Dinitrotoluene	µg/L	10 U	12 U	10 U	9.6 U	11 U
2,6-Dinitrotoluene	µg/L	10 U	12 U	10 U	9.6 U	11 U
2-Chloronaphthalene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
2-Chlorophenol	µg/L	10 U	12 U	10 U	9.6 U	11 U
2-Methylnaphthalene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
2-Methylphenol	µg/L	10 U	12 U	10 U	9.6 U	11 U
2-Nitroaniline	µg/L	51 U	58 U	51 U	48 U	54 U
2-Nitrophenol	µg/L	10 U	12 U	10 U	9.6 U	11 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	*GT-7*	*GT-8*	*GT-10*	*GT-12*	*GT-13*
	Sample ID:	*GW-18631-100209-BP-010*	*GW-18631-092909-RR-001*	*GW-18631-100509-BP-012*	*GW-18631-100609-BP-020*	*GW-18631-100609-RR-029*
	Sample Date:	*10/2/2009*	*9/29/2009*	*10/5/2009*	*10/6/2009*	*10/6/2009*
Parameters	*Units*					
Semi-volatile Organic Compounds (Cont'd.)						
3,3'-Dichlorobenzidine	µg/L	10 U	12 U	10 U	9.6 U	11 U
3-Nitroaniline	µg/L	51 U	58 U	51 U	48 U	54 U
4,6-Dinitro-2-methylphenol	µg/L	51 U	58 U	51 U	48 U	54 U
4-Bromophenyl phenyl ether	µg/L	10 U	12 U	10 U	9.6 U	11 U
4-Chloro-3-methylphenol	µg/L	10 U	12 U	10 U	9.6 U	11 U
4-Chloroaniline	µg/L	10 U	12 U	10 U	9.6 U	11 U
4-Chlorophenyl phenyl ether	µg/L	10 U	12 U	10 U	9.6 U	11 U
4-Methylphenol	µg/L	10 U	12 U	10 U	9.6 U	11 U
4-Nitroaniline	µg/L	51 U	58 U	51 U	48 U	54 U
4-Nitrophenol	µg/L	51 U	58 U	51 U	48 U	54 U
Acenaphthene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Acenaphthylene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Acetophenone	µg/L	10 U	12 U	10 U	9.6 U	11 U
Anthracene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Atrazine	µg/L	10 U	12 U	10 U	9.6 U	11 U
Benzaldehyde	µg/L	10 U	12 U	10 U	9.6 U	11 U
Benzo(a)anthracene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Benzo(a)pyrene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Benzo(b)fluoranthene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Benzo(g,h,i)perylene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Benzo(k)fluoranthene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Biphenyl (1,1-Biphenyl)	µg/L	10 U	12 U	10 U	9.6 U	11 U
bis(2-Chloroethoxy)methane	µg/L	10 U	12 U	10 U	9.6 U	11 U
bis(2-Chloroethyl)ether	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
bis(2-Ethylhexyl)phthalate	µg/L	10 U	12 U	10 U	9.6 U	11 U
Butyl benzylphthalate	µg/L	10 U	12 U	10 U	9.6 U	11 U
Caprolactam	µg/L	51 U	58 U	51 U	48 U	54 U
Carbazole	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Chrysene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Dibenz(a,h)anthracene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Dibenzofuran	µg/L	10 U	12 U	10 U	9.6 U	11 U
Diethyl phthalate	µg/L	10 U	12 U	10 U	9.6 U	11 U
Dimethyl phthalate	µg/L	10 U	12 U	10 U	9.6 U	11 U
Di-n-butylphthalate	µg/L	10 U	12 U	10 U	9.6 U	11 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	*GT-7*	*GT-8*	*GT-10*	*GT-12*	*GT-13*
	Sample ID:	*GW-18631-100209-BP-010*	*GW-18631-092909-RR-001*	*GW-18631-100509-BP-012*	*GW-18631-100609-BP-020*	*GW-18631-100609-RR-029*
	Sample Date:	*10/2/2009*	*9/29/2009*	*10/5/2009*	*10/6/2009*	*10/6/2009*
Parameters	*Units*					
Semi-volatile Organic Compounds (Cont'd.)						
Di-n-octyl phthalate	µg/L	10 U	12 U	10 U	9.6 U	11 U
Fluoranthene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Fluorene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Hexachlorobenzene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Hexachlorobutadiene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Hexachlorocyclopentadiene	µg/L	10 U	12 U	10 U	9.6 U	11 U
Hexachloroethane	µg/L	10 U	12 U	10 U	9.6 U	11 U
Indeno(1,2,3-cd)pyrene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Isophorone	µg/L	10 U	12 U	10 U	9.6 U	11 U
Naphthalene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Nitrobenzene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
N-Nitrosodi-n-propylamine	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
N-Nitrosodiphenylamine	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Pentachlorophenol	µg/L	10 U	12 U	10 U	9.6 U	11 U
Phenanthrene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Phenol	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Pyrene	µg/L	2.0 U	2.3 U	2.0 U	1.9 U	2.2 U
Petroleum Products						
Total Petroleum Hydrocarbons - extractable (DRO)	µg/L	100 UJ	100 UJ	100 U	100 U	100 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

Parameters	Units	Sample Location: GT-14 Sample ID: GW-18631-100209-RR-015 Sample Date: 10/2/2009	Sample Location: GT-14 Sample ID: GW-18631-100209-RR-017 Sample Date: 10/2/2009 Duplicate	Sample Location: GT-15 Sample ID: GW-18631-100109-RR-009 Sample Date: 10/1/2009	Sample Location: GT-16 Sample ID: GW-18631-100109-RR-011 Sample Date: 10/1/2009	Sample Location: MW-9R Sample ID: GW-18631-100509-RR-025 Sample Date: 10/5/2009
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trichloropropane	µg/L	1.0 U	1.0 U	-	-	-
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	µg/L	1.0 U	1.0 U	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	1.0 U	1.0 U	-	-	-
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl Ethyl Ketone)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	0.29 J	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Bromomethane (Methyl Bromide)	µg/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Carbon disulfide	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	0.30 J	1.1	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	0.25 J	4.7	1.0 U
Chloromethane (Methyl Chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	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	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
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	*GT-14*	*GT-14*	*GT-15*	*GT-16*	*MW-9R*
	Sample ID:	*GW-18631-100209-RR-015*	*GW-18631-100209-RR-017*	*GW-18631-100109-RR-009*	*GW-18631-100109-RR-011*	*GW-18631-100509-RR-025*
	Sample Date:	*10/2/2009*	*10/2/2009*	*10/1/2009*	*10/1/2009*	*10/5/2009*
			Duplicate			
Parameters	*Units*					
Volatile Organic Compounds (Cont'd.)						
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
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	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
n-Propylbenzene	µg/L	1.0 U	1.0 U	-	-	-
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	0.18 J	0.18 J	1.0 U
trans-1,2-Dichloroethene	µg/L	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	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.5	14	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Semi-volatile Organic Compounds						
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
2,4,5-Trichlorophenol	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
2,4,6-Trichlorophenol	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
2,4-Dichlorophenol	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
2,4-Dimethylphenol	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
2,4-Dinitrophenol	µg/L	49 U	54 U	50 U	56 U	50 U
2,4-Dinitrotoluene	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
2,6-Dinitrotoluene	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
2-Chloronaphthalene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
2-Chlorophenol	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
2-Methylnaphthalene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
2-Methylphenol	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
2-Nitroaniline	µg/L	49 U	54 U	50 U	56 U	50 U
2-Nitrophenol	µg/L	9.8 U	11 U	10 U	11 U	9.9 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

Parameters	Units	Sample Location: GT-14 Sample ID: GW-18631-100209-RR-015 Sample Date: 10/2/2009	GT-14 GW-18631-100209-RR-017 10/2/2009 Duplicate	GT-15 GW-18631-100109-RR-009 10/1/2009	GT-16 GW-18631-100109-RR-011 10/1/2009	MW-9R GW-18631-100509-RR-025 10/5/2009
Semi-volatile Organic Compounds (Cont'd.)						
3,3'-Dichlorobenzidine	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
3-Nitroaniline	µg/L	49 U	54 U	50 U	56 U	50 U
4,6-Dinitro-2-methylphenol	µg/L	49 U	54 U	50 U	56 U	50 U
4-Bromophenyl phenyl ether	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
4-Chloro-3-methylphenol	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
4-Chloroaniline	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
4-Chlorophenyl phenyl ether	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
4-Methylphenol	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
4-Nitroaniline	µg/L	49 U	54 U	50 U	56 U	50 U
4-Nitrophenol	µg/L	49 U	54 U	50 U	56 U	50 U
Acenaphthene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Acenaphthylene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Acetophenone	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
Anthracene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Atrazine	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
Benzaldehyde	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
Benzo(a)anthracene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Benzo(a)pyrene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Benzo(b)fluoranthene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Benzo(g,h,i)perylene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Benzo(k)fluoranthene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Biphenyl (1,1-Biphenyl)	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
bis(2-Chloroethoxy)methane	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
bis(2-Chloroethyl)ether	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
bis(2-Ethylhexyl)phthalate	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
Butyl benzylphthalate	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
Caprolactam	µg/L	49 U	54 U	50 U	56 U	50 U
Carbazole	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Chrysene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Dibenz(a,h)anthracene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Dibenzofuran	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
Diethyl phthalate	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
Dimethyl phthalate	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
Di-n-butylphthalate	µg/L	9.8 U	11 U	10 U	11 U	9.9 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	*GT-14*	*GT-14*	*GT-15*	*GT-16*	*MW-9R*
	Sample ID:	*GW-18631-100209-RR-015*	*GW-18631-100209-RR-017*	*GW-18631-100109-RR-009*	*GW-18631-100109-RR-011*	*GW-18631-100509-RR-025*
	Sample Date:	*10/2/2009*	*10/2/2009*	*10/1/2009*	*10/1/2009*	*10/5/2009*
			Duplicate			
Parameters	*Units*					
Semi-volatile Organic Compounds (Cont'd.)						
Di-n-octyl phthalate	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
Fluoranthene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Fluorene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Hexachlorobenzene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Hexachlorobutadiene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Hexachlorocyclopentadiene	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
Hexachloroethane	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
Indeno(1,2,3-cd)pyrene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Isophorone	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
Naphthalene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Nitrobenzene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
N-Nitrosodi-n-propylamine	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
N-Nitrosodiphenylamine	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Pentachlorophenol	µg/L	9.8 U	11 U	10 U	11 U	9.9 U
Phenanthrene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Phenol	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Pyrene	µg/L	2.0 U	2.2 U	2.0 U	2.2 U	2.0 U
Petroleum Products						
Total Petroleum Hydrocarbons - extractable (DRO)	µg/L	100 UJ	100 UJ	100 UJ	100 UJ	100 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	*SMW-1*	*SMW-2*	*VRI-1*	*VRI-2*	*VRI-3*
	Sample ID:	*GW-18631-093009-BP-002*	*GW-18631-093009-BP-004*	*GW-18631-100509-BP-014*	*GW-18631-100609-BP-018*	*GW-18631-093009-RR-005*
	Sample Date:	*9/30/2009*	*9/30/2009*	*10/5/2009*	*10/6/2009*	*9/30/2009*
Parameters	*Units*					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
1,2,3-Trichloropropane	µg/L	-	-	400 U	1.0 U	4.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
1,2,4-Trimethylbenzene	µg/L	-	-	14000	1.0 U	15
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
1,3,5-Trimethylbenzene	µg/L	-	-	5400	1.0 U	11
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
2-Butanone (Methyl Ethyl Ketone)	µg/L	5.0 U	5.0 U	2000 U	5.0 U	20 U
2-Hexanone	µg/L	5.0 U	5.0 U	2000 U	5.0 U	20 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	5.0 U	5.0 U	2000 U	5.0 U	20 U
Acetone	µg/L	5.0 U	3.3 J	2000 U	3.2 J	20 U
Benzene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Bromoform	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Bromomethane (Methyl Bromide)	µg/L	1.0 UJ	1.0 UJ	400 U	1.0 U	4.0 UJ
Carbon disulfide	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Chloroethane	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Chloromethane (Methyl Chloride)	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	SMW-1	SMW-2	VRI-1	VRI-2	VRI-3
	Sample ID:	GW-18631-093009-BP-002	GW-18631-093009-BP-004	GW-18631-100509-BP-014	GW-18631-100609-BP-018	GW-18631-093009-RR-005
	Sample Date:	9/30/2009	9/30/2009	10/5/2009	10/6/2009	9/30/2009
Parameters	*Units*					
Volatile Organic Compounds (Cont'd.)						
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Isopropylbenzene	µg/L	1.0 U	1.0 U	820	1.0 U	84
Methyl acetate	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Methyl Tert Butyl Ether	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Methylene chloride	µg/L	0.32 J	0.17 J	400 U	0.71 J	4.0 U
n-Propylbenzene	µg/L	-	-	870	1.0 U	13
Styrene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Toluene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Trichloroethene	µg/L	0.43 J	0.16 J	400 U	1.0 U	4.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	400 U	1.0 U	4.0 U
Xylene (total)	µg/L	3.0 U	3.0 U	8700	3.0 U	12 U
Semi-volatile Organic Compounds						
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
2,4,5-Trichlorophenol	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
2,4,6-Trichlorophenol	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
2,4-Dichlorophenol	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
2,4-Dimethylphenol	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
2,4-Dinitrophenol	µg/L	50 U	48 U	50 U	47 U	53 U
2,4-Dinitrotoluene	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
2,6-Dinitrotoluene	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
2-Chloronaphthalene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
2-Chlorophenol	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
2-Methylnaphthalene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
2-Methylphenol	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
2-Nitroaniline	µg/L	50 U	48 U	50 U	47 U	53 U
2-Nitrophenol	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	*SMW-1*	*SMW-2*	*VRI-1*	*VRI-2*	*VRI-3*
	Sample ID:	*GW-18631-093009-BP-002*	*GW-18631-093009-BP-004*	*GW-18631-100509-BP-014*	*GW-18631-100609-BP-018*	*GW-18631-093009-RR-005*
	Sample Date:	*9/30/2009*	*9/30/2009*	*10/5/2009*	*10/6/2009*	*9/30/2009*
Parameters	*Units*					
Semi-volatile Organic Compounds (Cont'd.)						
3,3'-Dichlorobenzidine	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
3-Nitroaniline	µg/L	50 U	48 U	50 U	47 U	53 U
4,6-Dinitro-2-methylphenol	µg/L	50 U	48 U	50 U	47 U	53 U
4-Bromophenyl phenyl ether	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
4-Chloro-3-methylphenol	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
4-Chloroaniline	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
4-Chlorophenyl phenyl ether	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
4-Methylphenol	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
4-Nitroaniline	µg/L	50 U	48 U	50 U	47 U	53 U
4-Nitrophenol	µg/L	50 U	48 U	50 U	47 U	53 U
Acenaphthene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Acenaphthylene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Acetophenone	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
Anthracene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Atrazine	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
Benzaldehyde	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
Benzo(a)anthracene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Benzo(a)pyrene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Benzo(b)fluoranthene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Benzo(g,h,i)perylene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Benzo(k)fluoranthene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Biphenyl (1,1-Biphenyl)	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
bis(2-Chloroethoxy)methane	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
bis(2-Chloroethyl)ether	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
bis(2-Ethylhexyl)phthalate	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
Butyl benzylphthalate	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
Caprolactam	µg/L	50 U	48 U	50 U	47 U	53 U
Carbazole	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Chrysene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Dibenz(a,h)anthracene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Dibenzofuran	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
Diethyl phthalate	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
Dimethyl phthalate	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
Di-n-butylphthalate	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	*SMW-1*	*SMW-2*	*VRI-1*	*VRI-2*	*VRI-3*
	Sample ID:	*GW-18631-093009-BP-002*	*GW-18631-093009-BP-004*	*GW-18631-100509-BP-014*	*GW-18631-100609-BP-018*	*GW-18631-093009-RR-005*
	Sample Date:	*9/30/2009*	*9/30/2009*	*10/5/2009*	*10/6/2009*	*9/30/2009*
Parameters	*Units*					
Semi-volatile Organic Compounds (Cont'd.)						
Di-n-octyl phthalate	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
Fluoranthene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Fluorene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Hexachlorobenzene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Hexachlorobutadiene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Hexachlorocyclopentadiene	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
Hexachloroethane	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
Indeno(1,2,3-cd)pyrene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Isophorone	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
Naphthalene	µg/L	2.0 U	1.9 U	6.4	1.9 U	2.1 U
Nitrobenzene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
N-Nitrosodi-n-propylamine	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
N-Nitrosodiphenylamine	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Pentachlorophenol	µg/L	9.9 U	9.7 U	9.9 U	9.4 U	11 U
Phenanthrene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Phenol	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Pyrene	µg/L	2.0 U	1.9 U	2.0 U	1.9 U	2.1 U
Petroleum Products						
Total Petroleum Hydrocarbons - extractable (DRO)	µg/L	100 UJ	100 UJ	36000	100 U	520

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	VRI-4	VRI-5	VRI-6	VRI-7
	Sample ID:	GW-18631-093009-RR-007	GW-18631-100609-BP-022	GW-18631-100209-RR-019	GW-18631-100509-RR-021
	Sample Date:	9/30/2009	10/6/2009	10/2/2009	10/5/2009
Parameters	*Units*				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	2.8
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trichloropropane	µg/L	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	µg/L	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 UJ
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	-	-	-	-
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl Ethyl Ketone)	µg/L	5.0 U	1.4 J	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.1	0.22 J	0.36 J	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 UJ
Bromomethane (Methyl Bromide)	µg/L	1.0 UJ	1.0 U	1.0 UJ	1.0 U
Carbon disulfide	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.4	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	2.7	0.86 J	5.0	1.0 U
Chloromethane (Methyl Chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	0.44 J	1.0 U	1.0 U	1.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	*VRI-4*	*VRI-5*	*VRI-6*	*VRI-7*
	Sample ID:	*GW-18631-093009-RR-007*	*GW-18631-100609-BP-022*	*GW-18631-100209-RR-019*	*GW-18631-100509-RR-021*
	Sample Date:	*9/30/2009*	*10/6/2009*	*10/2/2009*	*10/5/2009*
Parameters	***Units***				
Volatile Organic Compounds (Cont'd.)					
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
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	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
n-Propylbenzene	µg/L	-	-	-	-
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	0.28 J	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	0.86 J	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U
Semi-volatile Organic Compounds					
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
2,4,5-Trichlorophenol	µg/L	11 U	11 U	12 U	9.8 U
2,4,6-Trichlorophenol	µg/L	11 U	11 U	12 U	9.8 U
2,4-Dichlorophenol	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
2,4-Dimethylphenol	µg/L	11 U	11 U	12 U	9.8 U
2,4-Dinitrophenol	µg/L	56 U	57 U	59 U	49 U
2,4-Dinitrotoluene	µg/L	11 U	11 U	12 U	9.8 U
2,6-Dinitrotoluene	µg/L	11 U	11 U	12 U	9.8 U
2-Chloronaphthalene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
2-Chlorophenol	µg/L	11 U	11 U	12 U	9.8 U
2-Methylnaphthalene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
2-Methylphenol	µg/L	11 U	11 U	12 U	9.8 U
2-Nitroaniline	µg/L	56 U	57 U	59 U	49 U
2-Nitrophenol	µg/L	11 U	11 U	12 U	9.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	*VRI-4*	*VRI-5*	*VRI-6*	*VRI-7*
	Sample ID:	*GW-18631-093009-RR-007*	*GW-18631-100609-BP-022*	*GW-18631-100209-RR-019*	*GW-18631-100509-RR-021*
	Sample Date:	*9/30/2009*	*10/6/2009*	*10/2/2009*	*10/5/2009*
Parameters	*Units*				
Semi-volatile Organic Compounds (Cont'd.)					
3,3'-Dichlorobenzidine	µg/L	11 U	11 U	12 U	9.8 U
3-Nitroaniline	µg/L	56 U	57 U	59 U	49 U
4,6-Dinitro-2-methylphenol	µg/L	56 U	57 U	59 U	49 U
4-Bromophenyl phenyl ether	µg/L	11 U	11 U	12 U	9.8 U
4-Chloro-3-methylphenol	µg/L	11 U	11 U	12 U	9.8 U
4-Chloroaniline	µg/L	11 U	11 U	12 U	9.8 U
4-Chlorophenyl phenyl ether	µg/L	11 U	11 U	12 U	9.8 U
4-Methylphenol	µg/L	11 U	11 U	12 U	9.8 U
4-Nitroaniline	µg/L	56 U	57 U	59 U	49 U
4-Nitrophenol	µg/L	56 U	57 U	59 U	49 U
Acenaphthene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Acenaphthylene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Acetophenone	µg/L	11 U	11 U	12 U	9.8 U
Anthracene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Atrazine	µg/L	11 U	11 U	12 U	9.8 U
Benzaldehyde	µg/L	11 U	11 U	12 U	9.8 U
Benzo(a)anthracene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Benzo(a)pyrene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Benzo(b)fluoranthene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Benzo(g,h,i)perylene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Benzo(k)fluoranthene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Biphenyl (1,1-Biphenyl)	µg/L	11 U	11 U	12 U	9.8 U
bis(2-Chloroethoxy)methane	µg/L	11 U	11 U	12 U	9.8 U
bis(2-Chloroethyl)ether	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
bis(2-Ethylhexyl)phthalate	µg/L	11 U	11 U	12 U	9.8 U
Butyl benzylphthalate	µg/L	11 U	11 U	12 U	9.8 U
Caprolactam	µg/L	56 U	57 U	59 U	49 U
Carbazole	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Chrysene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Dibenz(a,h)anthracene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Dibenzofuran	µg/L	11 U	11 U	12 U	9.8 U
Diethyl phthalate	µg/L	1.2 J	11 U	12 U	9.8 U
Dimethyl phthalate	µg/L	11 U	11 U	12 U	9.8 U
Di-n-butylphthalate	µg/L	11 U	11 U	12 U	9.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

	Sample Location:	*VRI-4*	*VRI-5*	*VRI-6*	*VRI-7*
	Sample ID:	*GW-18631-093009-RR-007*	*GW-18631-100609-BP-022*	*GW-18631-100209-RR-019*	*GW-18631-100509-RR-021*
	Sample Date:	*9/30/2009*	*10/6/2009*	*10/2/2009*	*10/5/2009*
Parameters	***Units***				
Semi-volatile Organic Compounds (Cont'd.)					
Di-n-octyl phthalate	µg/L	11 U	11 U	12 U	9.8 U
Fluoranthene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Fluorene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Hexachlorobenzene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Hexachlorobutadiene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Hexachlorocyclopentadiene	µg/L	11 U	11 U	12 U	9.8 U
Hexachloroethane	µg/L	11 U	11 U	12 U	9.8 U
Indeno(1,2,3-cd)pyrene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Isophorone	µg/L	11 U	11 U	12 U	9.8 U
Naphthalene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Nitrobenzene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
N-Nitrosodi-n-propylamine	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
N-Nitrosodiphenylamine	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Pentachlorophenol	µg/L	11 U	11 U	12 U	9.8 U
Phenanthrene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Phenol	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Pyrene	µg/L	2.2 U	2.3 U	2.4 U	2.0 U
Petroleum Products					
Total Petroleum Hydrocarbons - extractable (DRO)	µg/L	100 UJ	100 U	100 UJ	180 U

TABLE 3

QUALIFIED SAMPLE RESULTS DUE TO HOLDING TIME EXCEEDANCES
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

Parameter	*Sample ID*	*Holding Time (days)*	*Holding Time Criteria (days)*	*Qualified Sample Results*	*Units*
DRO	GW-18631-100609-RR-027	8	7	100 UJ	µg/L

Notes:

DRO Diesel Range Organics.
UJ Not detected, estimated reporting limit.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

Parameter	*Calibration Date*	*Compound*	*%D*	*Associated Sample ID*	*Qualified Sample Results*	*Units*
VOCs	10/11/09	Bromomethane	42	GW-18631-092909-RR-001	1.0 UJ	µg/L
				GW-18631-093009-BP-002	1.0 UJ	µg/L
				GW-18631-093009-BP-004	1.0 UJ	µg/L
				GW-18631-093009-BP-006	1.0 UJ	µg/L
				GW-18631-093009-RR-003	1.0 UJ	µg/L
				GW-18631-093009-RR-005	4.0 UJ	µg/L
				GW-18631-093009-RR-007	1.0 UJ	µg/L
				GW-18631-100109-RR-009	1.0 UJ	µg/L
				GW-18631-100109-RR-011	1.0 UJ	µg/L
				GW-18631-100109-RR-013	1.0 UJ	µg/L
				GW-18631-100209-BP-008	1.0 UJ	µg/L
				GW-18631-100209-BP-010	1.0 UJ	µg/L
				GW-18631-100209-RR-015	1.0 UJ	µg/L
				GW-18631-100209-RR-017	1.0 UJ	µg/L
				GW-18631-100209-RR-019	1.0 UJ	µg/L
Total Petroleum Hydrocarbon	10/07/09	DRO	17	GW-18631-092909-RR-001	100 UJ	µg/L
				GW-18631-093009-BP-002	100 UJ	µg/L
				GW-18631-092909-RR-004	100 UJ	µg/L
				GW-18631-092909-RR-006	100 UJ	µg/L
				GW-18631-092909-RR-003	100 UJ	µg/L
				GW-18631-092909-RR-007	100 UJ	µg/L
				GW-18631-092909-RR-009	100 UJ	µg/L
				GW-18631-100109-RR-011	100 UJ	µg/L
				GW-18631-092909-RR-008	100 UJ	µg/L
				GW-18631-092909-RR-010	100 UJ	µg/L
				GW-18631-092909-RR-015	100 UJ	µg/L
				GW-18631-092909-RR-017	100 UJ	µg/L
				GW-18631-092909-RR-019	100 UJ	µg/L

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

Parameter	*Calibration Date*	*Compound*	*%D*	*Associated Sample ID*	*Qualified Sample Results*	*Units*
VOCs	10/15/09	Bromomethane	30	GW-18631-100509-BP-012	1.0 UJ	µg/L
				GW-18631-100509-RR-021	1.0 UJ	µg/L
				GW-18631-100509-RR-025	1.0 UJ	µg/L
VOCs	10/15/09	1,2-Dibromo-3-chloropropane	26	GW-18631-100509-BP-012	1.0 UJ	µg/L
				GW-18631-100509-RR-021	1.0 UJ	µg/L
				GW-18631-100509-RR-025	1.0 UJ	µg/L

Notes:

%D Percent Difference.
DRO Diesel Range Organics.
UJ Not detected, estimated reporting limit.
VOCs Volatile Organic Compounds.

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

Parameter	*Analysis Date*	*Analyte*	*Blank Result*	*Sample ID*	*Qualified Sample Result*	*Units*
Total Petroleum Hydrocarbon	10/6/2009	DRO	43J	GW-18631-092909-RR-001	100 U	µg/L
				GW-18631-092909-RR-004	100 U	µg/L
				GW-18631-092909-RR-006	100 U	µg/L
				GW-18631-092909-RR-003	100 U	µg/L
				GW-18631-092909-RR-007	100 U	µg/L
				GW-18631-092909-RR-009	100 U	µg/L
				GW-18631-092909-RR-013	100 U	µg/L
				GW-18631-092909-RR-008	100 U	µg/L
				GW-18631-092909-RR-010	100 U	µg/L
				GW-18631-092909-RR-015	100 U	µg/L
				GW-18631-092909-RR-017	100 U	µg/L
				GW-18631-092909-RR-019	100 U	µg/L
Total Petroleum Hydrocarbon	10/10/2009	DRO	58J	GW-18631-100509-BP-012	100 U	µg/L
				GW-18631-100509-RR-021	180 U	µg/L
				GW-18631-100509-RR-025	100 U	µg/L
				GW-18631-100609-BP-018	100 U	µg/L
				GW-18631-100609-BP-020	100 U	µg/L
				GW-18631-100609-BP-022	100 U	µg/L
				GW-18631-100609-RR-029	100 U	µg/L

Notes:

DRO Diesel Range Organics.
J Estimated.
U Not detected.

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE TRIP BLANK
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
VON ROLL ISOLA SITE
SCHENECTADY, NEW YORK
SEPTEMBER - OCTOBER 2009

Parameter	*Blank Date*	*Analyte*	*Blank Result*	*Associated Sample ID*	*Qualified Sample Result*	*Units*
VOCs	10/06/09	Chloromethane	0.51J	GW-18631-100609-BP-018	1 U	µg/L
				GW-18631-100609-BP-022	1 U	µg/L
VOCs	10/06/09	Methylene chloride	0.99J	GW-18631-100509-BP-012	1 U	µg/L
				GW-18631-100609-BP-018	1 U	µg/L

Notes:

J Estimated.
U Not detected.
VOCs Volatile Organic Compounds.