### 2008 ANNUAL REPORT

# Groundwater Monitoring and Sampling Results

## Envirotek II/Roblin Steel Site

**April 2009** 

Amherst, New York

Copyright © 04/09, Stearns & Wheler, LLC



### 2008 ANNUAL REPORT

### GROUNDWATER MONITORING AND SAMPLING RESULTS ENVIROTEK II / ROBLIN STEEL SITE

### Prepared by:

### STEARNS & WHELER, LLC

Environmental Engineers and Scientists University Centre, Suite 100 415 North French Road Amherst, New York 14228

April 2009

S&W Project No. 81193

### TABLE OF CONTENTS

		<u>Page</u>
SECTION 1.1 1.2	1 – SITE BACKGROUND	1 1 1
SECTION	2 – GROUNDWATER MONITORING ACTIVITIES	5
3.1 3.2 3.3	3 – GROUNWATER MONITORING RESULTS	6 6 6 9
SECTION	4 – CONCLUSIONS	10
Figure No.	LIST OF FIGURES	
1 2 3 4 5 6 7 8 9 10 11 12 13 14	Site Location Map Site Plan Groundwater Elevation Contour Map Groundwater Total VOC Concentration Map - October 7, 2008 VOC Concentrations at ENV-1 VOC Concentrations at ENV-3 VOC Concentrations at ENV-4 VOC Concentrations at ENV-7 VOC Concentrations at ENV-8 VOC Concentrations at ENV-9 VOC Concentrations at ENV-11 VOC Concentrations at GW-3 VOC Concentrations at NRG-3 VOC Concentrations at NRG-4	

### LIST OF TABLES

### Table No.

- Groundwater Level Measurements 1
- Field Measured Parameters Volatile Organics Analysis 2
- 3

### LIST OF APPENDICES

### **Appendix**

- A
- Laboratory Analytical Results Historical Groundwater Total VOC Concentration Figures Groundwater Field Sampling Records Institutional & Engineering Controls Certification Form В
- $\mathbf{C}$
- D

### **SECTION 1 – SITE BACKGROUND**

### 1.1 SITE LOCATION

The site consists of a 2.5-acre parcel of land located within the 50-acre Roblin Steel complex (NYSDEC Site #915056) at 4000 River Road in the Town of Tonawanda, Erie County, New York. A site location map is presented on Figure 1. Figure 2 presents a site plan of the Roblin Steel complex that includes the Envirotek II site. The Roblin Steel complex, which is presently owned by Niagara River World, Inc. (NRW), is bounded on the west by the Niagara River, on the east by River Road, on the south by Marathon Oil, and on the north by a facility that was investigated and remediated by the NYSDEC (i.e., the River Road Site, NYSDEC Site #915031).

#### 1.2 SITE HISTORY

The history of the site is interrelated with the history of the Roblin Steel complex, as the site was formerly leased by Envirotek Ltd. Company (Envirotek) from Roblin Steel for industrial use. Between August 1981 and June 1989, Envirotek operated a solvent recovery operation at the site located within the Roblin Steel property.

A review of the property history indicates that the Roblin Steel site was the location of industrial steel production operations beginning in the early 1900s. The property was developed in the early 1900s for the production of steel by the Wickwire Spencer Steel Company (Wickwire). In 1945, the property was sold to the Colorado Fuel and Iron Corporation (Colorado F&I), which subsequently merged with Wickwire, and was operated by Colorado F&I until it went bankrupt in 1963. In the mid- to late-1960s, Roblin Steel purchased the property and used it primarily for storage. Roblin Steel also subleased portions of the property to a number of other companies, including, but not limited to, Ascension Chemical, Rupp Rental, Freightways Transportation, Envirotek, and Booth Oil.

In 1984, the NYSDEC issued a Resource Conservation and Recovery Act (RCRA) Part B Permit to Envirotek to operate the site as a hazardous waste treatment, storage, and disposal facility. After violations of this permit in 1985, including improper waste characterization, RCRA drum handling violations, and lack of insurance and financial

assurance, Envirotek entered into an Administrative Order of Consent (AOC) with the NYSDEC that required a reduction of Envirotek's hazardous waste inventory.

In 1988, Envirotek submitted a Facility Closure Plan (Envirotek, 1988) to the NYSDEC to remove and dispose of all materials remaining onsite and to take measures to decontaminate the property. The NYSDEC denied approval of the Facility Closure Plan after its review and determined this plan was unacceptable. NYSDEC believed that it contained inaccurate closure costs and proposed the use of unqualified personnel to implement the site closure.

On February 2, 1989, Envirotek filed a petition under Chapter 11 of the Bankruptcy Code in the United States Bankruptcy Court of the Western District of New York. The current owner of the property, NRW, evicted Envirotek in June 1989, at which time Envirotek abandoned the facility. On November 16, 1989, the NYSDEC formally revoked Envirotek's RCRA Part B Permit to operate on the basis of Envirotek's inability to develop an acceptable Facility Closure Plan.

Following abandonment of the site, the United States Environmental Protection Agency (USEPA) inspected the site and confirmed the presence of abandoned and unsecured drums and containers, pits containing hazardous substances, and contaminated process vessels and tanks. As a result, the USEPA notified former Envirotek customers of their potential liability at the site and requested a removal action. In May of 1990, the USEPA entered into an AOC with site respondents to perform a removal action at the site (Removal Action AOC).

In November 1990, implementation of a Remedial Action Sampling Plan (RASP) was completed at the site to identify areas onsite, other than the Still Discharge Area (SDA), at which spills or releases of chemical compounds may have occurred. The results of this investigation indicated the following:

- The soil gas survey indicated elevated levels of VOCs in the area of the SDA and in an area to the west of Building 153.
- The analytical results for the groundwater sampling indicated the presence of VOC-impacted groundwater associated with the site.

• The analytical results for the soil sampling indicated that there were elevated levels of chlorinated and aromatic VOCs and that the soils containing the highest level of VOCs were located in the vicinity of the SDA.

In May 1993, implementation of a removal action that consisted of the removal of approximately 175 tons of impacted soil from the SDA was completed.

The NYSDEC and the Envirotek II/Roblin Steel Site PRP Group entered into a Consent Order on September 2, 1997 and on August 20, 1998. The Consent Order, and its amendment, obligated the responsible parties to implement a remedial investigation/feasibility study (RI/FS) remedial program.

The Envirotek II/Roblin Steel Site PRP Group conducted an RI at the site to assess the onsite surface and subsurface soil quality, offsite subsurface soil quality, site groundwater quality, and site geologic and hydrogeologic characteristics. The results of the RI for the site are presented in the RI Report. Based on the results of the RI report, the Envirotek II/Roblin Steel Site PRP Group submitted the following three recommendations to the NYSDEC.

- Defined as OU-1, the implementation of an Interim Remedial Measure (IRM) to remove the Boiler House ink waste for offsite disposal; removing soils containing elevated levels of VOCs from Waste Pit No. 6, decontaminating the pit, and backfilling the pit with clean backfill; and disposing of all solid, liquid, and personal protection equipment generated during this IRM to an approved offsite disposal facility.
- Defined as OU-2, the reduction of the potential for migration of VOC constituents of concern (COCs) from source-area soils to the shallow overburden groundwater.
- Defined as OU-3, the reduction of the concentration of VOC COCs in shallow overburden groundwater associated with elevated VOC concentrations in source area soils.

The implementation of the OU-2 IRM had an expected significant beneficial effect on OU-3 due to the removal of 7,100 tons of impacted soil as a potential future groundwater source of VOC COCs. The IRM Final Report for OU-3 presented an evaluation of

groundwater gauging and sampling data and the historical occurrence and future viability of natural attenuation and supported the selection of an MNA remedy.

The NYSDEC approved the IRM Final Report for OU-3 in March 2005. On March 11, 2005, the Envirotek Il/Roblin Steel Site PRP Group submitted the Focused Feasibility Study Report (FFS) that identified MNA as the best remedial option for OU-3, which was approved by the NYSDEC. The NYSDEC then issued the ROD for the site on March 31, 2005, which selects MNA as the proposed remedy to compete the final remedial action of OU-3.

The Monitoring Plan for OU-3 proposed to implement an annual MNA groundwater sampling program utilizing the existing monitoring well network. The objective of the Monitoring Plan for OU-3 is to obtain additional groundwater monitoring data, to supplement the existing data, and to evaluate whether MNA continues to be an effective remedy for OU-3.

#### SECTION 2 – GROUNDWATER MONITORING ACTIVITIES

The 2008 monitoring program at the Envirotek II/Roblin Steel site consisted of one annual sampling event completed on October 9, 2008. Groundwater elevation data were collected from all site monitoring wells, with the exception of monitoring well ENV-11, which was dry. Groundwater samples were collected from the seven monitoring wells that define the OU-3 monitoring well network (ENV-1, ENV-3, ENV-4, ENV-7, ENV-8, ENV-9, and GW-3), along with two additional monitoring wells (NRG-3 and NRG-4).

Groundwater samples were collected using low-flow purging and sampling techniques. Prior to sampling, each monitoring well was purged using a peristaltic pump and dedicated tubing until parameters of pH, conductance, dissolved oxygen (DO), temperature, and oxidation-reduction potential (ORP) stabilized, which provides an indication that water drawn from the well is representative of the groundwater in the surrounding formation. The results of these field parameters are presented in Table 2. After the field parameters stabilized, samples were collected with a disposable bailer into sample containers provided by the laboratory.

Purge water generated during the groundwater sampling activities was containerized in labeled 55-gallon drums and staged onsite for disposal by Owner. Several quality control samples, including a trip blank, a field blank, a matrix spike and matrix spike duplicate, and a field duplicate were collected during the sampling event. Samples were delivered under a chain of custody to Upstate Laboratories, Inc. of Syracuse, New York for analysis of VOCs by USEPA SW-846 Method 8260.

No excavation took place on-site during groundwater monitoring activities or throughout the past twelve months. The Soil Management Plan was therefore not invoked. The Institutional and Engineering Controls Certification is presented in Appendix B.

#### SECTION 3 – GROUNDWATER MONITORING RESULTS

This section includes the results of the 2008 annual groundwater sampling event. Included are descriptions of site-specific hydrogeology, the identification and distribution of constitutes present in groundwater, and a comparison of historical data. Constitutes were compared to the applicable NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) Groundwater Standards and Guidance Values.

#### 3.1 SITE HYDROGEOLOGY

Groundwater elevation data collected during the sampling events are presented in Table 1. Figure 3 illustrates the groundwater elevation contours within the upper fill material based on the groundwater levels measured on October 9, 2008.

The groundwater elevation contours are consistent with historical interpretations. The groundwater flow has a unidirectional flow throughout the site due to the proximity of the Niagara River. As presented in the table below, the groundwater gradient calculated between monitoring wells ENV-1 and GW-3 and between ENV-1 and ENV-7 increased from 2006 reported groundwater gradient. Variation in groundwater levels and gradients are seasonal dependent upon the amount of precipitation received.

### **Groundwater Gradient Comparison**

Sampling Data	Groundwater Gradient						
Sampling Date	ENV-1 to GW-3	ENV-1 to ENV-7					
10/5/06	0.0038	0.0046					
10/9/08	0.0053	0.0068					

### 3.2 GROUNDWATER ANALYTICAL RESULTS

A summary of the compounds detected in groundwater during the 2008 Groundwater Sampling Event is presented in Table 3. Figure 4 illustrates the distribution of total VOC concentrations detected in each of the ten wells during the 2008 sampling event. Laboratory analytical data reports are provided in Appendix A. Historical groundwater analytical data is presented in Table 3. Historical groundwater total VOC concentration

Figures displaying the lateral extent of the total VOC concentration plume from the sampling events of October 2006, October 2005, September 2004, May 2004, September 1999 are provided in Appendix B.

The concentrations of cis-1,2-dichloroethene (ENV-3, ENV-4, ENV-7, and ENV-8), vinyl chloride (ENV-3, ENV-7, and ENV-8), and 1,1-dichloroethane (ENV-3) exceeded the NYSDEC TOGS. The concentrations of tetrachloroethane (ENV-3) and trichloroethene (ENV-3) were detected, but did not exceed the standard limit. As illustrated in Figure 4, there is an elevated total VOC concentration in groundwater within the shallow overburden zone in the central portion of the property at monitoring well ENV-7. Monitoring well ENV-7 contains the highest total VOC concentration onsite of 0.131 mg/L.

As presented in the historical groundwater total VOC concentration plume figures in Appendix B, the lateral extent of the total VOC plume has decreased over time. The figure from September 1999 shows a total VOC plume that laterally extends over the majority of the site, with a total VOC concentration detected at nearly 50 mg/L at well ENV-2. The total VOC plumes from sampling events in 2004 indicate significantly smaller total VOC plumes. Total VOC concentrations detected in groundwater at all monitoring wells in 2004 were less than 1 mg/L. Sampling events in 2005 and 2006 continue to decrease the total VOC concentrations and plume limits, with no VOCs detected in groundwater sampled from monitoring wells ENV-1 and GW-3. The total VOC plume in 2008 continued to decrease in its lateral extent as the VOC concentrations detected at ENV-7 and ENV-3 decreased. As shown in Figure 4 and Appendix B, the OU-3 MNA remedy has been shown to be sufficiently effective by decreasing the VOC plume over time and improving the site groundwater quality.

At monitoring wells NRG-3 and NRG-4, the laboratory attempted to analyze the compounds using the standard detection limit, but was unable to due to the sample foaming during purging procedure. The presence of unknown non-volatile organics caused a matrix interference to occur. The reporting limits were raised as a minimum dilution factor of five was used to analyze the samples. The laboratory was made aware of the importance of these wells based on proximity to the Niagara River and previous analytical results and will attempt to analyze these samples at the standard detection limit for future events.

The following table provides a descriptive analysis of groundwater analytical data collected from the OU-3 monitoring well network and monitoring wells NRG-3 and Long term trends in the following table have been evaluated to include the most recent sampling event of October 7, 2008. Concentration trend plots for selected compounds are presented on Figures 5 through 14.

### **Descriptive Analysis of Groundwater Quality Data**

Monitoring Well	Long-Term Trend Analysis	Additional Comments
ENV-1	No VOCs have been detected since 1990, with the exception of methylene chloride, which was detected at a low concentration in 2004.	No VOCs were detected during the 2008 groundwater sampling event.
ENV-3/3R	Variable, but generally low and decreasing VOC concentrations.	1,1-DCA, cis-1,2-DCE, and VC were detected at concentrations exceeding the NYSDEC TOGS.
ENV-4	Steady, low VOC concentrations	Only cis-1,2-DCE was detected at a concentration exceeding the NYSDEC TOGS.
ENV-7	Variable, but generally decreasing VOC concentrations.	Cis-1,2-DCE and VC were detected at concentrations exceeding the NYSDEC TOGS. Concentrations of all VOCs decreased during the 2008 groundwater sampling event.
ENV-8	Variable, but generally low VOC concentrations.	Cis-1,2-DCE and VC were detected at concentrations exceeding NYSDEC TOGS. VC increased from the 2006 sampling event.
ENV-9	No VOCs detected	No VOCs were detected above the NYSDEC TOGS.
GW-7	No VOCs detected	Previously reported significant damage to monitoring well, which prevents GW-7 from being sampled.
GW-3	No VOCs detected	No VOCs were detected during the 2008 groundwater sampling event.
NRG-3	VOCs detected in 2007 at low concentrations. Not enough historical data to evaluate long-term trends.	No VOCs were detected during the 2008 groundwater sampling event.
NRG-4	VOCs detected in 2007 at low concentrations. Not enough historical data to evaluate long-term trends.	No VOCs were detected during the 2008 groundwater sampling event.

 $\frac{\textbf{Notes:}}{\text{Cis-1,2-DCE}-\text{cis-1,2-dichloroethene}}$ 1,1-DCA - 1,1-dichloroethane

VC - vinvl chloride

NYSDEC TOGS - New York State Department of Environmental Conservation Technical and Operational Guidance Series

# 3.3 QUALITY ASSURANCE / QUALITY CONTROL ANALYTICAL RESULTS

Groundwater samples were analyzed for VOCs by USEPA SW-846 Method 8260 volatiles at Upstate Laboratories in Syracuse, New York. The laboratory data were independently reviewed by a data validator in accordance with USEPA National Functional Guidelines of October 1999.

The associated laboratory analytical reports of the field duplicate, equipment blank, and other quality assurance/quality control (QA/QC) samples collected during the October 2008 sampling event are presented in Appendix A. The QA/QC measurements examined for the data were within method-specified or laboratory-derived limits. No data were rejected as a result of the data validation.

#### **SECTION 4 – CONCLUSIONS**

The analysis of volatiles identified compounds that are present at concentrations that exceed groundwater standards. Analytical testing detected cis-1,2-Dichloroethene, vinyl chloride, and 1,1-dichloroethane (ENV-3) at concentrations that exceed the groundwater standards from the 2008 sampling event.

Trend analysis of volatile compounds from the evaluation and comparison of historical data and Figures 5 through 14 indicates that all compound concentrations are decreasing or remaining the same in groundwater at all monitoring wells except for vinyl chloride at ENV-8.

Concentrations of vinyl chloride at ENV-8 have fluctuated historically. The test results from the most recent sampling event have detected 12 ug/l (ppb) which represents the highest concentration detected to date and an increase from the test results from sampling events of 2004, 2005, and 2006. The test results from sampling event of September 2004 detected concentrations of vinyl chloride of 10 ug/l.

When comparing the historical groundwater total VOC plume figures with the most recent sampling event of October 7, 2008, the groundwater total VOC plume continues to decrease. Therefore, the OU-3 MNA remedy has been shown to be sufficiently effective by decreasing the VOC plume over time and improving the site groundwater quality.

### **FIGURES**



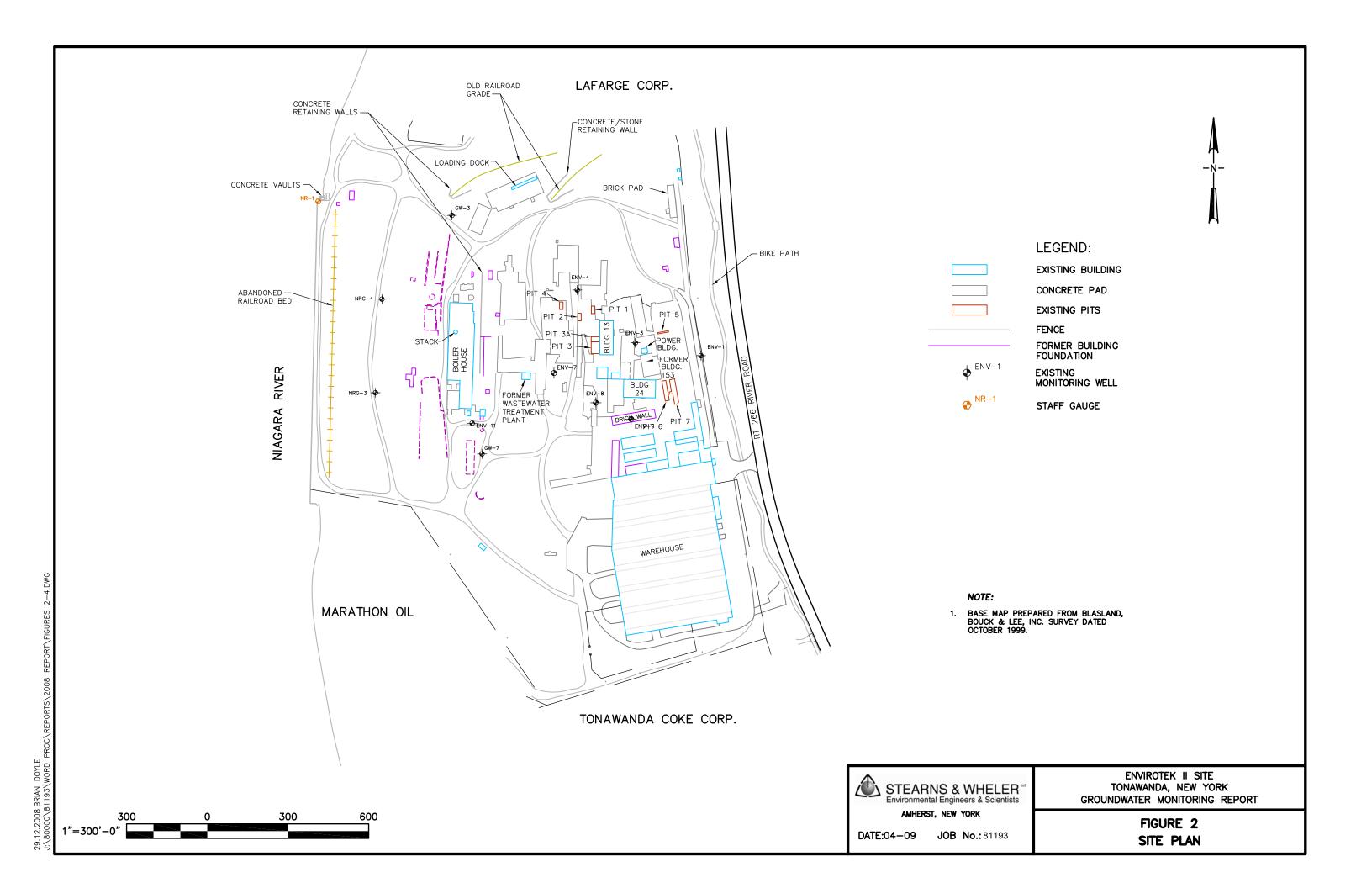


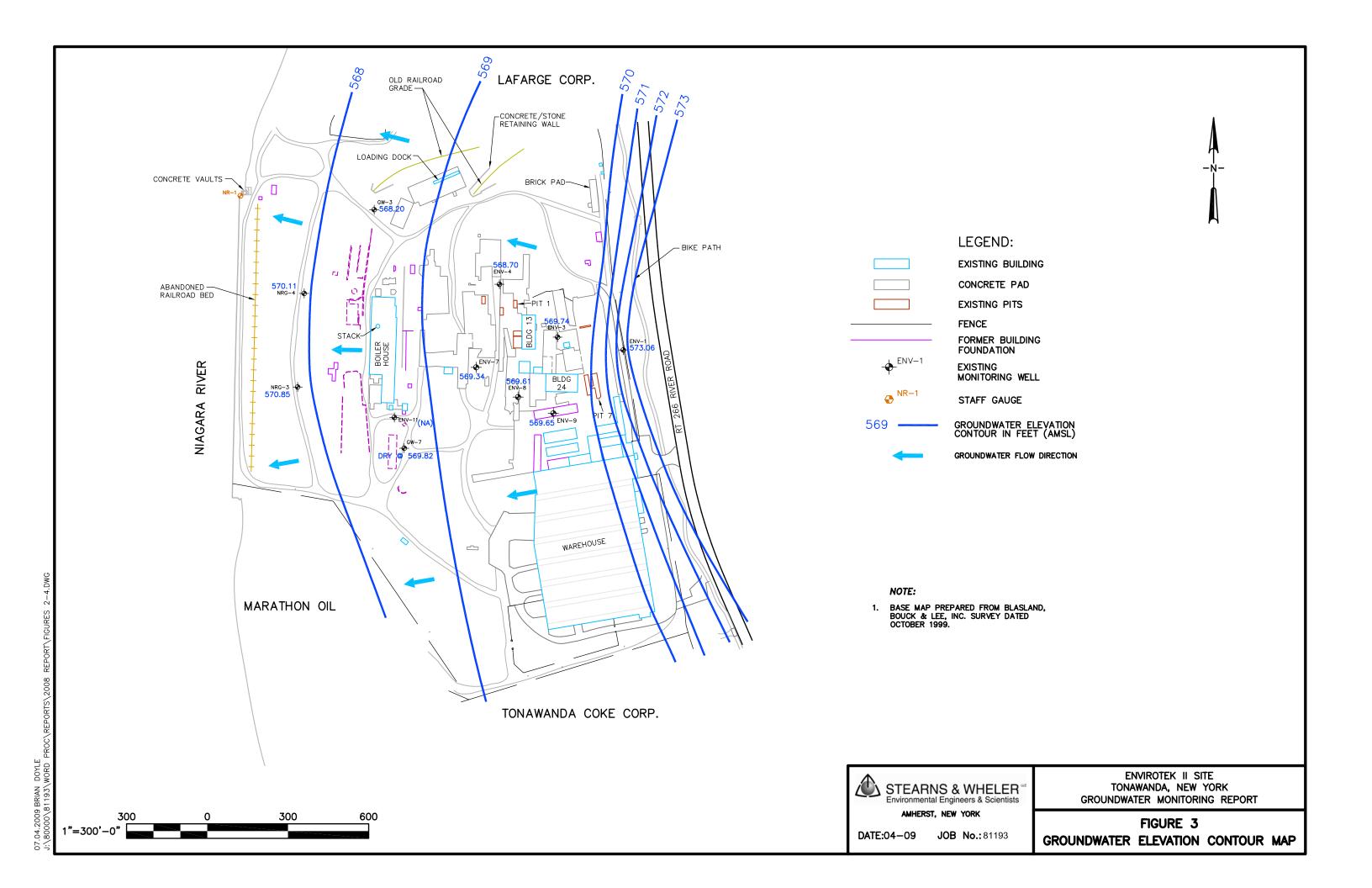
AMHERST, NEW YORK

DATE: 04-09 JOB No.:81193

TONAWANDA, NEW YORK GROUNDWATER MONITORING REPORT

> FIGURE 1 SITE LOCATION MAP





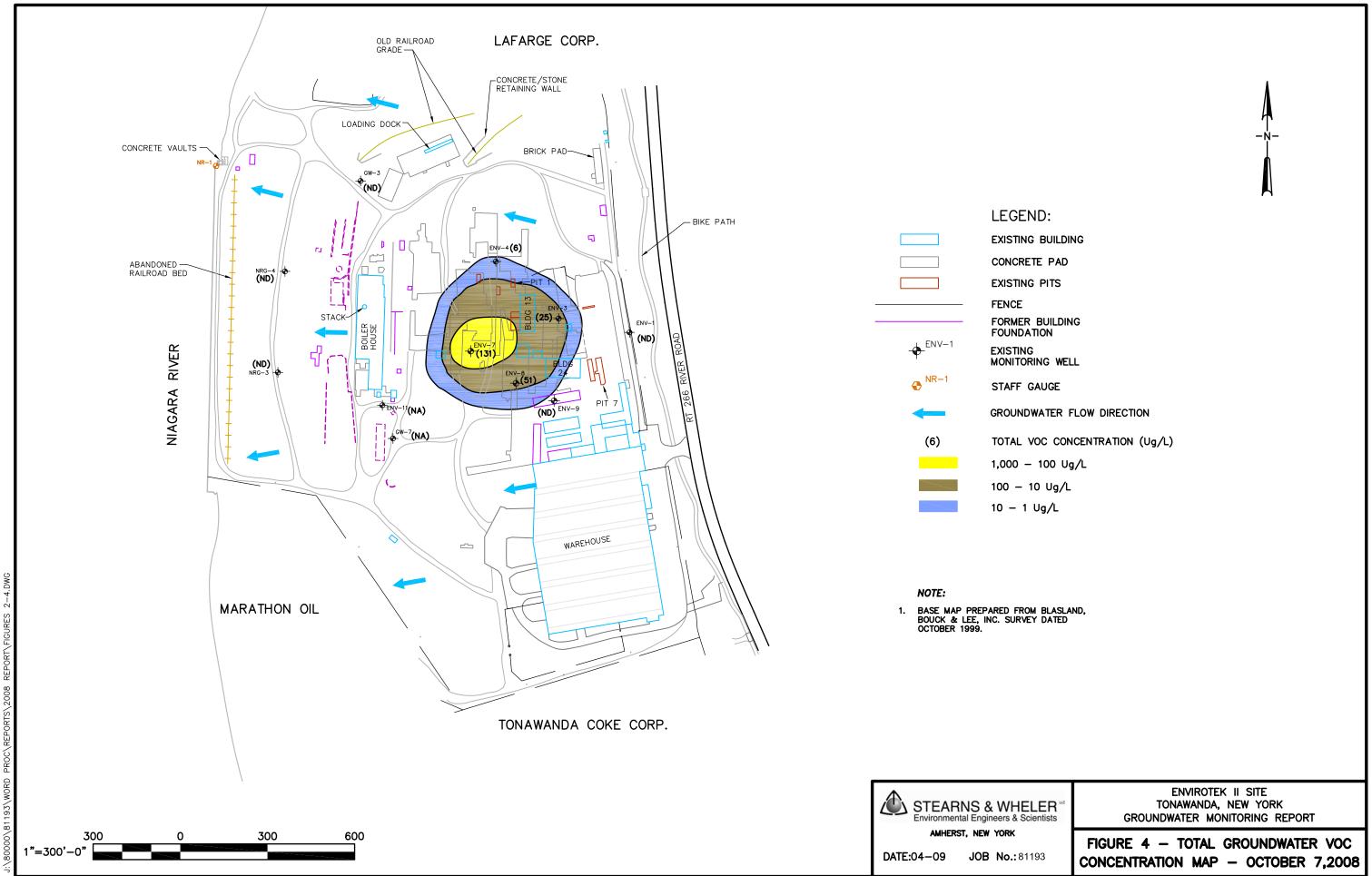


FIGURE 5
Groundwater VOC Concentrations in ENV-1 vs. Time

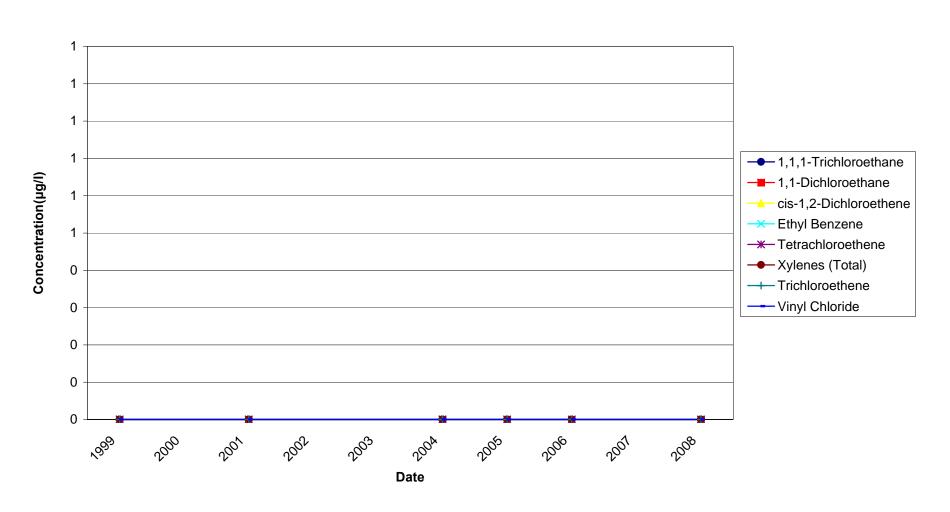


FIGURE 6
Groundwater VOC Concentrations in ENV-3 vs. Time

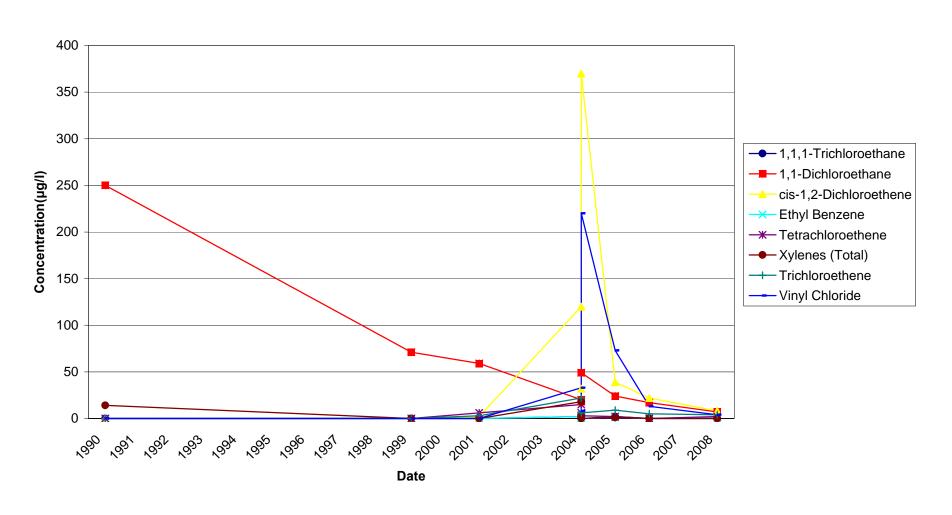


FIGURE 7
Groundwater VOC Concentrations in ENV-4 vs. Time

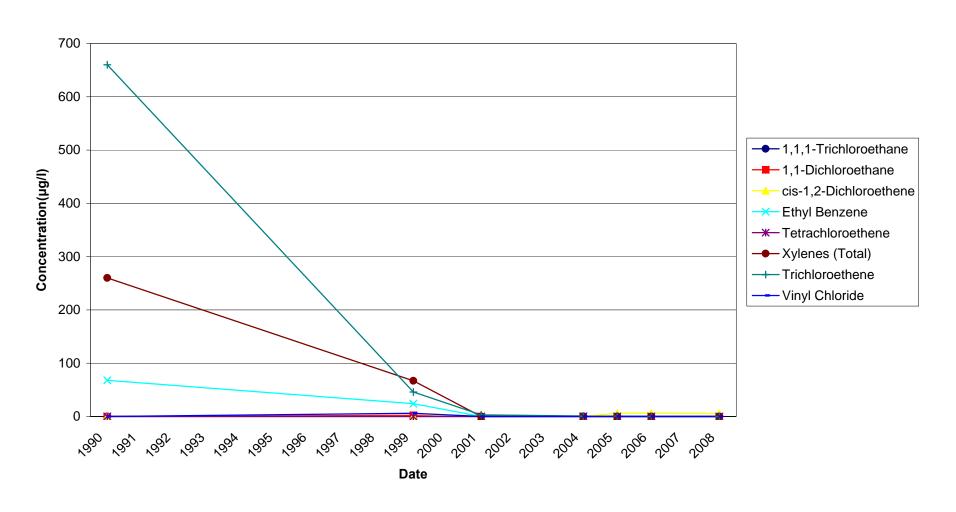


FIGURE 8
Groundwater VOC Concentrations in ENV-7 vs. Time

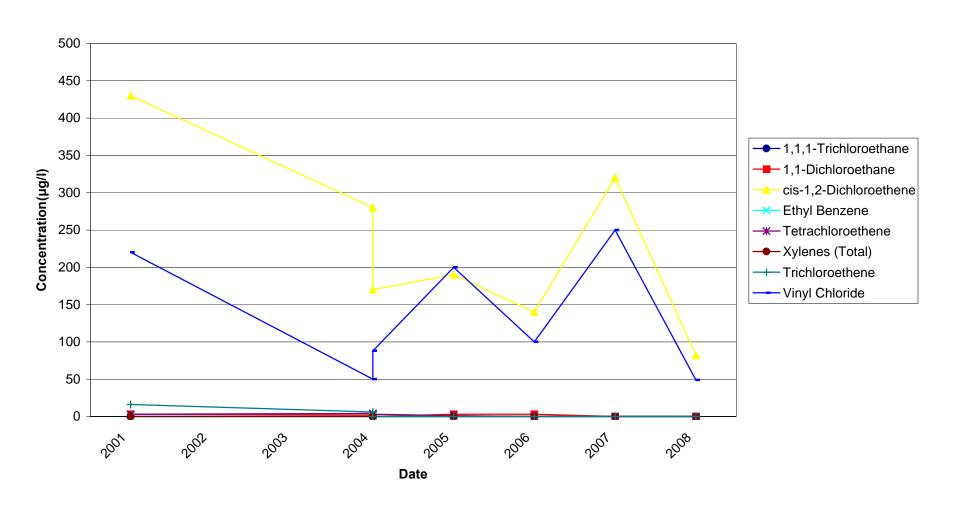


FIGURE 9
Groundwater VOC Concentrations in ENV-8 vs. Time

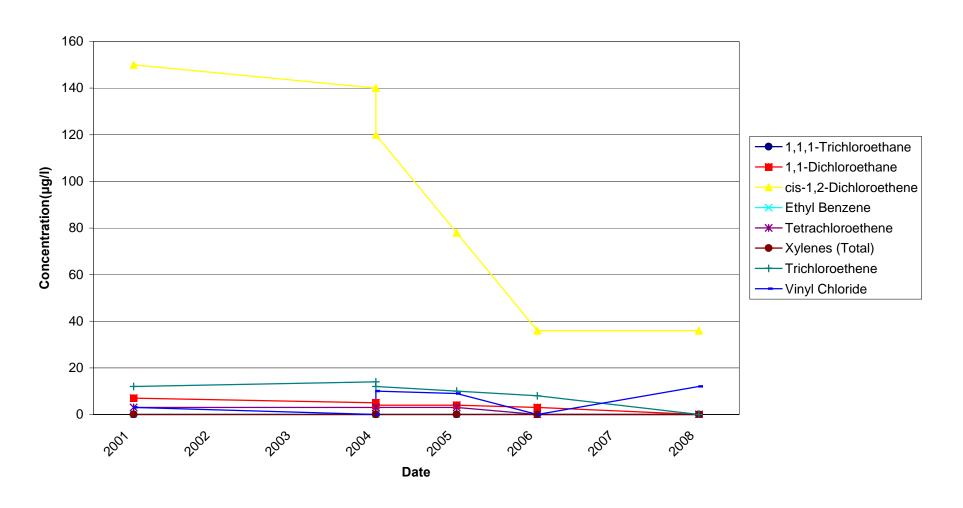


FIGURE 10
Groundwater VOC Concentrations in ENV-9 vs. Time

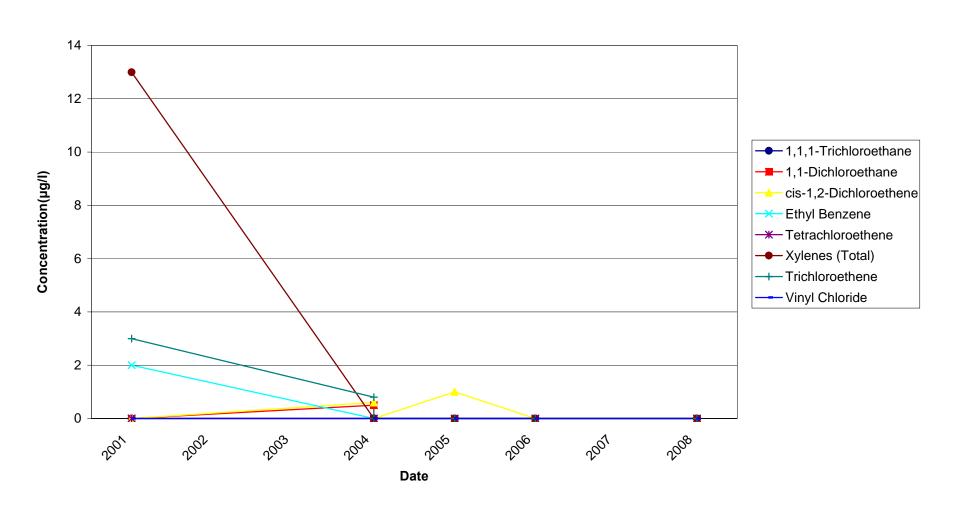


FIGURE 11
Groundwater VOC Concentrations in GW-7 vs. Time

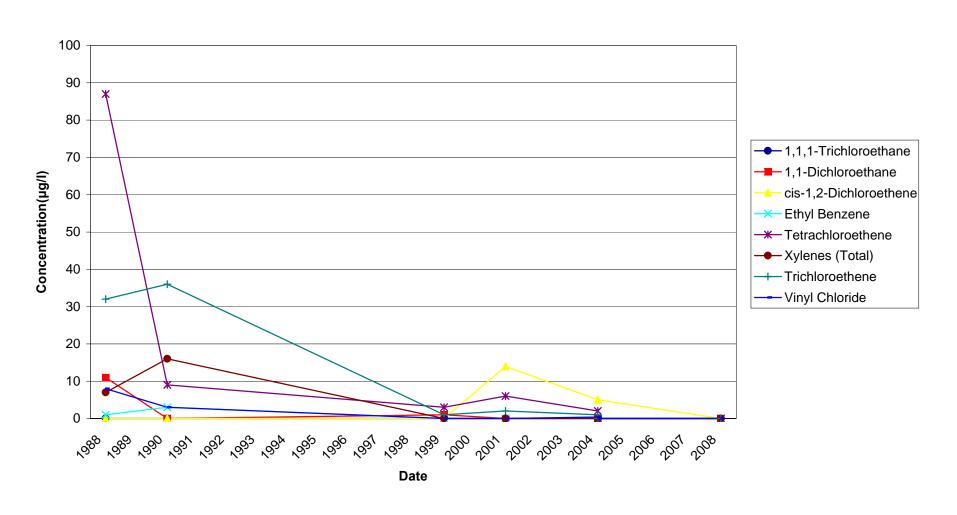


FIGURE 12
Groundwater VOC Concentrations in GW-3 vs. Time

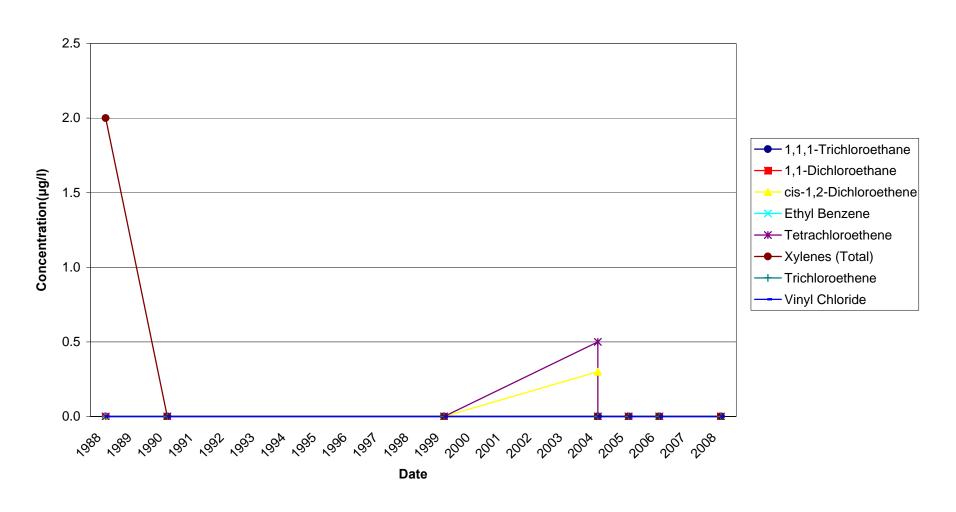


FIGURE 13
Groundwater VOC Concentrations in NRG-3 vs. Time

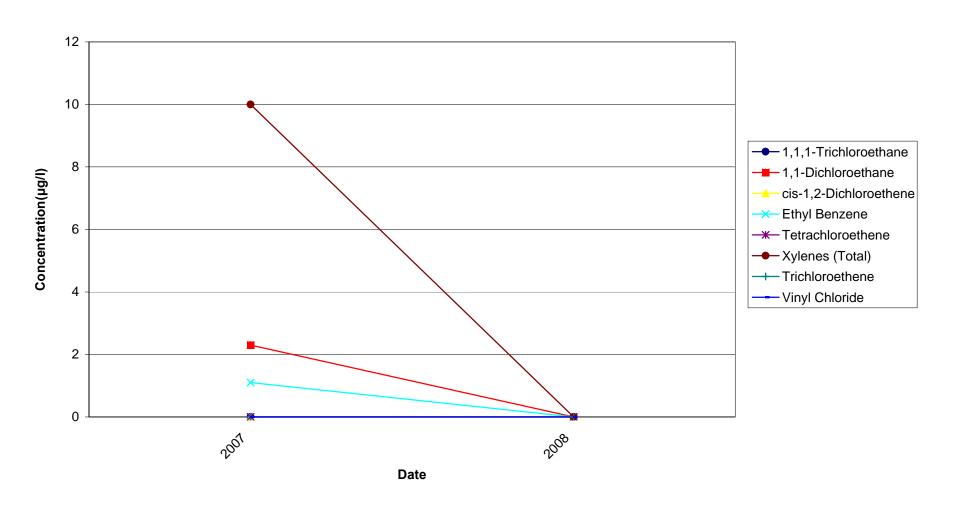
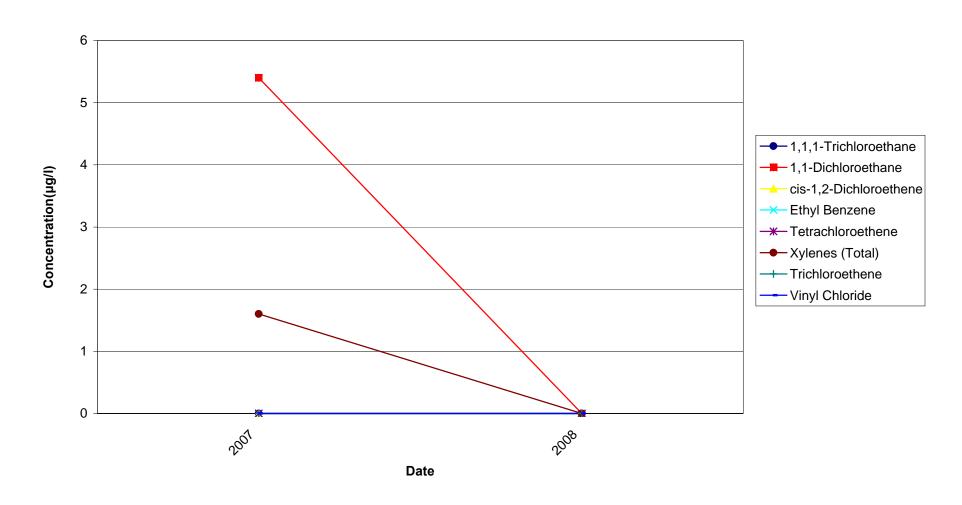


FIGURE 14
Groundwater VOC Concentrations in NRG-4 vs. Time



### **TABLES**



TABLE 1 Groundwater Level Measurements

					Groundwater	Elevation (feet)		
Monitoring Point I.D.	Ground Surface Elevation (ft.)	Reference Point (RP) Elevation (ft.)	May-04	September-04	October-05	October-06	March-07	October-08
ENV-1	579.95	579.46	572.36	572.17	571.65	572.95	572.28	573.06
ENV-3	NA	580.14	571.16	571.02	570.74	570.95	NA	569.74
ENV-4	580.21	582.60	571.39	571.21	570.25	570.43	NA	568.70
ENV-7	580.07	582.74	570.64	570.48	570.29	570.44	570.06	569.34
ENV-8	580.48	583.11	570.96	570.74	570.55	570.74	NA	569.61
ENV-9	580.77	583.65	570.95	570.72	570.57	570.78	NA	569.65
GW-7	579.26	581.96	570.18	570.03	569.77	570.06	Dry	Dry
GW-3	576.60	579.00	570.38	570.21	569.38	569.44	569.56	568.20
NRG-3	581.96	584.55	NA	NA	NA	NA	573.71	570.85
NRG-4	579.75	582.31	NA	NA	NA	NA	573.26	570.11

#### Notes:

Ground surface and reference point elevations based upon October 1999, June 2000, and March 2007 site surveys.

NA - data not available

TABLE 2
Field Measured Parameters

Parameter	Ten	nperature (	(°C)	pН	(standard u	nits)	Conductivity (mS/cm)			
Date Collected	10/17/05	10/05/06	10/07/08	10/17/05	10/05/06	10/07/08	10/17/05	10/05/06	10/07/08	
ENV-1	14.55	14.70	14.70	6.32	6.96	6.91	0.702	0.866	1.120	
ENV-3	16.04	15.60	15.10	7.95	8.39	7.64	0.834	0.984	1.140	
ENV-4	14.16	13.90	13.40	7.96	9.09	8.75	0.971	0.983	0.749	
ENV-7	13.89	13.10	13.80	7.74	8.50	7.65	0.567	0.911	0.945	
ENV-8	16.09	15.40	14.30	7.49	8.27	7.97	0.989	1.290	1.250	
ENV-9	14.76	13.90	13.90	7.90	8.17	6.50	1.708	2.170	2.440	
GW-7	-	-	-	-	-	-	-	-	-	
GW-3	13.44	13.10	14.20	10.11	11.71	11.39	1.116	1.360	1.830	
NRG-3	-	-	15.50	-	-	8.42	-	-	0.661	
NRG-4	-	-	15.00	-	-	10.02	-	-	0.472	

Parameter	Dissol	ved Oxygen	(mg/L)	Tu	rbidity (NT	Us)	ORP (mV)			
Date Collected	10/17/05	10/05/06	10/07/08	10/17/05	10/05/06	10/07/08	10/17/05	10/05/06	10/07/08	
ENV-1	0.30	9.28	2.78	5.2	2.0	101	-121.7	-169.0	-150.0	
ENV-3	0.36	9.49	1.85	0.9	1.2	316	-159.9	-248.0	-19.0	
ENV-4	0.00	9.60	1.96	9.7	2.0	136	-206.9	-330.0	-223.0	
ENV-7	0.54	4.72	2.80	0.0	0.0	71	58.7	-141.0	-49.0	
ENV-8	0.37	0.49	1.26	1.5	5.0	N/A	233.8	-162.0	22.0	
ENV-9	0.57	9.21	1.30	7.7	6.3	N/A	-208.1	-253.0	-45.0	
GW-7	-	-	-	-	-	-	-	-	-	
GW-3	0.17	0.00	1.83	3.7	0.4	44.20	-110.7	-296.0	-258.0	
NRG-3	-	-	2.02	-	-	250	-	-	-183.0	
NRG-4	-	-	2.74	-	-	78	-	-	-217.0	

### Notes:

°C - degrees Celsius

mS/cm - millisemens/centimeter

mV - millivolts

mg/L - milligrams per liter

NTU - nephelometric turbidity units

#### TABLE 3 Monitoring Well ENV-1 **Groundwater Analytical Results** Envirotek II Site

	NYSDEC TOGS 1.1.1 Water								
Volatile Compounds	Quality Standards <sup>1</sup>	Units	09/29/99	04/18/01	05/05/04	09/28/04	10/17/05	10/06/06	10/07/08
1,1,1-Trichloroethane	5	μg/L	10 U	10 U	1 U	5 U	10 U	1 U	5 U
1,1,2,2-Tetrachloroethane	5	μg/L	-	-	-	-	10 U	1 U	5 U
1,1,2-Trichlo-1,2,2-trifluoroethane	5	μg/L	-	-	-	-	10 U	1 U	5 U
1,1,2-Trichloroethane	1	μg/L	10 U	10 U	1 U	5 U	10 U	1 U	5 U
1,1-Dichloroethane	5	μg/L	10 U	10 U	1 U	5 U	10 U	1 U	5 U
1,1-Dichloroethene	5	μg/L	10 U	10 U	1 U	5 U	10 U	1 U	5 U
1,2,4-Trichlorobenzene	5	μg/L	-	-	-	-	10 U	1 U	5 U
1,2,4 -Trimethylbenzene	5	μg/L	-	-	-	-	-	-	5 U
1,2-Dibromo-3-Chloropropane DBCP	0.04	μg/L	-	-	-	-	10 U	1 U	5 U
1,2-Dibromoethane (EDB)	NE	μg/L	-	-	-	-	10 U	1 U	5 U
1,2-Dichlorobenzene	3	μg/L					10 U	1 U	5 U
1,2-Dichloroethane	0.6	μg/L	10 U	10 U	1 U	5 U	10 U	1 U	5 U
1,2-Dichloropropane	5	μg/L	-	-	-	-	10 U	1 U	5 U
1,3-Dichlorobenzene	3	μg/L	-	-	-	-	10 U	1 U	5 U
1,3,5-Trimethylbenzene	5	μg/L	-	-	-	-	-	-	5 U
1,4-Dichlorobenzene	3	μg/L	-	-	-	-	10 U	1 U	5 U
1,4-Dioxane	5	μg/L	-	-	-	-	-	-	100 U
2-Hexanone	50	μg/L	10 U	10 U	5 U	25 U	10 U	5U	10 U
Acetone	50	μg/L	10 U	10 U	5 U	25 U	10 U	5 UJ	10 U
Benzene	1	μg/L	10 U	10 U	1.00	5 U	10 U	1 U	5 U
Bromoform	50	μg/L	-	-	-	-	10 U	1 U	5 U
Bromomethane	5	μg/L	-	-	-	-	10 U	1 UJ	5 U
Carbon disulfide	60	μg/L	10 U	10 U	1 U	5 U	10 U	1 U	5 U
Carbon tetrachloride	5	μg/L	-	-	-	-	10 U	1 U	5 U
Chlorobenzene	5	μg/L	10 U	10 U	1 U	5 U	10 U	1 U	5 U
Chloroethane	5	μg/L	10 U	10 U	1 U	5 U	10 U	R	5 U
Chloroform	7	μg/L	10 U	10 U	1 U	5 U	10 U	1 U	5 U
Chloromethane	NE	μg/L	-	-	-	-	10 U	1 U	5 U
cis-1,2-Dichloroethene	5	μg/L	-	10 U	1 U	5 U	10 U	1 U	5 U
cis-1,3-Dichloropropene	0.40	μg/L	-	-	-	-	10 U	1 U	5 U
Cyclohexane	NE	μg/L	-	-	-	-	10 U	1 U	5 U
Dibromochloromethane	50	μg/L	-	-	-	-	10 U	1 U	5 U
Dichlorobromoethane	NE	μg/L	-	-	-	-	10 U	1 U	5U
Dichlorodifluoromethane	5	μg/L	-	-	-	-	10 U	1 U	5 U
Ethylbenzene	5	μg/L	10 U	10 U	1 U	5 U	10 U	1 U	5 U
Isopropylbenzene	5	μg/L	-	-	-	-	10 U	1 U	5 U
Methyl acetate	NE	μg/L	-	-	-	-	10 U	1 UJ	5 U
Methyl Ethyl Ketone	50	μg/L	10 U	10 U	1 U	25 U	10 U	5 U	10 U
Methyl Isobutyl Ketone	NE	μg/L	10 U	10 U	5 U	25 U	10 U	5 U	10 U
Methylcyclohexane	NE	μg/L	-	-	-	-	10 U	1 U	5 U
Methylene chloride	5	μg/L	10 U	10 U	2 U	3 J	10 U	1 U	5 U
Methyl-t-Butyl Ether (MTBE)	10	μg/L	-	-	-	-	10 U	1 U	5 U
m,p-Xylene	5	μg/L	-	-	-	-	10 U	1 U	5 U
n-Butylbenzene	5	μg/L	-	-	-	-	-	-	5 U
n-Propylbenzene	5	μg/L	-	-	-	-	-	-	5 U
o-Xylene	5	μg/L	-	-	-	-	10 U	1 U	5 U
sec-Butylbenzene	5	μg/L	-	-	-	-	-	-	5 U
Styrene	5	μg/L	-	-	-	-	-	-	5 U
tert-Butylbenzene	5	μg/L	-	-	-	-	-	-	5 U
Tetrachloroethene	5	μg/L	10 U	10 U	1 U	25 U	10 U	1 U	5 U
Toluene	5	μg/L	10 U	10 U	1 U	25 U	10 U	1 U	5 U
Total Xylenes	5	μg/L	10 U	10 U	3 U	15 U	10 U	3 U	5 U
trans-1, 2-Dichloroethene	5	μg/L	NA	10 U	1 U	5 U	10 U	1 U	5 U
trans-1,3-Dichloropropene	0.4	μg/L	-	-	-	-	10 U	1 U	5 U
Trichloroethene	5	μg/L	10 U	10 U	1 U	5 U	10 U	1 U	5 U
Trichlorofluoromethane	5	μg/L	-	-	-	-	10 U	1 U	5 U
Vinyl chloride	2	μg/L	10 U	10 U	1 U	5 U	10 U	1 U	5 U
Total VOCs		μg/L	ND	ND	ND	3	ND	ND	ND
Total VOCs		mg/L	ND	ND	ND	0.003	ND	ND	ND

#### Notes:

Notes:

1. New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1:

Ambient Water Quality Standards and Guidance Values (µg/L)

Bolded concentrations indicated the analyte was detected.

Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.

NE = NYSDEC TOGS 1.1.1 water quality standard not established.

U = The analyte was analyzed for but not detected. The associated value is the analyte quantitation limit.

- J = The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
- R = The sample results are rejected.
- D = Compound identified in analysis at a secondary dilution factor.
- = The analyte was not sampled for.

#### TABLE 3 Monitoring Well ENV-3 Groundwater Analytical Results Envirotek II Site

	NYSDEC TOGS 1.1.1										
Volatile Compounds	Water Quality Standards <sup>1</sup>	Units	11/19/90	10/01/99	04/18/01	05/05/04	07/15/04	09/28/04	10/17/05	10/05/06	10/07/08
1,1,1-Trichloroethane	vater Quanty Standards	μg/L	11/12/20	10 U	10 U	2.00	4 J	10 U	2 J	5 U	5 U
1,1,2,2-Tetrachloroethane	5	μg/L μg/L	_	-	-	2.00		-	10 U	5 U	5 U
1,1,2-Trichlo-1,2,2-trifluoroethane	5	μg/L μg/L	_		_	_	_	_	10 U	5 U	5 U
1,1,2-Trichloroethane	1	μg/L μg/L	_	10 U	10 U	1 U	_	10 U	10 U	5 U	5 U
1,1-Dichloroethane	5	μg/L μg/L	250	71	59	20	18	49	24	17	7
1,1-Dichloroethene	5	μg/L μg/L	-	10 U	10 U	1	-	10 U	10 U	5 U	5 U
1,2,4-Trichlorobenzene	5	μg/L μg/L	_	10.0	10 0		_	100	10 U	5 U	5 U
1,2,4 -Triemtolobelizene	5	μg/L μg/L	_		_	_	_	_	-	-	5 U
1,2-Dibromo-3-Chloropropane DBCP	0.04		_	_	_	_	_	_	10 U	5 U	5 U
1,2-Dibromoethane (EDB)	NE	μg/L	-	-	-	-	-	-	10 U	5 U	5 U
1,2-Dichlorobenzene	3	μg/L	-	-	-	-	-	-	10 U	5 U	5 U
1,2-Dichloroethane	0.6	μg/L	_	10 U	10 U	1		3 J	10 U	5 U	5 U
		μg/L	-			1	-				
1,2-Dichloropropane	5	μg/L	-	-	-	-	-	-	10 U	5 U	5 U
1,3-Dichlorobenzene	3	μg/L	-	- 1	-	-	-	-	10 U	5 U	5 U
1,3,5-Trimethylbenzene	5	μg/L	-	-	-	-	-	-	-	-	5 U
1,4-Dichlorobenzene	3	μg/L	-	-	-	-	-	-	10 U	5 U	5 U
1,4-Dioxane	5	μg/L	-	-	-	-	-	-	-	-	100 U
2-Hexanone	50	μg/L	-	10 U	10 U	5 U	-	50 U	10 U	25 U	10 U
Acetone	50	μg/L	-	10 U	10 U	5 U	-	50 U	10 U	25 UJ	10 U
Benzene	1	μg/L	-	1 J	10 U	1	-	10 U	10 U	5 U	5 U
Bromoform	50	μg/L	-	-	-	-	-	-	10 U	5 U	5 U
Bromomethane	5	μg/L	-	-	-	-	-	-	10 U	5 U J	5 U
Carbon disulfide	60	μg/L	-	10 U	10 U	1 U	-	10 U	10 U	5 U	5 U
Carbon tetrachloride	5	μg/L	-	-	-	-	-	-	10 U	5 U	5 U
Chlorobenzene	5	μg/L	-	10 U	10 U	1 U	-	10 U	10 U	5 U	5 U
Chloroethane	5	μg/L	79	52	25	1 U	-	10 U	10 U	R	5 U
Chloroform	7	μg/L	-	10 U	10 U	1 U	-	10 U	10 U	5 U	5 U
Chloromethane	NE	μg/L	-	- 1	-	-	-	-	10 U	5 U	5 U
cis-1,2-Dichloroethene	5	μg/L	NA	NA	2 J	120 D	32	370 D	39	22	8
cis-1,3-Dichloropropene	0.40	μg/L	-	-	-	-	-	-	10 U	5 U	5 U
Cyclohexane	NE	μg/L	-		-	-	-	-	10 U	5 U	5 U
Dibromochloromethane	50	μg/L	-	-	-	-	-	-	10 U	5 U	5 U
Dichlorobromoethane	NE	μg/L	-	-	-	-	-	-	10 U	5 U	5 U
Dichlorodifluoromethane	5	μg/L	-	- 1	-	-	-	-	10 U	5 U	5 U
Ethylbenzene	5	μg/L	-	10 U	10 U	2	-	10 U	1 J	5 U	5 U
Isopropylbenzene	5	μg/L	-	-	_	_	-	_			
Methyl acetate	NE	μg/L			-				10 U	5 U	5 U
Methyl Ethyl Ketone			-	ļ <sub>-                                   </sub>	-	-	-	-	10 U 10 U	5 U 5 UJ	5 U 5 U
	50		-	- 10 U	- 10 U	- 1 U	-	-		5 UJ	
	50 NE	μg/L	- - 82		- 10 U	- 1 U	-	- 50 U	10 U 10 U	5 UJ 25 U	5 U 10 U
Methyl Isobutyl Ketone	NE	μg/L μg/L	- 82	10 U 10 U	-	-	-	-	10 U	5 UJ 25 U 25 U	5 U 10 U 10 U
Methyl Isobutyl Ketone Methylcyclohexane	NE NE	μg/L μg/L μg/L			- 10 U	- 1 U 14 -	- - -	50 U 50 U	10 U 10 U 10 U 10 U	5 UJ 25 U 25 U 5 U	5 U 10 U
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride	NE NE 5	μg/L μg/L μg/L μg/L		10 U	- 10 U 2 J -	- 1 U	-	50 U 50 U	10 U 10 U 10 U 10 U 10 U	5 UJ 25 U 25 U 5 U 5 U	5 U 10 U 10 U 5 U 5 U
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE)	NE NE 5 10	μg/L μg/L μg/L μg/L μg/L		10 U	- 10 U 2 J -	- 1 U 14 -	- - -	50 U 50 U	10 U 10 U 10 U 10 U	5 UJ 25 U 25 U 5 U	5 U 10 U 10 U 5 U
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE) m,p-Xylene	NE NE 5	μg/L μg/L μg/L μg/L μg/L μg/L μg/L	<del>-</del> -	10 U - 2 J	10 U 2 J - 10 U	1 U 14 - 0.8 J	- - - 6 J	50 U 50 U - 9 DJ	10 U 10 U 10 U 10 U 10 U 10 U	5 UJ 25 U 25 U 5 U 5 U 5 U	5 U 10 U 10 U 5 U 5 U 5 U
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE) m,p-Xylene n-Butylbenzene	NE NE 5 10 5 5	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	<del>-</del> -	10 U - 2 J	10 U 2 J - 10 U	1 U 14 - 0. 8 J	- - - 6 J	50 U 50 U - 9 DJ	10 U 10 U 10 U 10 U 10 U 10 U	5 UJ 25 U 25 U 5 U 5 U 5 U	5 U 10 U 10 U 5 U 5 U 5 U 5 U 5 U
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE) m,p-Xylene n-Butylbenzene n-Propylbenzene	NE NE 5 10 5 5 5	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	<del>-</del> -	10 U - 2 J	10 U 2 J - 10 U	1 U 14 - 0. 8 J	- - - 6 J	50 U 50 U - 9 DJ	10 U 10 U 10 U 10 U 10 U 10 U	5 UJ 25 U 25 U 5 U 5 U 5 U - -	5 U 10 U 10 U 5 U 5 U 5 U 5 U 5 U 5 U
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE) m,p-Xylene n-Butylbenzene n-Propylbenzene o-Xylene	NE NE 5 10 5 5	µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	<del>-</del> -	10 U - 2 J	- 10 U 2 J - 10 U	1 U 14 - 0. 8 J	- - - 6 J	50 U 50 U - 9 DJ	10 U 10 U 10 U 10 U 10 U 10 U	5 UJ 25 U 25 U 5 U 5 U 5 U - -	5 U 10 U 10 U 5 U 5 U 5 U 5 U 5 U
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-Butyl Ether (MTBE) m,p-Xylene n-Butylbenzene n-Propylbenzene o-Xylene sec-Butylbenzene	NE NE 5 10 5 5 5	µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	<del>-</del> -	10 U - 2 J	- 10 U 2 J - 10 U	- 1 U 14 - 0.8 J - - -	- - - 6 J	50 U 50 U - 9 DJ	10 U	5 UJ 25 U 25 U 5 U 5 U 5 U - - -	5 U 10 U 10 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE) m,p-Xylene n-Butylbenzene n-Propylbenzene o-Xylene sec-Butylbenzene Styrene	NE NE 5 10 5 5 5 5 5 5	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	<del>-</del> -	10 U - 2 J	- 10 U 2 J - 10 U	- 1 U 14 - 0.8 J - - -	- - - 6 J	50 U 50 U - 9 DJ	10 U 10 U 10 U 10 U 10 U 10 U	5 UJ 25 U 25 U 5 U 5 U 5 U - -	5 U 10 U 10 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE) m,p-Xylene n-Butylbenzene n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene	NE NE 5 10 5 5 5 5 5 5 5	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	<del>-</del> -	10 U - 2 J	- 10 U 2 J - 10 U U	- 1 U 14 - 0.8 J 	- - 6 J - - - - -	- 50 U 50 U - 9 DJ	10 U	5 UJ 25 U 25 U 5 U 5 U 	5 U 10 U 10 U 5
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE) m,p-Xylene n-Butylbenzene n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene	NE NE 5 10 5 5 5 5 5 5 5 5	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L		10 U - 2 J 10 U	- 10 U 2 J - 10 U	- 1 U 14 0.8 J	- - - 6 J	- 50 U 50 U 50 U 3 J	10 U 2 J	5 UJ 25 U 25 U 5 U 5 U - - - - - - - 3 J	5 U 10 U 10 U 5
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE) m,p-Xylene n-Butylbenzene n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene	NE NE 5 10 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	- - - - - - - - -	10 U - 2 J 10 U 10 U	- 10 U 2 J - 10 U	- 1 U 14 0.8 J	- 6 J	- 50 U 50 U	10 U 2 J 10 U	5 UJ 25 U 25 U 5 U 5 U - - - 5 U - - 3 J 5 U	5 U 10 U 10 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE) m.p-Xylene n-Butylbenzene n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene Total Xylenes	NE NE 5 10 5 5 5 5 5 5 5 5 5 5 5	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	- - - - - - - - 11 14	10 U - 2 J 10 U 10 U 10 U	- 10 U 2 J - 10 U	- 1 U 14 - 0.8 J		- 50 U 50 U - 9 DJ	10 U - 10 U 11 U	5 UJ 25 U 25 U 5 U 5 U - - - 5 U - - 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U	5 U 10 U 10 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE) m,p-Xylene n-Butylbenzene n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene Total Xylenes trans-1, 2-Dichloroethene	NE NE 5 10 5 5 5 5 5 5 5 5 5 5 5 5 5	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	- - - - - - - - -	10 U - 2 J 10 U 10 U	- 10 U 2 J - 10 U	- 1 U 14 0.8 J	- 6 J	- 50 U 50 U - 9 DJ 10 U 30 U 10 U	10 U - 11 U 10 U 11 U 11 U 11 U 11 U 11 U 11 U	5 UJ 25 U 25 U 5 U 5 U 5 U - - - 5 U - 3 J 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U	5 U 10 U 10 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5
Methyl Isobutyl Ketone Methylcyclohexane Methylcyclohexane Methyl-t-Butyl Ether (MTBE) m.p-Xylene n-Butylbenzene n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene Total Xylenes trans-1, 2-Dichloropropene	NE NE 5 10 5 5 5 5 5 5 5 5 6 7 7 7 8 8	нg/L нg/L нg/L нg/L нg/L нg/L нg/L нg/L		10 U - 2 J 10 U 10 U 10 U NA	- 10 U 2 J - 10 U	- 1 U 14 0.8 J	- 6 J	- 50 U 50	10 U 2 J 10 U 1 J 10 U 10 U	5 UJ 25 U 25 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U	5 U 10 U 10 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5
Methyl Isobutyl Ketone Methyleyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE) m,p-Xylene n-Butylbenzene n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Total Xylenes trans-1, 2-Dichloroethene trans-1, 3-Dichloropropene Trichloroethene	NE NE 5 10 5 5 5 5 5 5 5 6 7 7 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	нg/L нg/L нg/L нg/L нg/L нg/L нg/L нg/L		10 U - 2 J 10 U 10 U 10 U	- 10 U 2 J - 10 U	- 1 U 14	- 6 J	- 50 U 50	10 U - 10 U 10 U 10 U - 2 J 10 U 1 J 10 U	5 UJ 25 U 25 U 5 U 5 U - - - - 5 U - 3 J 5 U 15 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U	5 U 10 U 10 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE) m,p-Xylene n-Butylbenzene n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene Total Xylenes trans-1, 2-Dichloroethene trans-1,3-Dichloropene Trichloroethene Trichloroethene Trichlorofluoromethane	NE NE 5 10 5 5 5 5 5 5 5 6 7 5 7 7 7 7 7 7 7 7 7 7	нg/L нg/L нg/L нg/L нg/L нg/L нg/L нg/L		10 U - 2 J 10 U 10 U NA - 10 U	- 10 U 2 J - 10 U	- 1 U 14 0.8 J		- 50 U 50 U	10 U 2 J 10 U 1 J 10 U 1 J 10 U 1 J 10 U 9 J	5 UJ 25 U 25 U 5 U 5 U 5 U 5 U - 3 J 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U	5 U 10 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5
Methyl Isobutyl Ketone Methylcyclohexane Methylere chloride Methyl-t-Butyl Ether (MTBE) m,p-Xylene n-Butylbenzene n-Propylbenzene o-Xylene see-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene Total Xylenes trans-1, 2-Dichloropropene Trichloroethene Trichloroethoue Trichlorotluoromethane Vinyl chloride	NE NE 5 10 5 5 5 5 5 5 5 6 7 7 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	нg/L нg/L нg/L нg/L нg/L нg/L нg/L нg/L		10 U - 2 J 10 U 10 U 10 U NA - 10 U	- 10 U 2 J - 10 U	- 1 U 14 - 0.8 J	- 6 J	- 50 U 50 U - 9 DJ	10 U	5 UJ 25 U 25 U 5 U 5 U 5 U - 3 J 5 U 15 U 5 U 5 U 15 U 5 U 13	5 U 10 U 10 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5
Methyl Isobutyl Ketone Methylcyclohexane Methylene chloride Methyl-t-Butyl Ether (MTBE) m,p-Xylene n-Butylbenzene n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene Total Xylenes trans-1, 2-Dichloroethene trans-1, 3-Dichloroppopene Trichloroethene Trichloroethene Trichloroftuoromethane	NE NE 5 10 5 5 5 5 5 5 5 6 7 5 7 7 7 7 7 7 7 7 7 7	нg/L нg/L нg/L нg/L нg/L нg/L нg/L нg/L		10 U - 2 J 10 U 10 U NA - 10 U	- 10 U 2 J - 10 U	- 1 U 14 0.8 J		- 50 U 50 U	10 U 2 J 10 U 1 J 10 U 1 J 10 U 1 J 10 U 9 J	5 UJ 25 U 25 U 5 U 5 U 5 U 5 U - 3 J 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U	5 U 10 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5

### Notes:

1. New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (µg/L

Bolded concentrations indicated the analyte was detected.

Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.

NE = NYSDEC TOGS 1.1.1 water quality standard not established.

- U = The analyte was analyzed for but not detected. The associated value is the analyte quantitation limit.
- J = The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
- R = The sample results are rejected.
- D = Compound identified in analysis at a secondary dilution factor
- = The analyte was not sampled for.

#### TABLE 3 Monitoring Well ENV-4 Groundwater Analytical Results Envirotek II Site

	NYSDEC TOGS 1.1.1									
Volatile Compounds	Water Quality Standards <sup>1</sup>	Units	11/19/90	09/30/99	04/18/01	05/05/04	09/28/04	10/17/05	10/05/06	10/07/08
1,1,1-Trichloroethane	5	μg/L	-	10 U	10 U	1 U	10 U	10 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	μg/L	-	-	-	-	-	10 U	5 U	5 U
1,1,2-Trichlo-1,2,2-trifluoroethane	5	μg/L	-	-	-	-	-	10 U	5 U	5 U
1,1,2-Trichloroethane	1	μg/L	-	10 U	10 U	1 U	10 U	10 U	5 U	5 U
1,1-Dichloroethane	5	μg/L	-	2 J	10 U	1 U	10 U	10 U	5 U	5 U
1,1-Dichloroethene	5	μg/L	-	10 U	10 U	1 U	10 U	10 U	5 U	5 U
1,2,4-Trichlorobenzene	5	μg/L	-	-	-	-	-	10 U	5 U	5 U
1,2,4 -Trimethylbenzene	5	μg/L	-	-	-	-	-	-	-	5 U
1,2-Dibromo-3-Chloropropane DBCP	0.04	μg/L	-	-	-	-	-	10 U	5 U	5 U
1,2-Dibromoethane (EDB)	NE	μg/L	-	-	-	-	-	10 U	5 U	5 U
1,2-Dichlorobenzene	3	μg/L	-	-	-	-	-	10 U	5 U	5 U
1,2-Dichloroethane	0.6	μg/L	-	10 U	10 U	1 U	10 U	10 U	5 U	5 U
1,2-Dichloropropane	5	μg/L	-	-	-	-	-	10 U	5 U	5 U
1,3-Dichlorobenzene	3	μg/L	-	-	-	-	-	10 U	5 U	5 U
1,3,5-Trimethylbenzene	5	μg/L	-	-	-	-	-	-	-	5 U
1,4-Dichlorobenzene	3	μg/L	-	-	-	-	-	10 U	5 U	5 U
1,4-Dioxane	5	μg/L	-	-	-	-	-	-	-	100 U
2-Hexanone	50	μg/L	-	10 U	10 U	5 U	50 U	10 U	25 U	10 U
Acetone	50	μg/L	-	10 U	10 U	5 U	50 U	10 U	25 UJ	10 U
Benzene	1	μg/L	-	10 U	10 U	1 U	10 U	10 U	5 U	5 U
Bromoform	50	μg/L	-	-	-	-	-	10 U	5 U	5 U
Bromomethane	5	μg/L		-	-	-	-	10 U	5 UJ	5 U
Carbon disulfide	60	μg/L	-	10 U	10 U	1 U	10 U	10 U	5 U	5 U
Carbon tetrachloride	5	μg/L	-	-	-	-	-	10 U	5 U	5 U
Chlorobenzene	5	μg/L	-	10 U	10 U	1 U	10 U	10 U	5 U	5 U
Chloroethane	5	μg/L		10 U	10 U	1 U	10 U	10 U	R	5 U
Chloroform	7	μg/L	-	10 U	10 U	1 U	10 U	10 U	5 U	5 U
Chloromethane	NE	μg/L	-	-	-	-	-	10 U	5 U	5 U
cis-1,2-Dichloroethene	5	μg/L	-	-	3 J	1 U	10 U	6 J	6	5.5
cis-1,3-Dichloropropene	0.40	μg/L	-	-	-	-	-	10 U	5 U	5 U
Cyclohexane	NE	μg/L	-	-	-	-	-	10 U	5 U	5 U
Dibromochloromethane	50	μg/L	-	-	-	-	-	10 U	5 U	5 U
Dichlorobromoethane	NE	μg/L	-	-	-	-	-	10 U	5 U	5 U
Dichlorodifluoromethane	5	μg/L	-	-	-	-	-	10 U	5 U	5 U
Ethylbenzene	5	μg/L	58	24	10 U	1 U	10 U	10 U	5 U	5 U
Isopropylbenzene	5	μg/L	-	-	-	-	-	10 U	5 U	5 U
Methyl acetate	NE	μg/L	-	-	-	-	-	10 U	5 UJ	5 U
Methyl Ethyl Ketone	50	μg/L	-	10 U	10 U	1 U	10 U	10 U	25 U	10 U
Methyl Isobutyl Ketone	NE	μg/L	110	10 U	10 U	5 U	50 U	10 U	25 U	10 U
Methylcyclohexane	NE	μg/L	-	-	-	-	-	10 U	5 U	5 U
Methylene chloride	5	μg/L	-	10 U	10 U	2 U	8 J	10 U	5 U	5 U
Methyl-t-Butyl Ether (MTBE)	10	μg/L	-	-	-	-	-	10 U	5 U	5 U
m,p-Xylene	5	μg/L	-	-	-	-	-	-	-	5 U
n-Butylbenzene	5	μg/L	-	-	-	-	-	-	-	5 U
n-Propylbenzene	5	μg/L	-	-	-	-	-	-	-	5 U
o-Xylene	5	μg/L	-	-	-	-	-	-	-	5 U
sec-Butylbenzene	5	μg/L	-	-	-	-	-	-	-	5 U
Styrene	5	μg/L	-	-	-	-	-	10 U	5 U	5 U
tert-Butylbenzene	5	μg/L	-	-	-	-	-	-	-	5 U
Tetrachloroethene	5	μg/L	-	10 U	10 U	0.3 J	10 U	10 U	5 U	5 U
Toluene	5	μg/L	760	9 J	10 U	1 U	10 U	10 U	5 U	5 U
Total Xylenes	5	μg/L	260	67	10 U	3 U	30 U	10 U	15 U	5 U
trans-1, 2-Dichloroethene	5	μg/L	-	-	10 U	1 U	10 U	2 J	5 U	5 U
trans-1,3-Dichloropropene	0.4	μg/L	-	-	-	-	-	10 U	5 U	5 U
Trichloroethene	5	μg/L	560	46	3 J	1	10 U	1 J	5 U	5 U
Trichlorofluoromethane	5	μg/L	-	-	-	-	-	10 U	5 U	5 U
Vinyl chloride	2	μg/L	-	5 J	10 U	1 U	10 U	10 U	5 U	5 U
Total VOCs		μg/L	1748	154	6	1.3	8	9	6	6
Total VOCs		mg/L	1.748	0.154	0.006	0.001	0.008	0.009	0.006	0.006

### **Notes:**

1. New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (µg/L

Bolded concentrations indicated the analyte was detected.

Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.

NE = NYSDEC TOGS 1.1.1 water quality standard not established.

- U = The analyte was analyzed for but not detected. The associated value is the analyte quantitation limit.
- J = The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
- $R = The \ sample \ results \ are \ rejected.$
- D = Compound identified in analysis at a secondary dilution factor.
- = The analyte was not sampled for.

#### TABLE 3 Monitoring Well ENV-7 Groundwater Analytical Results Envirotek II Site

	NYSDEC TOGS 1.1.1								
Volatile Compounds	Water Quality Standards <sup>1</sup>	Units	04/19/01	05/05/04	09/28/04	10/17/05	10/05/06	03/08/07	10/07/08
1,1,1-Trichloroethane	5	μg/L	25 U	1 U	5 U	10 U	5 U	U	5 U
1,1,2,2-Tetrachloroethane	5	μg/L	-	-	-	10 U	5 U	U	5 U
1,1,2-Trichlo-1,2,2-trifluoroethane	5	μg/L	-	-	-	10 U	5 U	U	5 U
1,1,2-Trichloroethane	1	μg/L	25 U	1 U	5 U	10 U	5 U	U	5 U
1,1-Dichloroethane	5	μg/L	3 J	2.00	5 U	3 J	3 J	U	5 U
1,1-Dichloroethene	5	μg/L	25 U	1.00	5 U	10 U	5 U	U	5 U
1,2,4-Trichlorobenzene	5	μg/L	-	-		10 U	5 U	U	5 U
1,2,4 -Trimethylbenzene	5	μg/L	-	-	-	-	-	U	5 U
1,2-Dibromo-3-Chloropropane DBCP	0.04	μg/L	-	-	-	10 U	5 U	U	5 U
1,2-Dibromoethane (EDB)	NE	μg/L	-	-	-	10 U	5 U	U	5 U
1,2-Dichlorobenzene	3	μg/L				10 U	5 U	U	5 U
1,2-Dichloroethane	0.6	μg/L	25 U	1 U	5 U	10 U	5 U	U	5 U
1,2-Dichloropropane	5	μg/L	-	-	-	10 U	5 U	U	5 U
1,3-Dichlorobenzene	3	μg/L	-	-	-	10 U	5 U	U	5 U
1,3,5-Trimethylbenzene	5	μg/L	-	-	-	-	-	U	5 U
1,4-Dichlorobenzene	3	μg/L	-	-	-	10 U	5 U	U	5 U
1.4-Dioxane	5	μg/L	_	-	_	-	_	Ü	100 U
2-Hexanone	50	μg/L	25 U	5 U	25 U	10 U	25 U	Ü	10 U
Acetone	50	μg/L	16 U	5 U	25 U	10 U	25 UJ	Ü	10 U
Benzene	1	μg/L μg/L	25 U	1 U	5 U	10 U	5 U	U	5 U
Bromoform	50	μg/L μg/L	-	-	-	10 U	5 U	U	5 U
Bromomethane	5	μg/L μg/L	_	_	_	10 U	5 UJ	U	5 U
Carbon disulfide	60	μg/L μg/L	25 U	1 U	5 U	10 U	5 U	U	5 U
Carbon tetrachloride	5	μg/L μg/L	23 0	1.0	-	10 U	5 U	U	5 U
Chlorobenzene	5	μg/L μg/L	25 U	1 U	5 U	10 U	5 U	U	5 U
Chloroethane	5		25 U	1 U	5 U	10 U	R	U	5 U
Chloroform	7	μg/L	25 U 25 U	1 U	5 U	10 U	5 U	U	5 U
		μg/L	25 U	-	30			_	
Chloromethane	NE 5	μg/L				10 U	5 U 140	U 320	5 U 82
cis-1,2-Dichloroethene	5 0.40	μg/L	430	280 D	170	190 10 U	5 U	320 U	5 U
cis-1,3-Dichloropropene		μg/L	-	-	-			_	
Cyclohexane	NE 50	μg/L	-	-	-	10 U	5 U	U	5 U
Dibromochloromethane	50	μg/L	-	-	-	10 U	5 U	U	5 U
Dichlorobromoethane	NE	μg/L	-	-	-	10 U	5 U	U	5 U
Dichlorodifluoromethane	5	μg/L		-	-	10 U	5 U	U	5 U
Ethylbenzene	5	μg/L	25 U	1 U	5 U	10 U	5 U	U	5 U
Isopropylbenzene	5	μg/L	-	-	-	10 U	5 U	U	5 U
Methyl acetate	NE	μg/L	-	-	-	10 U	5 UJ	U	5 U
Methyl Ethyl Ketone	50	μg/L	25 U	1 U	5 U	10 U	25 U	U	10 U
Methyl Isobutyl Ketone	NE	μg/L	25 U	5 U	25 U	10 U	25 U	U	10 U
Methylcyclohexane	NE	μg/L	-	-		10 U	5 U	U	5 U
Methylene chloride	5	μg/L	25 U	2 U	3 J	10 U	5 U	U	5 U
Methyl-t-Butyl Ether (MTBE)	10	μg/L	-	-	-	10 U	5 U	U	5 U
m,p-Xylene	5	μg/L	-	-	-	-	-	U	5 U
L. D. L. II	_	/T	1 _	l -	l -	-	-	U	5 U
n-Butylbenzene	5	μg/L							
n-Propylbenzene	5	μg/L μg/L	-	-	-	-	-	U	5 U
	5 5		-	-	-	-	-	U U	5 U 5 U
n-Propylbenzene	5 5 5	μg/L	- - -	- - -	- - -	- - -	- - -		5 U 5 U
n-Propylbenzene o-Xylene	5 5	μg/L μg/L	- - -	- - -	- - -	- - - 10 U	- - - 5 U	U	5 U
n-Propylbenzene o-Xylene sec-Butylbenzene	5 5 5	μg/L μg/L μg/L	- - - -	- - - -	- - - -	-	- - - 5 U	U U	5 U 5 U
n-Propylbenzene o-Xylene sec-Butylbenzene Styrene	5 5 5 5	μg/L μg/L μg/L μg/L	-	- - - - - 4	- - - - 3 J	- 10 U		U U U	5 U 5 U 5 U
n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene	5 5 5 5 5	μg/L μg/L μg/L μg/L μg/L	- - -	- - - - - 4 1 U	- - - - - 3 J 5 U	- 10 U -	-	U U U U	5 U 5 U 5 U 5 U
n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene	5 5 5 5 5 5	μg/L μg/L μg/L μg/L μg/L μg/L μg/L	- - - 3 J			- 10 U - 1 J	5 U	U U U U	5 U 5 U 5 U 5 U 5 U
n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene Total Xylenes	5 5 5 5 5 5 5	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	- - 3 J 25 U 28 UJ	1 U 3 U	5 U	- 10 U - 1 J 10 U	5 U 5 U	U U U U U	5 U 5 U 5 U 5 U 5 U 5 U
n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene Total Xylenes trans-1, 2-Dichloroethene	5 5 5 5 5 5 5 5	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	- - 3 J 25 U	1 U	5 U 15 U	- 10 U - 1 J 10 U 10 U	5 U 5 U 15 U	U U U U U U	5 U 5 U 5 U 5 U 5 U 5 U 5 U
n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene Total Xylenes trans-1, 2-Dichloroethene trans-1,3-Dichloropropene	5 5 5 5 5 5 5 5 5 5 5	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	- - 3 J 25 U 28 UJ 4 J	1 U 3 U 3	5 U 15 U 5 U	10 U - 1 J 10 U 10 U 10 U 10 U	5 U 5 U 15 U 5 U 5 U	U U U U U U U	5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U
n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene Total Xylenes trans-1, 2-Dichloroethene trans-1, 3-Dichloropropene Trichloroethene	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	- - 3 J 25 U 28 UJ	1 U 3 U	5 U 15 U	- 10 U - 1 J 10 U 10 U 10 U 10 U	5 U 5 U 15 U 5 U 5 U 5 U	U U U U U U U U	5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U
n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene Total Xylenes trans-1, 2-Dichloroethene trans-1,3-Dichloropropene Trichloroethene Trichlorofluoromethane	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	3 J 25 U 28 UJ 4 J -	1 U 3 U 3 - 6	5 U 15 U 5 U - 5 U	- 10 U - 1 J 10 U	5 U 5 U 15 U 5 U 5 U 5 U 5 U	U U U U U U U U	5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U
n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene Total Xylenes trans-1, 2-Dichloroethene trans-1,3-Dichloropropene Trichloroethene Trichlorofluoromethane Vinyl chloride	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	3 J 25 U 28 UJ 4 J - 16 J	1 U 3 U 3 - 6 - 50 D	5 U 15 U 5 U - 5 U -	- 10 U - 1 J 10 U 10 U 10 U 10 U 10 U 200	5 U 5 U 15 U 5 U 5 U 5 U 5 U 5 U	U U U U U U U U U	5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U
n-Propylbenzene o-Xylene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene Toluene Total Xylenes trans-1, 2-Dichloroethene trans-1,3-Dichloropropene Trichloroethene Trichlorofluoromethane	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	3 J 25 U 28 UJ 4 J -	1 U 3 U 3 - 6	5 U 15 U 5 U - 5 U	- 10 U - 1 J 10 U	5 U 5 U 15 U 5 U 5 U 5 U 5 U	U U U U U U U U	5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U

#### Notes:

1. New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1
Ambient Water Quality Standards and Guidance Values (µg/L

Bolded concentrations indicated the analyte was detected.

Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.

NE = NYSDEC TOGS 1.1.1 water quality standard not established.

- U = The analyte was analyzed for but not detected. The associated value is the analyte quantitation limit.
- J = The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
- R = The sample results are rejected.
- D = Compound identified in analysis at a secondary dilution factor.
- = The analyte was not sampled for.

#### TABLE 3 Monitoring Well ENV-8 **Groundwater Analytical Results** Envirotek II Site

V. 1.00. C	NYSDEC TOGS 1.1.1 Water		04/10/01	05/05/04	00/20/04	10/15/05	10/05/07	10/05/00
Volatile Compounds 1,1,1-Trichloroethane	Quality Standards <sup>1</sup> 5	Units μg/L	<b>04/19/01</b> 10 U	<b>05/05/04</b> 5 U	<b>09/28/04</b> 10 U	10/17/05 10 U	<b>10/05/06</b> 5 U	<b>10/07/08</b> 5 U
1,1,2,2-Tetrachloroethane	5	μg/L μg/L	10 0	3.0	10 0	10 U	5 U	5 U
1,1,2-Trichlo-1,2,2-trifluoroethane	5	μg/L μg/L	-	-	-	10 U	5 U	5 U
1,1,2-Trichloroethane	1	μg/L μg/L	10 U	5 U	10 U	10 U	5 U	5 U
1,1-Dichloroethane	5		7 J	5	4 J	4 J	5 U	3 J
1,1-Dichloroethene	5	μg/L μg/L	10 U	5 U	10 U	10 U	5 U	5 U
1,2,4-Trichlorobenzene	5		-	-	-	10 U	5 U	5 U
1,2,4-Tricmorobenzene	5	μg/L	_	_	-	100	30	5 U
1,2-Dibromo-3-Chloropropane DBCP	0.04	μg/L	-	-	-	10 U	5 U	5 U
1,2-Dibromoethane (EDB)	NE	μg/L μg/L	_	_	_	10 U	5 U	5 U
1,2-Diolomoemane (EDB) 1,2-Dichlorobenzene	3		-	-	-	10 U	5 U	5 U
	0.6	μg/L	10 U	5 U	10 U	10 U	5 U	5 U
1,2-Dichloroethane		μg/L	10 0	3.0	10 0			
1,2-Dichloropropane	5 3	μg/L	_	_	_	10 U 10 U	5 U 5 U	5 U 5 U
1,3-Dichlorobenzene	5	μg/L		-				5 U
1,3,5-Trimethylbenzene	3	μg/L	-	-	-	-	-	
1,4-Dichlorobenzene		μg/L	-	-	-	10 U	5 U	5 U
1,4-Dioxane	5	μg/L	- 10.11	-	-	- 10.11	-	100 U
2-Hexanone	50	μg/L	10 U	25 U	50 U	10 U	25 U	10 U
Acetone	50	μg/L	31.00	25 U	50 U	10 U	25 UJ	10 U
Benzene	1	μg/L	10 U	5 U	10 U	10 U	5 U	5 U
Bromoform	50	μg/L	-	-	-	10 U	5 U	5 U
Bromomethane	5	μg/L	-	-	-	10 U	5 UJ	5 U
Carbon disulfide	60	μg/L	10 U	5 U	10 U	10 U	5 U	5 U
Carbon tetrachloride	5	μg/L	- 10.11	-	-	10 U	5 U	5 U
Chlorobenzene	5	μg/L	10 U	5 U	10 U	10 U	5 U	5 U
Chloroethane	5	μg/L	10 U	5 U	10 U	10 U	R	5 U
Chloroform	7	μg/L	10 U	5 U	10 U	10 U	5 U	5 U
Chloromethane	NE	μg/L	- 150	- 140	- 120	10 U	5 U	5 U
cis-1,2-Dichloroethene	5	μg/L	150	140	120	78	36	36
cis-1,3-Dichloropropene	0.40	μg/L	-	-	-	10 U	5 U	5 U
Cyclohexane	NE	μg/L	-	-	-	10 U	5 U	5 U
Dibromochloromethane	50	μg/L	-	-	-	10 U	5 U	5 U
Dichlorobromoethane	NE	μg/L	-	-	-	10 U	5 U	5 U
Dichlorodifluoromethane	5	μg/L	-	-	-	10 U	5 U	5 U
Ethylbenzene	5	μg/L	10 U	5 U	10 U	10 U	5 U	5 U
Isopropylbenzene	5	μg/L	-	-	-	10 U	5 U	5 U
Methyl acetate	NE	μg/L	-	-	-	10 U	5 UJ	5 U
Methyl Ethyl Ketone	50	μg/L	10 U	5 U	10 U	10 U	25 U	10 U
Methyl Isobutyl Ketone	NE	μg/L	11	25 U	50 U	10 U	25 U	10 U
Methylcyclohexane	NE	μg/L	-	-	-	10 U	5 U	5 U
Methylene chloride	5	μg/L	10 U	10 U	4 J	10 U	5 U	5 U
Methyl-t-Butyl Ether (MTBE)	10	μg/L	-	-	-	10 U	5 U	5 U
m,p-Xylene	5	μg/L	-	-	-	-	-	5 U
n-Butylbenzene	5	μg/L	-	-	-	-	-	5 U
n-Propylbenzene	5	μg/L	-	-	-	-	-	5 U
o-Xylene	5	μg/L	-	-	-	-	-	5 U
sec-Butylbenzene	5	μg/L	-	-	-	-		5 U
Styrene	5	μg/L	-	-	-	10 U	5 U	5 U
tert-Butylbenzene	5	μg/L	-		-	-	-	5 U
Tetrachloroethene	5	μg/L	3 J	3 J	3 J	3 J	5 U	5 U
Toluene	5	μg/L	10 U	5 U	10 U	10 U	5 U	5 U
Total Xylenes	5	μg/L	-	15 U	30 U	10 U	15 U	5 U
trans-1, 2-Dichloroethene	5	μg/L	4 J	3 J	10 U	2 J	5 U	5 U
trans-1,3-Dichloropropene	0.4	μg/L	-	-	-	10 U	5 U	5 U
Trichloroethene	5	μg/L	12	14 J	12	10	8	5 U
Trichlorofluoromethane	5	μg/L	-	-	-	10 U	5 U	5 U
Vinyl chloride	2	μg/L	3 J	5 U	10	9 J	5 U	12
Total VOCs		μg/L	233	165	153	106	44	51
Total VOCs		mg/L	0.233	0.165	0.153	0.106	0.044	0.051

1. New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1: Ambient Water Quality Standards and Guidance Values (µg/L)

Bolded concentrations indicated the analyte was detected.

Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.

- Boiled and snaded concentrations indicate exceedance of TOGS 1.1.1 criteria.

  NE = NYSDEC TOGS 1.1.1 water quality standard not established.

  U = The analyte was analyzed for but not detected. The associated value is the analyte quantitation limit.

  J = The analyte was positively identified; however, the associated numerical value is an estimated concentration only.

  R = The sample results are rejected.
- D = Compound identified in analysis at a secondary dilution factor.
- = The analyte was not sampled for.

#### TABLE 3 Monitoring Well ENV-9 Groundwater Analytical Results Envirotek II Site

	1	ı	T	1	1	1	1	
	NYSDEC TOGS 1.1.1							
Volatile Compounds	Water Quality Standards <sup>1</sup>	Units	04/19/01	05/05/04	09/28/04	10/17/05	10/05/06	10/07/08
1,1,1-Trichloroethane	5	μg/L	10 U	1 U	5 U	10 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	μg/L	-	-	-	10 U	5 U	5 U
1,1,2-Trichlo-1,2,2-trifluoroethane	5	μg/L	_	_	_	10 U	5 U	5 U
1,1,2-Trichloroethane	1	μg/L	10 U	1 U	5 U	10 U	5 U	5 U
1.1-Dichloroethane	5	μg/L μg/L	10 U	0. 5 J	5 U	10 U	5 U	5 U
1,1-Dichloroethene	5	μg/L μg/L	10 U	1 U	5 U	10 U	5 U	5 U
1,2,4-Trichlorobenzene	5	μg/L μg/L	-	-	-	10 U	5 U	5 U
1,2,4 -Trimethylbenzene	5	μg/L μg/L	_	_	_	-	-	5 U
1,2-Dibromo-3-Chloropropane DBCP	0.04	μg/L μg/L	_			10 U	5 U	5 U
1,2-Dibromoethane (EDB)	NE	μg/L μg/L	_	_	_	10 U	5 U	5 U
1,2-Dichlorobenzene	3	μg/L μg/L	_	_	_	10 U	5 U	5 U
1,2-Dichloroethane	0.6		10 U	1 U	5 U	10 U	5 U	5 U
1,2-Dichloropropane	5	μg/L	10 0	10	30	10 U	5 U	5 U
	3	μg/L	_	_	_	10 U	5 U	5 U
1,3-Dichlorobenzene	5	μg/L	-	-	-	10 0	3.0	5 U
1,3,5-Trimethylbenzene	3	μg/L	_	_	_	10 U	5 U	5 U
1,4-Dichlorobenzene		μg/L	-	-	-	10 0	3.0	
1,4-Dioxane	5	μg/L	-	-	-	-	-	100 U
2-Hexanone	50	μg/L	2 J	5 U	25 U	10 U	25 U	10 U
Acetone	50	μg/L	1,200 DJ	5 U	25 U	10 U	25 UJ	10 U
Benzene	1	μg/L	10 U	1 U	5 U	10 U	5 U	5 U
Bromoform	50	μg/L	-	-	-	10 U	5 U	5 U
Bromomethane	5	μg/L	-	-	-	10 U	5 UJ	5 U
Carbon disulfide	60	μg/L	10 U	1 U	5 U	10 U	5 U	5 U
Carbon tetrachloride	5	μg/L	-	-	-	10 U	5 U	5 U
Chlorobenzene	5	μg/L	10 U	1 U	5 U	10 U	5 U	5 U
Chloroethane	5	μg/L	10 U	1 U	5 U	10 U	R	5 U
Chloroform	7	μg/L	3 J	1 U	5 U	10 U	5 U	5 U
Chloromethane	NE	μg/L	-			10 U	5 U	5 U
cis-1,2-Dichloroethene	5	μg/L	10 U	0. 6 J	5 U	1 J	5 U	5 U
cis-1,3-Dichloropropene	0.40	μg/L	-			10 U	5 U	5 U
Cyclohexane	NE	μg/L	-	-	-	10 U	5 U	5 U
Dibromochloromethane	50	μg/L	-	-	-	10 U	5 U	5 U
Dichlorobromoethane	NE	μg/L	-	-	-	10 U	5 U	5 U
Dichlorodifluoromethane	5	μg/L	-	-	-	10 U	5 U	5 U
Ethylbenzene	5	μg/L	2 J	1 U	5 U	10 U	5 U	5 U
Isopropylbenzene	5	μg/L	-	-	-	10 U	5 U	5 U
Methyl acetate	NE	μg/L	-	-	-	10 U	5 UJ	5 U
Methyl Ethyl Ketone	50	μg/L	5 J	1 U	5 U	10 U	25 U	10 U
Methyl Isobutyl Ketone	NE	μg/L	10	5 U	25 U	10 U	25 U	10 U
Methylcyclohexane	NE	μg/L	-	-	-	10 U	5 U	5 U
Methylene chloride	5	μg/L	10 U	2 U	3 J	10 U	5 U	5 U
Methyl-t-Butyl Ether (MTBE)	10	μg/L	-	-	-	10 U	5 U	5 U
m,p-Xylene	5	μg/L	-	-	-	-	-	5 U
n-Butylbenzene	5	μg/L	-	-	-	-	-	5 U
n-Propylbenzene	5	μg/L	-	-	-	-	-	5 U
o-Xylene	5	μg/L	-	-	-	-	-	5 U
sec-Butylbenzene	5	μg/L	-	-	-	-	-	5 U
Styrene	5	μg/L	-	-	-	10 U	5 U	5 U
tert-Butylbenzene	5	μg/L	-	-	-	-	-	5 U
Tetrachloroethene	5	μg/L	10 U	1 U	5 U	10 U	5 U	5 U
Toluene	5	μg/L	10 U	1 U	5 U	10 U	5 U	5 U
Total Xylenes	5	μg/L	13 J	3 U	15 U	10 U	15 U	5 U
trans-1, 2-Dichloroethene	5	μg/L	10 U	1 U	5 U	10 U	5 U	5 U
trans-1,3-Dichloropropene	0.4	μg/L	-	-	-	10 U	5 U	5 U
Trichloroethene	5	μg/L	3 J	0. 8 J	5 U	10 U	5 U	5 U
Trichlorofluoromethane	5	μg/L	-	-	_	10 U	5 U	5 U
Vinyl chloride	2	μg/L	10 U	1 U	5 U	10 U	5 U	5 U
Total VOCs		μg/L	1238	1.9	3	1	ND	ND
Total VOCs		mg/L	1.238	0.0019	0.003	0.001	ND	ND
					2.505	2.301		

#### Notes:

1. New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1

Ambient Water Quality Standards and Guidance Values (µg/L)

Bolded concentrations indicated the analyte was detected.

Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.

- U = The analyte was analyzed for but not detected. The associated value is the analyte quantitation limit.
- $\label{eq:Jacobian} J = \mbox{The analyte was positively identified; however, the associated numerical value is an estimated concentration only.}$
- R =The sample results are rejected.
- D = Compound identified in analysis at a secondary dilution factor.
- = The analyte was not sampled for.

#### TABLE 3 Monitoring Well GW-7 Groundwater Analytical Results Envirotek II Site

	NYSDEC TOGS 1.1.1								
Volatile Compounds	Water Quality Standards <sup>1</sup>	Units	09/28/88	12/05/90	09/30/99	04/19/01	05/05/04	09/28/04	10/07/08
1,1,1-Trichloroethane	5	μg/L	-	-	10 U	10 U	1 U	10 U	-
1,1,2,2-Tetrachloroethane	5	μg/L	-	-	-	-	-		-
1,1,2-Trichlo-1,2,2-trifluoroethane	5	μg/L	-	-	-	-	-		
1,1,2-Trichloroethane	1	μg/L	-	-	10 U	10 U	1 U	10 U	-
1,1-Dichloroethane	5	μg/L	11	-	1 J	10 U	1 U	10 U	-
1,1-Dichloroethene	5	μg/L	-	-	10 U	10 U	1 U	10 U	-
1,2,4-Trichlorobenzene	5	μg/L	-	-	-	-	-	-	-
1,2,4 -Trimethylbenzene	5	μg/L	-	-	-	-	-	-	-
1,2-Dibromo-3-Chloropropane DBCP	0.04	μg/L	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	NE	μg/L	-	-	-	-	-	-	-
1,2-Dichlorobenzene	3	μg/L		-	-	-	-	-	-
1,2-Dichloroethane	0.6	μg/L	-	4 J	10 U	10 U	1 U	10 U	-
1,2-Dichloropropane	5	μg/L	-	-	-	-		-	-
1,3-Dichlorobenzene	3	μg/L			-	-	-	-	-
1,3,5-Trimethylbenzene	5	μg/L	-	-	-	-	-	-	-
1,4-Dichlorobenzene	3	μg/L			-	-	-	-	-
1,4-Dioxane	5	μg/L	-	-	-	-	-	-	-
2-Hexanone	50	μg/L	-	-	10 U	10 U	5 U	50 U	-
Acetone	50	μg/L	210 D	60	10 U	12	5 U	50 U	-
Benzene	1	μg/L	2 J	0.9 J	10 U	10 U	1 U	10 U	-
Bromoform	50	μg/L	-	-	-	-	-	-	-
Bromomethane	5	μg/L	-	-	-	-	-	-	-
Carbon disulfide	60	μg/L	-	-	10 U	10 U	1 U	10 U	-
Carbon tetrachloride	5	μg/L	-	-	_	-	-	-	-
Chlorobenzene	5	μg/L	-	-	10 U	10 U	1 U	10 U	-
Chloroethane	5	μg/L	-	-	10 U	10 U	1 U	10 U	-
Chloroform	7	μg/L	-	-	10 U	10 U	1 U	10 U	-
Chloromethane	NE	μg/L	-	-	_	_	_	_	-
cis-1,2-Dichloroethene	5	μg/L	-	-	_	14	5	5 J	-
cis-1,3-Dichloropropene	0.40	μg/L	_	_	_	-	_	_	_
Cyclohexane	NE	μg/L	_	_	_	_	_	_	_
Dibromochloromethane	50	μg/L	_	_	_	_	_	_	-
Dichlorobromoethane	NE	μg/L	_	_	_	_	_	_	_
Dichlorodifluoromethane	5	μg/L	_	_	_	_	_	_	_
Ethylbenzene	5	μg/L	1 J	3 J	10 U	10 U	1 U	10 U	_
Isopropylbenzene	5	μg/L μg/L	-	-	-	-	-	-	_
Methyl acetate	NE NE	μg/L μg/L	_	_		_		_	_
Methyl Ethyl Ketone	50	μg/L μg/L	61	_	10 U	10 U	1 U	10 U	
Methyl Isobutyl Ketone	NE	μg/L μg/L	40	20	10 U	10 U	5 U	50 U	_
Methylcyclohexane	NE	μg/L μg/L	-	-	-	-	-	30 0	_
Methylene chloride	5	μg/L μg/L	41 B	_	10 U	10 U	2 U	20 U	_
Methyl-t-Butyl Ether (MTBE)	10	μg/L		_	-	-		200	_
m,p-Xylene	5	μg/L μg/L	_	_		_		_	_
n-Butylbenzene	5	μg/L μg/L	_	_		_		_	_
n-Propylbenzene	5	μg/L μg/L	[	l -	<u> </u>	l -	] -	] -	_
o-Xylene	5	μg/L μg/L	[	l -	<u> </u>	l -	] -	] -	_
sec-Butylbenzene	5	μg/L μg/L	_	_	_	_	_	_	_
Styrene	5	μg/L μg/L	[	l -	<u> </u>	l -	] -	] -	_
tert-Butylbenzene	5	μg/L μg/L	[	l -	<u> </u>	l -	] -	] -	_
Tetrachloroethene	5	μg/L μg/L	87	9 J	3 J	6 J	2.00	10 U	_
Toluene	5	μg/L μg/L	30 B	59	10 U	1 J	1.00	10 U	_
Total Xylenes	5	μg/L μg/L	7	16	10 U	10 U	3 U	30 U	_
trans-1, 2-Dichloroethene	5	μg/L μg/L	-	-	10 0	10 U	1 U	10 U	-
trans-1,3-Dichloropropene	0.4		I -	-	Ī -	10 0	10	100	-
Trichloroethene	5	μg/L	32	36	- 1 J	2 J	1	10 U	-
Trichlorofluoromethane	5	μg/L	- 32	- 30	1.3	23	1	100	-
Vinyl chloride	2	μg/L μg/L	8	3 J	10 U	10 U	0.4 J	10 U	-
Total VOCs	Δ	μg/L μg/L	530	210.9	5	35	9.4	5	ND
TOTAL VOCS		μg/L	0.530	0.2109	0.005	0.035	0.0094	0.005	ND ND

#### Notes:

1. New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1
Ambient Water Quality Standards and Guidance Values (µg/L

Bolded concentrations indicated the analyte was detected.

Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.

- U = The analyte was analyzed for but not detected. The associated value is the analyte quantitation limit.
- J = The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
- R = The sample results are rejected.
- D = Compound identified in analysis at a secondary dilution factor.
- = The analyte was not sampled for.

#### TABLE 3 Monitoring Well GW-3 Groundwater Analytical Results Envirotek II Site

	NYSDEC TOGS 1.1.1									
Volatile Compounds	Water Quality Standards <sup>1</sup>	Units	09/28/88	12/05/90	09/29/99	05/05/04	09/28/04	10/17/05	10/05/06	10/07/08
1,1,1-Trichloroethane	5	μg/L	-	-	10 U	1 U	2 U	10 U	4 U	5 U
1,1,2,2-Tetrachloroethane	5	μg/L	-	-	-	-	-	10 U	4 U	5 U
1,1,2-Trichlo-1,2,2-trifluoroethane	5	μg/L	-	-	-	-	-	10 U	4 U	5 U
1,1,2-Trichloroethane	1	μg/L	-	-	10 U	1 U	2 U	10 U	4 U	5 U
1,1-Dichloroethane	5	μg/L	-	-	10 U	1 U	2 U	10 U	4 U	5 U
1,1-Dichloroethene	5	μg/L	-	-	10 U	1 U	2 U	10 U	4 U	5 U
1,2,4-Trichlorobenzene	5	μg/L	-	-	-	-	-	10 U	4 U	5 U
1,2,4 -Trimethylbenzene	5	μg/L	-	-	-	-	-	-	-	5 U
1,2-Dibromo-3-Chloropropane DBCP	0.04	μg/L	-	-	-	-	-	10 U	4 U	5 U
1,2-Dibromoethane (EDB)	NE	μg/L	-	-	-	-	-	10 U	4 U	5 U
1,2-Dichlorobenzene	3	μg/L						10 U	4 U	5 U
1,2-Dichloroethane	0.6	μg/L	-	-	10 U	1 U	2 U	10 U	4 U	5 U
1,2-Dichloropropane	5	μg/L	-	-	-	-	-	10 U	4 U	5 U
1,3-Dichlorobenzene	3	μg/L			-	-	-	10 U	4 U	5 U
1,3,5-Trimethylbenzene	5	μg/L	-	-	-	-	-	-	-	5 U
1,4-Dichlorobenzene	3	μg/L			-	-	-	10 U	4 U	5 U
1,4-Dioxane	5	μg/L	-	-	-	-	-	-	-	100 U
2-Hexanone	50	μg/L	-	-	10 U	5 U	10 U	10 U	20 U	10 U
Acetone	50	μg/L	-	20	10 U	5 U	10 U	10 U	20 UJ	10 U
Benzene	1	μg/L	6	2 J	1 J	1 U	2 U	10 U	4 U	5 U
Bromoform	50	μg/L	-	-	-	-	-	10 U	4 U	5 U
Bromomethane	5	μg/L	-	-	-	-	-	10 U	4 UJ	5 U
Carbon disulfide	60	μg/L	-	-	10 U	1 U	2 U	10 U	4 U	5 U
Carbon tetrachloride	5	μg/L	-	-	-	-	-	10 U	4 U	5 U
Chlorobenzene	5	μg/L	-	-	10 U	1 U	2 U	10 U	4 U	5 U
Chloroethane	5	μg/L	-	-	10 U	1 U	2 U	10 U	R	5 U
Chloroform	7	μg/L	-	-	10 U	1 U	2 U	10 U	4 U	5 U
Chloromethane	NE	μg/L	-	-	-	-	-	10 U	4 U	5 U
cis-1,2-Dichloroethene	5	μg/L	-	-	-	0.3 J	2 U	10 U	4 U	5 U
cis-1,3-Dichloropropene	0.40	μg/L	-	-	-	-	-	10 U	4 U	5 U
Cyclohexane	NE	μg/L	-	-	-	-	-	10 U	4 U	5 U
Dibromochloromethane	50	μg/L	-	-	-	-	-	10 U	4 U	5 U
Dichlorobromoethane	NE	μg/L	-	-	-	-	-	10 U	4 U	5 U
Dichlorodifluoromethane	5	μg/L	-	-	-	-	-	10 U	4 U	5 U
Ethylbenzene	5	μg/L	-	-	10 U	1 U	2 U	10 U	4 U	5 U
Isopropylbenzene	5	μg/L	-	-	-	-	-	10 U	4 U	5 U
Methyl acetate	NE	μg/L	-	-	-	-	-	10 U	4 UJ	5 U
Methyl Ethyl Ketone	50	μg/L	-	29	10 U	1 U	2 U	10 U	20 U	10 U
Methyl Isobutyl Ketone	NE	μg/L	-	-	10 U	5 U	10 U	10 U	20 U	10 U
Methylcyclohexane	NE	μg/L	-	-	-	-	-	10 U	4 U	5 U
Methylene chloride	5	μg/L	-	-	10 U	2 U	1 J	10 U	4 U	5 U
Methyl-t-Butyl Ether (MTBE)	10	μg/L	-	-	-	-	-	10 U	4 U	5 U
m,p-Xylene	5	μg/L	-	-	-	-	-	-	-	5 U
n-Butylbenzene	5	μg/L	-	-	-	-	-	-	-	5 U
n-Propylbenzene	5	μg/L	-	-	-	-	-	-	-	5 U
o-Xylene	5	μg/L	-	-	-	-	-	-	-	5 U
sec-Butylbenzene	5	μg/L	-	-	-	-	-	-	-	5 U
Styrene	5	μg/L	-	-	-	-	-	10 U	4 U	5 U
tert-Butylbenzene	5	μg/L	-	-	-	-	-	-		5 U
Tetrachloroethene	5	μg/L	-	-	10 U	0.5 J	2 U	10 U	4 U	5 U
Toluene	5	μg/L	1 J	0.6 J	10 U	1 U	2 U	10 U	4 U	5 U
Total Xylenes	5	μg/L	2 J	-	10 U	3 U	6 U	10 U	12 U	5 U
trans-1, 2-Dichloroethene	5	μg/L	-	-	-	1 U	2 U	10 U	4 U	5 U
trans-1,3-Dichloropropene	0.4	μg/L	-	-	-	-	-	10 U	4 U	5 U
Trichloroethene	5	μg/L	-	-	10 U	1 U	2 U	10 U	4 U	5 U
Trichlorofluoromethane	5	μg/L	-	-	-	-	-	10 U	4 U	5 U
Vinyl chloride	2	μg/L	-	-	10 U	1 U	2 U	10 U	4 U	5 U
Total VOCs		μg/L	9	51.6	1	0.8	1	ND	ND	ND
Total VOCs		mg/L	0.009	0.0516	0.001	0.0008	0.001	ND	ND	ND

#### **Notes:**

1. New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (µg/L

Bolded concentrations indicated the analyte was detected.

Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.

- U = The analyte was analyzed for but not detected. The associated value is the analyte quantitation limit.
- J = The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
- R =The sample results are rejected.
- D = Compound identified in analysis at a secondary dilution factor.
- = The analyte was not sampled for.

#### TABLE 3 Monitoring Well NRG-3 **Groundwater Analytical Results** Envirotek II Site

	NYSDEC TOGS 1.1.1			
Volatile Compounds	Water Quality Standards <sup>1</sup>	Units	3/14/072	10/07/08
1,1,1-Trichloroethane	5	μg/L	U	25 U
1,1,2,2-Tetrachloroethane	5	μg/L	U	25 U
1,1,2-Trichlo-1,2,2-trifluoroethane	5	μg/L	U	25 U
1,1,2-Trichloroethane	1	μg/L	U	25 U
1,1-Dichloroethane	5	μg/L	2.3 J	25 U
1,1-Dichloroethene	5	μg/L	U	25 U
1,2,4-Trichlorobenzene	5	μg/L	U	25 U
1,2,4 -Trimethylbenzene	5	μg/L	U	25 U
1,2-Dibromo-3-Chloropropane DBCP	0.04	μg/L	U	25 U
1,2-Dibromoethane (EDB)	NE	μg/L	U	25 U
1,2-Dichlorobenzene	3	μg/L	U	25 U
1,2-Dichloroethane	0.6	μg/L	U	25 U
1,2-Dichloropropane	5	μg/L	U	25 U
1,3-Dichlorobenzene	3	μg/L	U	25 U
1,3,5-Trimethylbenzene	5	μg/L	U	25 U
1,4-Dichlorobenzene	3	μg/L	U	25 U
1,4-Dioxane	5	μg/L	U	500 U
2-Hexanone	50	μg/L	U	50 U
Acetone	50	μg/L	U	50 U
Benzene	1	μg/L	1.7 J	25 U
Bromoform	50	μg/L	U	25 U
Bromomethane	5	μg/L	U	25 U
Carbon disulfide	60	μg/L	U	25 U
Carbon tetrachloride	5	μg/L	U	25 U
Chlorobenzene	5	μg/L	U	25 U
Chloroethane	5	μg/L	U	25 U
Chloroform	7	μg/L	U	25 U
Chloromethane	NE	μg/L	U	25 U
cis-1,2-Dichloroethene	5	μg/L	U	25 U
cis-1,3-Dichloropropene	0.40	μg/L	U	25 U
Cyclohexane	NE 50	μg/L	U	25 U 25 U
Dibromochloromethane Dichlorobromoethane	NE	μg/L	U	25 U 25 U
		μg/L	_	
Dichlorodifluoromethane	5	μg/L	U	25 U
Ethylbenzene	5	μg/L	1.1 J	25 U
Isopropylbenzene	5	μg/L	U	25 U
Methyl acetate	NE	μg/L	U	25 U
Methyl Ethyl Ketone	50	μg/L	U	50 U
Methyl Isobutyl Ketone	NE	μg/L	U	50 U
Methylcyclohexane	NE	μg/L	U	25 U
Methylene chloride	5	μg/L	U	25 U
Methyl-t-Butyl Ether (MTBE)	10	μg/L	U	25 U 25 U
m,p-Xylene	5 5	μg/L	U	
n-Butylbenzene	5	μg/L	U U	25 U 25 U
n-Propylbenzene o-Xylene	5	μg/L	U	25 U 25 U
o-Xylene sec-Butylbenzene	5	μg/L	U	25 U 25 U
Styrene	5	μg/L	U	25 U 25 U
*	5	μg/L	U	25 U 25 U
tert-Butylbenzene Tetrachloroethene	5	μg/L	U	25 U 25 U
Toluene	5	μg/L	3.1 J	25 U 25 U
	5	μg/L	3.1 J 10	25 U 25 U
Total Xylenes	5	μg/L	10 U	25 U 25 U
trans-1, 2-Dichloroethene trans-1,3-Dichloropropene	0.4	μg/L	U	25 U 25 U
Trichloroethene	5	μg/L	U	25 U 25 U
Trichlorofluoromethane	5	μg/L	U	25 U 25 U
	2	μg/L	U	25 U 25 U
Vinyl chloride Total VOCs		μg/L μg/L	19.4	ND ND
			0.0194	ND ND
Total VOCs		mg/L	0.0194	ND

#### Notes:

- New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1
   Ambient Water Quality Standards and Guidance Values (μg/L)

   The reporting limits were raised due to matrix interference. Sample foamed during laboratory purging procedure.

Bolded concentrations indicated the analyte was detected.

- Bolded and shaded concentrations indicated was detected.

  NE = NYSDEC TOGS 1.1.1 water quality standard not established.

  U = The analyte was analyzed for but not detected. The associated value is the analyte quantitation limit.

  J = The analyte was positively identified; however, the associated numerical value is an estimated concentration only.

  R = The sample results are rejected.
- D = Compound identified in analysis at a secondary dilution factor.
- = The analyte was not sampled for.

#### TABLE 3 Monitoring Well NRG-4 **Groundwater Analytical Results** Envirotek II Site

	NYSDEC TOGS 1.1.1			
Volatile Compounds	Water Quality Standards <sup>1</sup>	Units	3/14/072	10/07/08
1,1,1-Trichloroethane	5	μg/L	U	25 U
1,1,2,2-Tetrachloroethane	5	μg/L μg/L	U	25 U
1,1,2-Trichlo-1,2,2-trifluoroethane	5	μg/L μg/L	Ü	25 U
1,1,2-Trichloroethane	1	μg/L	Ü	25 U
1,1-Dichloroethane	5	μg/L	5.4	25 U
1,1-Dichloroethene	5	μg/L	U	25 U
1,2,4-Trichlorobenzene	5	μg/L	U	25 U
1,2,4 -Trimethylbenzene	5	μg/L	U	25 U
1,2-Dibromo-3-Chloropropane DBCP	0.04	μg/L	U	25 U
1,2-Dibromoethane (EDB)	NE	μg/L	U	25 U
1,2-Dichlorobenzene	3	μg/L	U	25 U
1,2-Dichloroethane	0.6	μg/L	U	25 U
1,2-Dichloropropane	5	μg/L	U	25 U
1,3-Dichlorobenzene	3	μg/L	U	25 U
1,3,5-Trimethylbenzene	5	μg/L	U	25 U
1,4-Dichlorobenzene	3	μg/L	U	25 U
1,4-Dioxane	5	μg/L	U	500 U
2-Hexanone	50	μg/L	U	50 U
Acetone	50	μg/L	U	50 U
Benzene	1	μg/L	0.79 J	25 U
Bromoform	50	μg/L	U	25 U
Bromomethane	5	μg/L	U	25 U
Carbon disulfide	60	μg/L	U	25 U
Carbon tetrachloride	5	μg/L	U	25 U
Chlorobenzene	5	μg/L	U	25 U
Chloroethane	5	μg/L	U	25 U
Chloroform	7	μg/L	U	25 U
Chloromethane	NE	μg/L	U	25 U
cis-1,2-Dichloroethene	5	μg/L	U	25 U
cis-1,3-Dichloropropene	0.40	μg/L	U	25 U
Cyclohexane Dibromochloromethane	NE	μg/L	U	25 U
	50 NE	μg/L	U	25 U
Dichlorobromoethane	NE 5	μg/L	U	25 U 25 U
Dichlorodifluoromethane	5	μg/L	U	25 U 25 U
Ethylbenzene Isopropylbenzene	5	μg/L	U	25 U 25 U
Methyl acetate	NE	μg/L μg/L	U	25 U
Methyl Ethyl Ketone	50	μg/L μg/L	U	50 U
Methyl Isobutyl Ketone	NE	μg/L μg/L	U	50 U
Methylcyclohexane	NE NE	μg/L μg/L	U	25 U
Methylene chloride	5	μg/L μg/L	U	25 U
Methyl-t-Butyl Ether (MTBE)	10	μg/L μg/L	U	25 U
m,p-Xylene	5	μg/L μg/L	U	25 U
n-Butylbenzene	5	μg/L μg/L	U	25 U
n-Propylbenzene	5	μg/L μg/L	U	25 U
o-Xylene	5	μg/L μg/L	U	25 U
sec-Butylbenzene	5	μg/L μg/L	U	25 U
Styrene	5	μg/L	U	25 U
tert-Butylbenzene	5	μg/L	U	25 U
Tetrachloroethene	5	μg/L	U	25 U
Toluene	5	μg/L	1.8 J	25 U
Total Xylenes	5	μg/L	1.6 J	25 U
trans-1, 2-Dichloroethene	5	μg/L	U	25 U
trans-1,3-Dichloropropene	0.4	μg/L	U	25 U
Trichloroethene	5	μg/L	U	25 U
Trichlorofluoromethane	5	μg/L	U	25 U
Vinyl chloride	2	μg/L	U	25 U
Total VOCs		μg/L	12.19	ND
Total VOCs		mg/L	0.01219	ND

#### Notes:

- 1. New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (µg/L
- 2. The reporting limits were raised due to matrix interference. Sample foamed during laboratory purging procedure. Bolded concentrations indicated the analyte was detected.

Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.

- U = The analyte was analyzed for but not detected. The associated value is the analyte quantitation limit.
- J = The analyte was positively identified; however, the associated numerical value is an estimated concentration only. R =The sample results are rejected.
- D = Compound identified in analysis at a secondary dilution factor.
- = The analyte was not sampled for.

# **APPENDICES**



## **APPENDIX A**



**Analytical Report Date:** 22-Oct-08

Niagara River World Client Sample ID: ENV-1 **CLIENT:** 

U0810212 **Collection Date:** 10/7/2008 2:15:00 PM Lab Order:

Envirotek II Site Sampling **Project:** 

Lab ID: U0810212-001 Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2,4-Trichlorobenzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
1,2,4-Trimethylbenzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
1,2-Dibromoethane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
1,2-Dichlorobenzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
1,3,5-Trimethylbenzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
1,3-Dichlorobenzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
1,4-Dichlorobenzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
1,4-Dioxane	ND	100	μg/L	1	10/20/2008 9:49:00 PM
Cyclohexane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Dichlorodifluoromethane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Freon-113	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Isopropylbenzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Methyl Acetate	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Methyl tert-butyl ether	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Methylcyclohexane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
n-Butylbenzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
n-Propylbenzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
sec-Butylbenzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
tert-Butylbenzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Trichlorofluoromethane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Chloromethane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Vinyl chloride	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Bromomethane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Chloroethane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Acetone	ND	10	μg/L	1	10/20/2008 9:49:00 PM
1,1-Dichloroethene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Carbon disulfide	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Methylene chloride	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
trans-1,2-Dichloroethene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
1,1-Dichloroethane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
2-Butanone	ND	10	μg/L	1	10/20/2008 9:49:00 PM
cis-1,2-Dichloroethene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Chloroform	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
1,1,1-Trichloroethane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Carbon tetrachloride	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Benzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
1,2-Dichloroethane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Trichloroethene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM

Approved By:

Qualifiers: Low Level

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Date:

Page 1 of 24

- Value exceeds Maximum Contaminant Value
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits

**Analytical Report Date:** 22-Oct-08

Niagara River World Client Sample ID: ENV-1 **CLIENT:** 

U0810212 **Collection Date:** 10/7/2008 2:15:00 PM Lab Order:

Envirotek II Site Sampling **Project:** 

Lab ID: U0810212-001 Matrix: WATER

Analyses	Result	Limit (	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2-Dichloropropane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Bromodichloromethane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
4-Methyl-2-pentanone	ND	10	μg/L	1	10/20/2008 9:49:00 PM
cis-1,3-Dichloropropene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Toluene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
trans-1,3-Dichloropropene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
1,1,2-Trichloroethane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
2-Hexanone	ND	10	μg/L	1	10/20/2008 9:49:00 PM
Tetrachloroethene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Dibromochloromethane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Chlorobenzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Ethylbenzene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
m,p-Xylene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
o-Xylene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Styrene	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
Bromoform	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0	μg/L	1	10/20/2008 9:49:00 PM
NOTEC.					

NOTES:

TICS: No compounds were detected.

Page 2 of 24 Approved By: Date: Qualifiers: Low Level Value exceeds Maximum Contaminant Value

В Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit Е Value above quantitation range

J Analyte detected below quantitation limits

**Analytical Report** 

Niagara River World **Client Sample ID:** ENV-3 **CLIENT:** 

U0810212 **Collection Date:** 10/7/2008 11:45:00 AM Lab Order:

Envirotek II Site Sampling **Project:** 

Lab ID: U0810212-002 Matrix: WATER

Analyses	Result	Limit	Qual Un	its DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW826	0B	Analyst: <b>LEF</b>
1,2,4-Trichlorobenzene	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
1,2,4-Trimethylbenzene	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
1,2-Dibromoethane	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
1,2-Dichlorobenzene	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
1,3,5-Trimethylbenzene	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
1,3-Dichlorobenzene	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
1,4-Dichlorobenzene	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
1,4-Dioxane	ND	100	μg/l	_ 1	10/20/2008 11:47:00 PM
Cyclohexane	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
Dichlorodifluoromethane	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
Freon-113	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
Isopropylbenzene	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
Methyl Acetate	ND	5.0	μg/l		10/20/2008 11:47:00 PM
Methyl tert-butyl ether	ND	5.0	μg/l		10/20/2008 11:47:00 PM
Methylcyclohexane	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
n-Butylbenzene	ND	5.0	μg/l		10/20/2008 11:47:00 PM
n-Propylbenzene	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
sec-Butylbenzene	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
tert-Butylbenzene	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
Trichlorofluoromethane	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
Chloromethane	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
Vinyl chloride	4	5.0	J μg/l	L 1	10/20/2008 11:47:00 PM
Bromomethane	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
Chloroethane	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
Acetone	ND	10	μg/l		10/20/2008 11:47:00 PM
1,1-Dichloroethene	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
Carbon disulfide	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
Methylene chloride	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
trans-1,2-Dichloroethene	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
1,1-Dichloroethane	7.2	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
2-Butanone	ND	10	μg/l	_ 1	10/20/2008 11:47:00 PM
cis-1,2-Dichloroethene	8.1	5.0	μg/l		10/20/2008 11:47:00 PM
Chloroform	ND	5.0	μg/l	L 1	10/20/2008 11:47:00 PM
1,1,1-Trichloroethane	ND	5.0	μg/l		10/20/2008 11:47:00 PM
Carbon tetrachloride	ND	5.0	μg/l		10/20/2008 11:47:00 PM
Benzene	ND	5.0	μg/l		10/20/2008 11:47:00 PM
1,2-Dichloroethane	ND	5.0	μg/l		10/20/2008 11:47:00 PM
Trichloroethene	4	5.0	J μg/l		10/20/2008 11:47:00 PM

Approved By:

Qualifiers: Low Level

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits

Date:

Value exceeds Maximum Contaminant Value

Page 3 of 24

**Date:** 22-Oct-08

Analytical Report Date: 22-Oct-08

CLIENT: Niagara River World Client Sample ID: ENV-3

**Project:** Envirotek II Site Sampling

Lab ID: U0810212-002 Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2-Dichloropropane	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM
Bromodichloromethane	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM
4-Methyl-2-pentanone	ND	10	μg/L	1	10/20/2008 11:47:00 PM
cis-1,3-Dichloropropene	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM
Toluene	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM
trans-1,3-Dichloropropene	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM
1,1,2-Trichloroethane	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM
2-Hexanone	ND	10	μg/L	1	10/20/2008 11:47:00 PM
Tetrachloroethene	2	5.0	J μg/L	1	10/20/2008 11:47:00 PM
Dibromochloromethane	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM
Chlorobenzene	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM
Ethylbenzene	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM
m,p-Xylene	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM
o-Xylene	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM
Styrene	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM
Bromoform	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0	μg/L	1	10/20/2008 11:47:00 PM

NOTES:

TICS: No compounds were detected.

Approved By:	Date:	Page 4 of 24
Qualifiers: * Low Level	**	Value exceeds Maximum Contaminant Value

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

E Value above quantitation range

J Analyte detected below quantitation limits

Analytical Report Date: 22-Oct-08

CLIENT: Niagara River World Client Sample ID: ENV-4

**Lab Order:** U0810212 **Collection Date:** 10/7/2008 5:45:00 PM

**Project:** Envirotek II Site Sampling

**Lab ID:** U0810212-003 **Matrix:** WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2,4-Trichlorobenzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
1,2,4-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
1,2-Dibromoethane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
1,2-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
1,3,5-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
1,3-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
1,4-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
1,4-Dioxane	ND	100	μg/L	1	10/21/2008 2:26:00 AM
Cyclohexane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Dichlorodifluoromethane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Freon-113	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Isopropylbenzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Methyl Acetate	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Methyl tert-butyl ether	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Methylcyclohexane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
n-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
n-Propylbenzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
sec-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
tert-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Trichlorofluoromethane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Chloromethane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Vinyl chloride	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Bromomethane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Chloroethane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Acetone	ND	10	μg/L	1	10/21/2008 2:26:00 AM
1,1-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Carbon disulfide	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Methylene chloride	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
trans-1,2-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
1,1-Dichloroethane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
2-Butanone	ND	10	μg/L	1	10/21/2008 2:26:00 AM
cis-1,2-Dichloroethene	5.5	5.0	μg/L	1	10/21/2008 2:26:00 AM
Chloroform	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
1,1,1-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Carbon tetrachloride	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Benzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
1,2-Dichloroethane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Trichloroethene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM

Approved By
-------------

Qualifiers: \* Low Level

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

\_\_\_\_

- \*\* Value exceeds Maximum Contaminant Value
- E Value above quantitation range

Date:

- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Page 5 of 24

**Analytical Report Date:** 22-Oct-08

Niagara River World **Client Sample ID:** ENV-4 **CLIENT:** 

U0810212 **Collection Date:** 10/7/2008 5:45:00 PM Lab Order:

Envirotek II Site Sampling **Project:** 

Lab ID: U0810212-003 Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2-Dichloropropane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Bromodichloromethane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
4-Methyl-2-pentanone	ND	10	μg/L	1	10/21/2008 2:26:00 AM
cis-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Toluene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
trans-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
1,1,2-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
2-Hexanone	ND	10	μg/L	1	10/21/2008 2:26:00 AM
Tetrachloroethene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Dibromochloromethane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Chlorobenzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Ethylbenzene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
m,p-Xylene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
o-Xylene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Styrene	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
Bromoform	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0	μg/L	1	10/21/2008 2:26:00 AM
NOTES			. 9		

NOTES:

TICS: No compounds were detected.

Page 6 of 24 Approved By: Date: Qualifiers: Low Level Value exceeds Maximum Contaminant Value Е Value above quantitation range

В Analyte detected in the associated Method Blank Н Holding times for preparation or analysis exceeded

ND

Not Detected at the Reporting Limit Spike Recovery outside accepted recovery limits

J

Analyte detected below quantitation limits

**Analytical Report Date:** 22-Oct-08

Niagara River World **Client Sample ID:** ENV-7 **CLIENT:** 

U0810212 **Collection Date:** 10/7/2008 12:30:00 PM Lab Order:

Envirotek II Site Sampling **Project:** 

Lab ID: U0810212-004 Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2,4-Trichlorobenzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
1,2,4-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
1,2-Dibromoethane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
1,2-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
1,3,5-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
1,3-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
1,4-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
1,4-Dioxane	ND	100	μg/L	1	10/21/2008 3:07:00 AM
Cyclohexane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Dichlorodifluoromethane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Freon-113	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Isopropylbenzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Methyl Acetate	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Methyl tert-butyl ether	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Methylcyclohexane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
n-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
n-Propylbenzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
sec-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
tert-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Trichlorofluoromethane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Chloromethane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Vinyl chloride	49	5.0	μg/L	1	10/21/2008 3:07:00 AM
Bromomethane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Chloroethane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Acetone	ND	10	μg/L	1	10/21/2008 3:07:00 AM
1,1-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Carbon disulfide	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Methylene chloride	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
trans-1,2-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
1,1-Dichloroethane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
2-Butanone	ND	10	μg/L	1	10/21/2008 3:07:00 AM
cis-1,2-Dichloroethene	82	5.0	μg/L	1	10/21/2008 3:07:00 AM
Chloroform	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
1,1,1-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Carbon tetrachloride	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Benzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
1,2-Dichloroethane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Trichloroethene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM

Approve	d Bv:
---------	-------

Qualifiers: Low Level

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Date:

Value exceeds Maximum Contaminant Value

Page 7 of 24

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits

**Analytical Report Date:** 22-Oct-08

Niagara River World **Client Sample ID:** ENV-7 **CLIENT:** 

U0810212 **Collection Date:** 10/7/2008 12:30:00 PM Lab Order:

Envirotek II Site Sampling **Project:** 

Lab ID: U0810212-004 Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2-Dichloropropane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Bromodichloromethane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
4-Methyl-2-pentanone	ND	10	μg/L	1	10/21/2008 3:07:00 AM
cis-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Toluene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
trans-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
1,1,2-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
2-Hexanone	ND	10	μg/L	1	10/21/2008 3:07:00 AM
Tetrachloroethene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Dibromochloromethane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Chlorobenzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Ethylbenzene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
m,p-Xylene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
o-Xylene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Styrene	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
Bromoform	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0	μg/L	1	10/21/2008 3:07:00 AM
NOTES:					

NOTES:

TICS: No compounds were detected.

Approved By:	Date:	Page 8 of 24
Qualifiers: * Low Level	**	Value exceeds Maximum Contaminant Value

В Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded Η

ND Not Detected at the Reporting Limit

Е Value above quantitation range

J Analyte detected below quantitation limits

Analytical Report Date: 22-Oct-08

CLIENT: Niagara River World Client Sample ID: ENV-8

**Lab Order:** U0810212 **Collection Date:** 10/7/2008 10:45:00 AM

**Project:** Envirotek II Site Sampling

**Lab ID:** U0810212-005 **Matrix:** WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2,4-Trichlorobenzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
1,2,4-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
1,2-Dibromoethane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
1,2-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
1,3,5-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
1,3-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
1,4-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
1,4-Dioxane	ND	100	μg/L	1	10/21/2008 3:47:00 AM
Cyclohexane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Dichlorodifluoromethane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Freon-113	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Isopropylbenzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Methyl Acetate	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Methyl tert-butyl ether	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Methylcyclohexane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
n-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
n-Propylbenzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
sec-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
tert-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Trichlorofluoromethane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Chloromethane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Vinyl chloride	12	5.0	μg/L	1	10/21/2008 3:47:00 AM
Bromomethane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Chloroethane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Acetone	ND	10	μg/L	1	10/21/2008 3:47:00 AM
1,1-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Carbon disulfide	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Methylene chloride	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
trans-1,2-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
1,1-Dichloroethane	3	5.0	μg/L	1	10/21/2008 3:47:00 AM
2-Butanone	ND	10	μg/L	1	10/21/2008 3:47:00 AM
cis-1,2-Dichloroethene	36	5.0	μg/L	1	10/21/2008 3:47:00 AM
Chloroform	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
1,1,1-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Carbon tetrachloride	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Benzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
1,2-Dichloroethane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Trichloroethene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM

Approved By:

Qualifiers: \* Low Level

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Date:

Page 9 of 24

- \*\* Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

**Analytical Report Date:** 22-Oct-08

Niagara River World **Client Sample ID:** ENV-8 **CLIENT:** 

U0810212 **Collection Date:** 10/7/2008 10:45:00 AM Lab Order:

Envirotek II Site Sampling **Project:** 

Lab ID: U0810212-005 Matrix: WATER

Analyses	Result	Limit (	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2-Dichloropropane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Bromodichloromethane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
4-Methyl-2-pentanone	ND	10	μg/L	1	10/21/2008 3:47:00 AM
cis-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Toluene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
trans-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
1,1,2-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
2-Hexanone	ND	10	μg/L	1	10/21/2008 3:47:00 AM
Tetrachloroethene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Dibromochloromethane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Chlorobenzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Ethylbenzene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
m,p-Xylene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
o-Xylene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Styrene	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
Bromoform	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0	μg/L	1	10/21/2008 3:47:00 AM
NATEO					

NOTES:

TICS: No compounds were detected.

Approved By:	Date:	Page 10 of 24
Qualifiers: * Low Level	**	Value exceeds Maximum Contaminant Value

В Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded Η

ND Not Detected at the Reporting Limit

Value above quantitation range

J Analyte detected below quantitation limits

Analytical Report Date: 22-Oct-08

CLIENT: Niagara River World Client Sample ID: ENV-9

**Project:** Envirotek II Site Sampling

**Lab ID:** U0810212-006 **Matrix:** WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2,4-Trichlorobenzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
1,2,4-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
1,2-Dibromoethane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
1,2-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
1,3,5-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
1,3-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
1,4-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
1,4-Dioxane	ND	100	μg/L	1	10/21/2008 4:27:00 AM
Cyclohexane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Dichlorodifluoromethane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Freon-113	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Isopropylbenzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Methyl Acetate	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Methyl tert-butyl ether	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Methylcyclohexane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
n-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
n-Propylbenzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
sec-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
tert-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Trichlorofluoromethane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Chloromethane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Vinyl chloride	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Bromomethane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Chloroethane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Acetone	ND	10	μg/L	1	10/21/2008 4:27:00 AM
1,1-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Carbon disulfide	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Methylene chloride	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
trans-1,2-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
1,1-Dichloroethane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
2-Butanone	ND	10	μg/L	1	10/21/2008 4:27:00 AM
cis-1,2-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Chloroform	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
1,1,1-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Carbon tetrachloride	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Benzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
1,2-Dichloroethane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Trichloroethene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM

Approved By:

Qualifiers: \* Low Level

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value

Page 11 of 24

E. Volve shove quantitation range

E Value above quantitation range

Date:

J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Analytical Report Date: 22-Oct-08

CLIENT: Niagara River World Client Sample ID: ENV-9

**Project:** Envirotek II Site Sampling

**Lab ID:** U0810212-006 **Matrix:** WATER

Analyses	Result	Limit (	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2-Dichloropropane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Bromodichloromethane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
4-Methyl-2-pentanone	ND	10	μg/L	1	10/21/2008 4:27:00 AM
cis-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Toluene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
trans-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
1,1,2-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
2-Hexanone	ND	10	μg/L	1	10/21/2008 4:27:00 AM
Tetrachloroethene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Dibromochloromethane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Chlorobenzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Ethylbenzene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
m,p-Xylene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
o-Xylene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Styrene	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
Bromoform	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0	μg/L	1	10/21/2008 4:27:00 AM
NOTES					

NOTES:

TICS: No compounds were detected.

Approved By:	Date:	Page 12 of 24
Qualifiers: * Low Level	**	Value exceeds Maximum Contaminant Value

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded

Troiding times for preparation of analysis exceed

ND Not Detected at the Reporting Limit

E Value above quantitation range

J Analyte detected below quantitation limits

Analytical Report Date: 22-Oct-08

CLIENT: Niagara River World Client Sample ID: GW-3

**Lab Order:** U0810212 **Collection Date:** 10/7/2008 3:30:00 PM

**Project:** Envirotek II Site Sampling

**Lab ID:** U0810212-007 **Matrix:** WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2,4-Trichlorobenzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
1,2,4-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
1,2-Dibromoethane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
1,2-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
1,3,5-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
1,3-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
1,4-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
1,4-Dioxane	ND	100	μg/L	1	10/21/2008 5:06:00 AM
Cyclohexane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Dichlorodifluoromethane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Freon-113	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Isopropylbenzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Methyl Acetate	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Methyl tert-butyl ether	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Methylcyclohexane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
n-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
n-Propylbenzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
sec-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
tert-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Trichlorofluoromethane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Chloromethane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Vinyl chloride	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Bromomethane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Chloroethane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Acetone	ND	10	μg/L	1	10/21/2008 5:06:00 AM
1,1-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Carbon disulfide	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Methylene chloride	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
trans-1,2-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
1,1-Dichloroethane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
2-Butanone	ND	10	μg/L	1	10/21/2008 5:06:00 AM
cis-1,2-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Chloroform	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
1,1,1-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Carbon tetrachloride	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Benzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
1,2-Dichloroethane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Trichloroethene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM

Approved By:

Qualifiers: \* Low Level

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value

E. Value above quantitation names

E Value above quantitation range

Date:

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

Page 13 of 24

Analytical Report Date: 22-Oct-08

CLIENT: Niagara River World Client Sample ID: GW-3

**Lab Order:** U0810212 **Collection Date:** 10/7/2008 3:30:00 PM

**Project:** Envirotek II Site Sampling

**Lab ID:** U0810212-007 **Matrix:** WATER

Analyses	Result	Limit (	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2-Dichloropropane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Bromodichloromethane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
4-Methyl-2-pentanone	ND	10	μg/L	1	10/21/2008 5:06:00 AM
cis-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Toluene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
trans-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
1,1,2-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
2-Hexanone	ND	10	μg/L	1	10/21/2008 5:06:00 AM
Tetrachloroethene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Dibromochloromethane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Chlorobenzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Ethylbenzene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
m,p-Xylene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
o-Xylene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Styrene	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
Bromoform	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0	μg/L	1	10/21/2008 5:06:00 AM
NOTES					

NOTES:

TICS: No compounds were detected.

Approved By:		Date:	Page 14 of 24
Qualifiers: *	Low Level	**	Value exceeds Maximum Contaminant Value

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

E Value above quantitation range

J Analyte detected below quantitation limits

Analytical Report Date: 22-Oct-08

CLIENT: Niagara River World Client Sample ID: NRG-3

**Lab Order:** U0810212 **Collection Date:** 10/7/2008 4:30:00 PM

**Project:** Envirotek II Site Sampling

**Lab ID:** U0810212-008 **Matrix:** WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2,4-Trichlorobenzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
1,2,4-Trimethylbenzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
1,2-Dibromo-3-chloropropane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
1,2-Dibromoethane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
1,2-Dichlorobenzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
1,3,5-Trimethylbenzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
1,3-Dichlorobenzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
1,4-Dichlorobenzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
1,4-Dioxane	ND	500	μg/L	5	10/21/2008 5:46:00 AM
Cyclohexane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Dichlorodifluoromethane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Freon-113	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Isopropylbenzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Methyl Acetate	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Methyl tert-butyl ether	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Methylcyclohexane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
n-Butylbenzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
n-Propylbenzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
sec-Butylbenzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
tert-Butylbenzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Trichlorofluoromethane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Chloromethane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Vinyl chloride	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Bromomethane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Chloroethane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Acetone	ND	50	μg/L	5	10/21/2008 5:46:00 AM
1,1-Dichloroethene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Carbon disulfide	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Methylene chloride	ND	25	μg/L	5	10/21/2008 5:46:00 AM
trans-1,2-Dichloroethene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
1,1-Dichloroethane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
2-Butanone	ND	50	μg/L	5	10/21/2008 5:46:00 AM
cis-1,2-Dichloroethene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Chloroform	ND	25	μg/L	5	10/21/2008 5:46:00 AM
1,1,1-Trichloroethane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Carbon tetrachloride	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Benzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
1,2-Dichloroethane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Trichloroethene	ND	25	μg/L	5	10/21/2008 5:46:00 AM

Approved By:

Qualifiers: \* Low Level

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value

E Value above quantitation range

Date:

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

Page 15 of 24

**Analytical Report Date:** 22-Oct-08

Niagara River World Client Sample ID: NRG-3 **CLIENT:** 

U0810212 **Collection Date:** 10/7/2008 4:30:00 PM Lab Order:

Envirotek II Site Sampling **Project:** 

Lab ID: U0810212-008 Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2-Dichloropropane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Bromodichloromethane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
4-Methyl-2-pentanone	ND	50	μg/L	5	10/21/2008 5:46:00 AM
cis-1,3-Dichloropropene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Toluene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
trans-1,3-Dichloropropene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
1,1,2-Trichloroethane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
2-Hexanone	ND	50	μg/L	5	10/21/2008 5:46:00 AM
Tetrachloroethene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Dibromochloromethane	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Chlorobenzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Ethylbenzene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
m,p-Xylene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
o-Xylene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Styrene	ND	25	μg/L	5	10/21/2008 5:46:00 AM
Bromoform	ND	25	μg/L	5	10/21/2008 5:46:00 AM
1,1,2,2-Tetrachloroethane	ND	25	μg/L	5	10/21/2008 5:46:00 AM

#### NOTES:

The reporting limits were raised due to matrix interference.

TICS: No compounds were detected.

Sample foamed during purging procedure.

Approved By:	Date:	Page 16 of 24
Qualifiers: * Low Level	**	Value exceeds Maximum Contaminant Value

В Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded Η

ND Not Detected at the Reporting Limit

Value above quantitation range

Analyte detected below quantitation limits J Spike Recovery outside accepted recovery limits

Analytical Report Date: 22-Oct-08

CLIENT: Niagara River World Client Sample ID: NRG-4

**Lab Order:** U0810212 **Collection Date:** 10/7/2008 4:00:00 PM

**Project:** Envirotek II Site Sampling

**Lab ID:** U0810212-009 **Matrix:** WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2,4-Trichlorobenzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
1,2,4-Trimethylbenzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
1,2-Dibromo-3-chloropropane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
1,2-Dibromoethane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
1,2-Dichlorobenzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
1,3,5-Trimethylbenzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
1,3-Dichlorobenzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
1,4-Dichlorobenzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
1,4-Dioxane	ND	500	μg/L	5	10/21/2008 6:25:00 AM
Cyclohexane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Dichlorodifluoromethane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Freon-113	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Isopropylbenzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Methyl Acetate	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Methyl tert-butyl ether	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Methylcyclohexane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
n-Butylbenzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
n-Propylbenzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
sec-Butylbenzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
tert-Butylbenzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Trichlorofluoromethane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Chloromethane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Vinyl chloride	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Bromomethane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Chloroethane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Acetone	ND	50	μg/L	5	10/21/2008 6:25:00 AM
1,1-Dichloroethene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Carbon disulfide	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Methylene chloride	ND	25	μg/L	5	10/21/2008 6:25:00 AM
trans-1,2-Dichloroethene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
1,1-Dichloroethane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
2-Butanone	ND	50	μg/L	5	10/21/2008 6:25:00 AM
cis-1,2-Dichloroethene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Chloroform	ND	25	μg/L	5	10/21/2008 6:25:00 AM
1,1,1-Trichloroethane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Carbon tetrachloride	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Benzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
1,2-Dichloroethane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Trichloroethene	ND	25	μg/L	5	10/21/2008 6:25:00 AM

Approved By:

Qualifiers:

Low Level

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Date:

Page 17 of 24

- \*\* Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Analytical Report Date: 22-Oct-08

CLIENT: Niagara River World Client Sample ID: NRG-4

**Lab Order:** U0810212 **Collection Date:** 10/7/2008 4:00:00 PM

**Project:** Envirotek II Site Sampling

**Lab ID:** U0810212-009 **Matrix:** WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2-Dichloropropane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Bromodichloromethane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
4-Methyl-2-pentanone	ND	50	μg/L	5	10/21/2008 6:25:00 AM
cis-1,3-Dichloropropene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Toluene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
trans-1,3-Dichloropropene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
1,1,2-Trichloroethane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
2-Hexanone	ND	50	μg/L	5	10/21/2008 6:25:00 AM
Tetrachloroethene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Dibromochloromethane	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Chlorobenzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Ethylbenzene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
m,p-Xylene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
o-Xylene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Styrene	ND	25	μg/L	5	10/21/2008 6:25:00 AM
Bromoform	ND	25	μg/L	5	10/21/2008 6:25:00 AM
1,1,2,2-Tetrachloroethane	ND	25	μg/L	5	10/21/2008 6:25:00 AM

#### NOTES:

The reporting limits were raised due to matrix interference.

TICS: No compounds were detected.

Sample foamed during purging procedure.

Approved By:		Page 18 of 24
Oualifiers: * Low Level	**	Value exceeds Maximum Contaminant Value

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

value exceeds Maximum Contaminant value

E Value above quantitation range

J Analyte detected below quantitation limits

**Analytical Report** 

Niagara River World **CLIENT:** 

U0810212 Lab Order:

Envirotek II Site Sampling **Project:** 

Lab ID: U0810212-010 Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2,4-Trichlorobenzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
1,2,4-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
1,2-Dibromoethane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
1,2-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
1,3,5-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
1,3-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
1,4-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
1,4-Dioxane	ND	100	μg/L	1	10/21/2008 7:45:00 AM
Cyclohexane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Dichlorodifluoromethane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Freon-113	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Isopropylbenzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Methyl Acetate	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Methyl tert-butyl ether	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Methylcyclohexane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
n-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
n-Propylbenzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
sec-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
tert-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Trichlorofluoromethane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Chloromethane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Vinyl chloride	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Bromomethane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Chloroethane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Acetone	ND	10	μg/L	1	10/21/2008 7:45:00 AM
1,1-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Carbon disulfide	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Methylene chloride	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
trans-1,2-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
1,1-Dichloroethane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
2-Butanone	ND	10	μg/L	1	10/21/2008 7:45:00 AM
cis-1,2-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Chloroform	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
1,1,1-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Carbon tetrachloride	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Benzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
1,2-Dichloroethane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Trichloroethene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM

Approved By:

Qualifiers: Low Level

> В Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Page 19 of 24 Value exceeds Maximum Contaminant Value

**Date:** 22-Oct-08

Client Sample ID: Trip Blank

Collection Date: 10/7/2008

Е Value above quantitation range

Date:

J Analyte detected below quantitation limits

**Analytical Report** 

Niagara River World **CLIENT:** 

U0810212 Lab Order:

Envirotek II Site Sampling **Project:** 

Lab ID: U0810212-010 Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2-Dichloropropane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Bromodichloromethane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
4-Methyl-2-pentanone	ND	10	μg/L	1	10/21/2008 7:45:00 AM
cis-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Toluene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
trans-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
1,1,2-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
2-Hexanone	ND	10	μg/L	1	10/21/2008 7:45:00 AM
Tetrachloroethene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Dibromochloromethane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Chlorobenzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Ethylbenzene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
m,p-Xylene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
o-Xylene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Styrene	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
Bromoform	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0	μg/L	1	10/21/2008 7:45:00 AM
NOTES:					

TICS: No compounds were detected.

Approved By:	Date:	Page 20 of 24
Qualifiers: * Low Level	**	Value exceeds Maximum Contaminant Value

- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit

- Е Value above quantitation range
- J Analyte detected below quantitation limits

**Date:** 22-Oct-08

Client Sample ID: Trip Blank

Collection Date: 10/7/2008

**Analytical Report** 

Niagara River World **CLIENT:** 

Client Sample ID: Dupe U0810212 Collection Date: 10/7/2008 Lab Order:

Envirotek II Site Sampling **Project:** 

Lab ID: U0810212-011 Matrix: WATER

Analyses	Result	Limit	Qual 1	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8	260B		Analyst: <b>LEF</b>
1,2,4-Trichlorobenzene	ND	5.0	١	ug/L	1	10/21/2008 7:05:00 AM
1,2,4-Trimethylbenzene	ND	5.0	١	ug/L	1	10/21/2008 7:05:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0	١	ug/L	1	10/21/2008 7:05:00 AM
1,2-Dibromoethane	ND	5.0	١	ug/L	1	10/21/2008 7:05:00 AM
1,2-Dichlorobenzene	ND	5.0	١	ug/L	1	10/21/2008 7:05:00 AM
1,3,5-Trimethylbenzene	ND	5.0	١	ug/L	1	10/21/2008 7:05:00 AM
1,3-Dichlorobenzene	ND	5.0	١	ug/L	1	10/21/2008 7:05:00 AM
1,4-Dichlorobenzene	ND	5.0	١	ug/L	1	10/21/2008 7:05:00 AM
1,4-Dioxane	ND	100	ŀ	ug/L	1	10/21/2008 7:05:00 AM
Cyclohexane	ND	5.0	ŀ	ıg/L	1	10/21/2008 7:05:00 AM
Dichlorodifluoromethane	ND	5.0	١	ug/L	1	10/21/2008 7:05:00 AM
Freon-113	ND	5.0	ŀ	ıg/L	1	10/21/2008 7:05:00 AM
Isopropylbenzene	ND	5.0	ŀ	ıg/L	1	10/21/2008 7:05:00 AM
Methyl Acetate	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
Methyl tert-butyl ether	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
Methylcyclohexane	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
n-Butylbenzene	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
n-Propylbenzene	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
sec-Butylbenzene	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
tert-Butylbenzene	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
Trichlorofluoromethane	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
Chloromethane	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
Vinyl chloride	3	5.0		ıg/L	1	10/21/2008 7:05:00 AM
Bromomethane	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
Chloroethane	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
Acetone	ND	10		ıg/L	1	10/21/2008 7:05:00 AM
1,1-Dichloroethene	ND	5.0	1	ıg/L	1	10/21/2008 7:05:00 AM
Carbon disulfide	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
Methylene chloride	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
trans-1,2-Dichloroethene	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
1,1-Dichloroethane	6.2	5.0		ıg/L	1	10/21/2008 7:05:00 AM
2-Butanone	ND	10		ıg/L	1	10/21/2008 7:05:00 AM
cis-1,2-Dichloroethene	6.8	5.0		ıg/L	1	10/21/2008 7:05:00 AM
Chloroform	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
1,1,1-Trichloroethane	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
Carbon tetrachloride	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
Benzene	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
1,2-Dichloroethane	ND	5.0		ıg/L	1	10/21/2008 7:05:00 AM
Trichloroethene	3	5.0		ug/L	1	10/21/2008 7:05:00 AM

Approved By:

Qualifiers:

Low Level

В Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit Value exceeds Maximum Contaminant Value

Page 21 of 24

**Date:** 22-Oct-08

Е Value above quantitation range

Date:

J Analyte detected below quantitation limits

#### **Analytical Report**

Niagara River World **CLIENT:** 

Client Sample ID: Dupe U0810212 Collection Date: 10/7/2008 Lab Order:

Envirotek II Site Sampling **Project:** 

Lab ID: U0810212-011 Matrix: WATER

Analyses	Result	Limit (	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2-Dichloropropane	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
Bromodichloromethane	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
4-Methyl-2-pentanone	ND	10	μg/L	1	10/21/2008 7:05:00 AM
cis-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
Toluene	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
trans-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
1,1,2-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
2-Hexanone	ND	10	μg/L	1	10/21/2008 7:05:00 AM
Tetrachloroethene	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
Dibromochloromethane	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
Chlorobenzene	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
Ethylbenzene	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
m,p-Xylene	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
o-Xylene	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
Styrene	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
Bromoform	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0	μg/L	1	10/21/2008 7:05:00 AM
NOTES					

NOTES:

TICS: No compounds were detected.

Approved By:	Date:	Page 22 of 24
Qualifiers: * Low Level	**	Value exceeds Maximum Contaminant Value

В Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded Η

ND Not Detected at the Reporting Limit

Е Value above quantitation range

J Analyte detected below quantitation limits

**Date:** 22-Oct-08

**Analytical Report** 

CLIENT: Niagara River World Client Sample ID: Holding Blank

**Lab Order:** U0810212 **Collection Date:** 10/9/2008 4:45:00 PM

**Project:** Envirotek II Site Sampling

Lab ID: U0810212-012 Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2,4-Trichlorobenzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
1,2,4-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
1,2-Dibromoethane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
1,2-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
1,3,5-Trimethylbenzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
1,3-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
1,4-Dichlorobenzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
1,4-Dioxane	ND	100	μg/L	1	10/21/2008 8:24:00 AM
Cyclohexane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Dichlorodifluoromethane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Freon-113	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Isopropylbenzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Methyl Acetate	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Methyl tert-butyl ether	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Methylcyclohexane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
n-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
n-Propylbenzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
sec-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
tert-Butylbenzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Trichlorofluoromethane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Chloromethane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Vinyl chloride	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Bromomethane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Chloroethane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Acetone	ND	10	μg/L	1	10/21/2008 8:24:00 AM
1,1-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Carbon disulfide	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Methylene chloride	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
trans-1,2-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
1,1-Dichloroethane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
2-Butanone	ND	10	μg/L	1	10/21/2008 8:24:00 AM
cis-1,2-Dichloroethene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Chloroform	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
1,1,1-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Carbon tetrachloride	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Benzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
1,2-Dichloroethane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Trichloroethene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM

Approved By:

Qualifiers: \* Low Level

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value

**Date:** 22-Oct-08

E Value above quantitation range

Date:

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

Page 23 of 24

Analytical Report

CLIENT: Niagara River World Client Sample ID: Holding Blank

**Lab Order:** U0810212 **Collection Date:** 10/9/2008 4:45:00 PM

**Project:** Envirotek II Site Sampling

Lab ID: U0810212-012 Matrix: WATER

Analyses	Result	Limit (	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: <b>LEF</b>
1,2-Dichloropropane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Bromodichloromethane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
4-Methyl-2-pentanone	ND	10	μg/L	1	10/21/2008 8:24:00 AM
cis-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Toluene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
trans-1,3-Dichloropropene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
1,1,2-Trichloroethane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
2-Hexanone	ND	10	μg/L	1	10/21/2008 8:24:00 AM
Tetrachloroethene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Dibromochloromethane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Chlorobenzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Ethylbenzene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
m,p-Xylene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
o-Xylene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Styrene	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
Bromoform	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0	μg/L	1	10/21/2008 8:24:00 AM
NOTES.					

NOTES:

TICS: No compounds were detected.

Approved By:	Date:	Page 24 of 24
Qualifiers: * Low Level	**	Value exceeds Maximum Contaminant Value

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

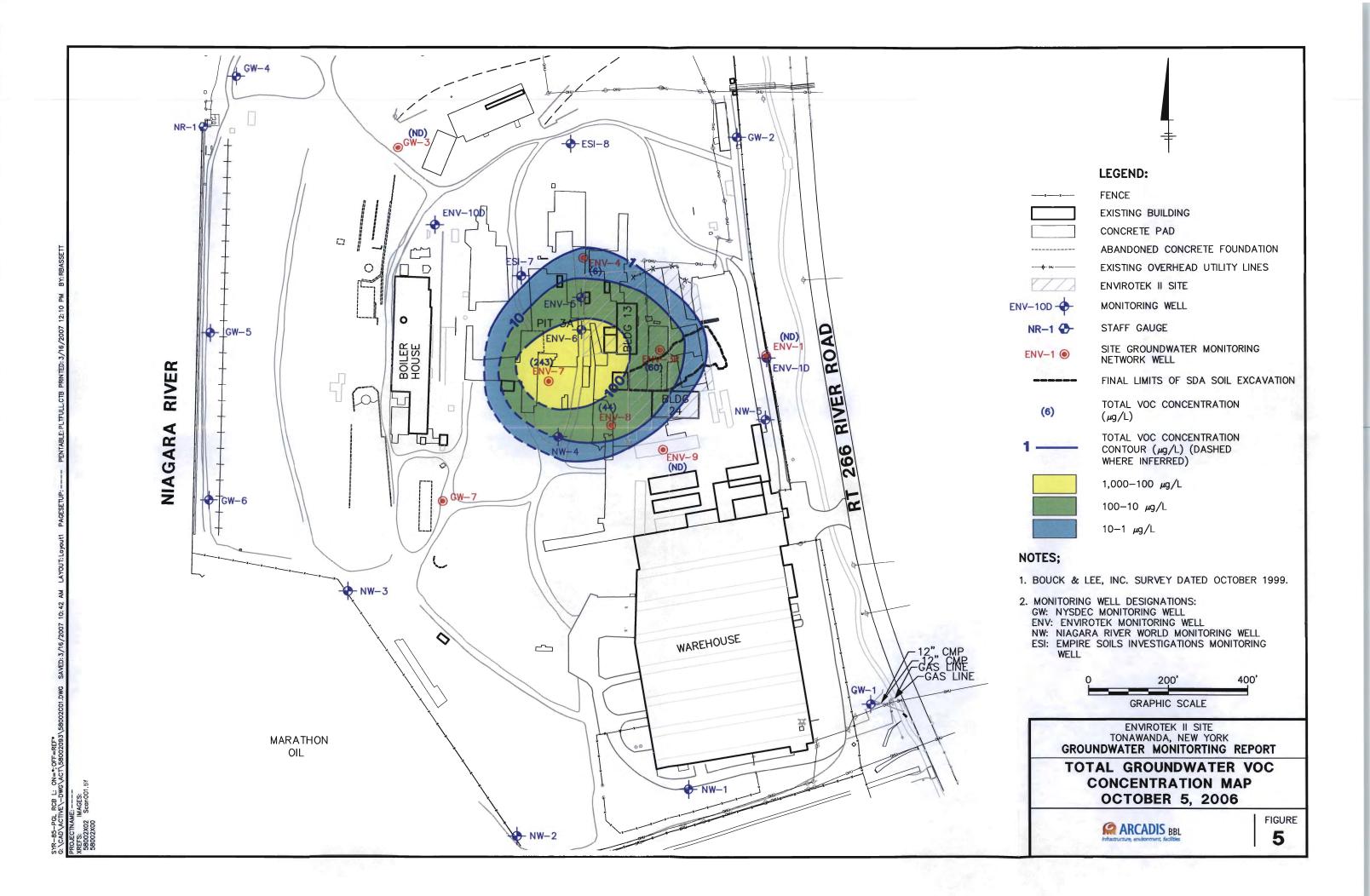
E Value above quantitation range

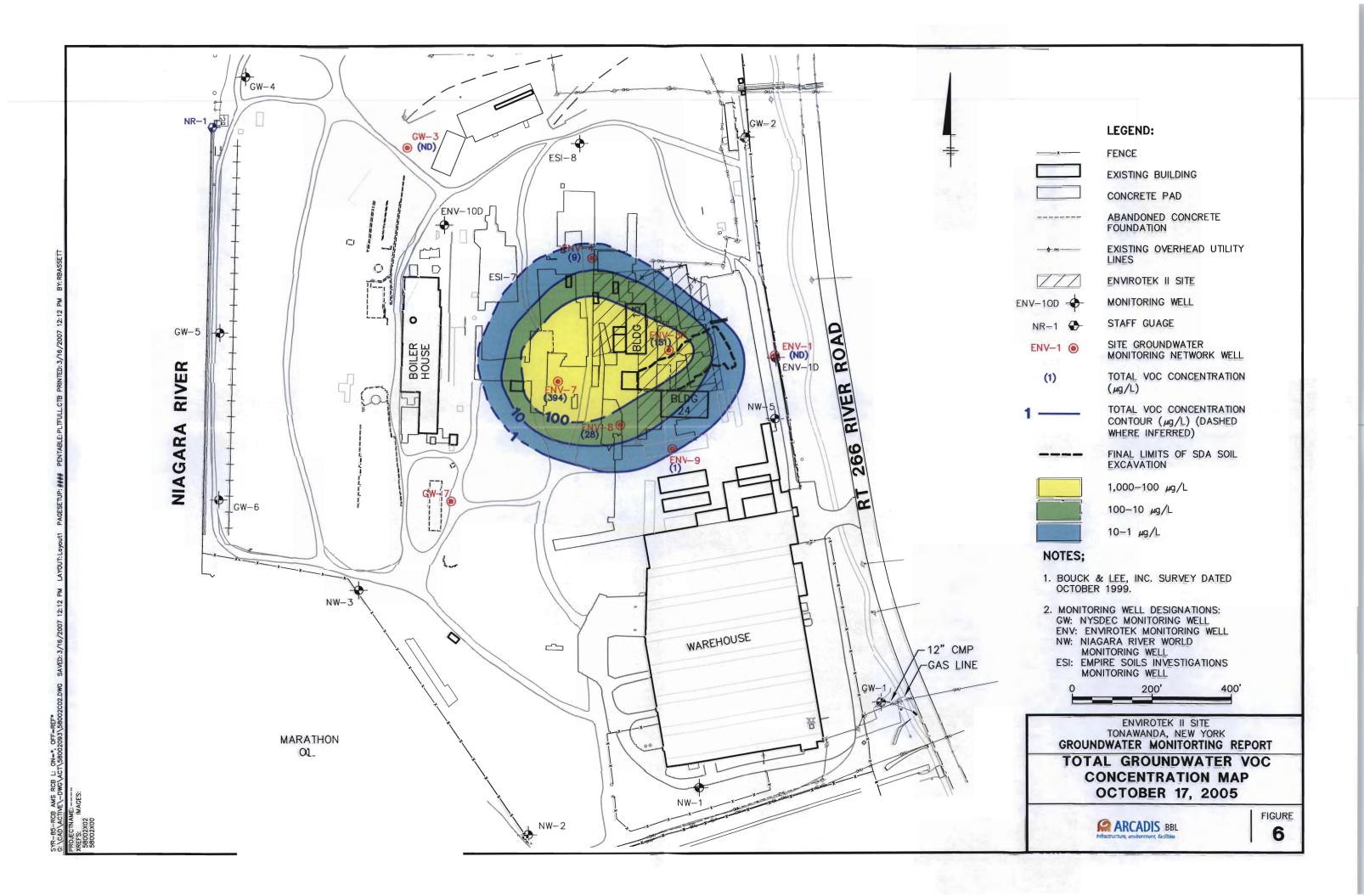
J Analyte detected below quantitation limits

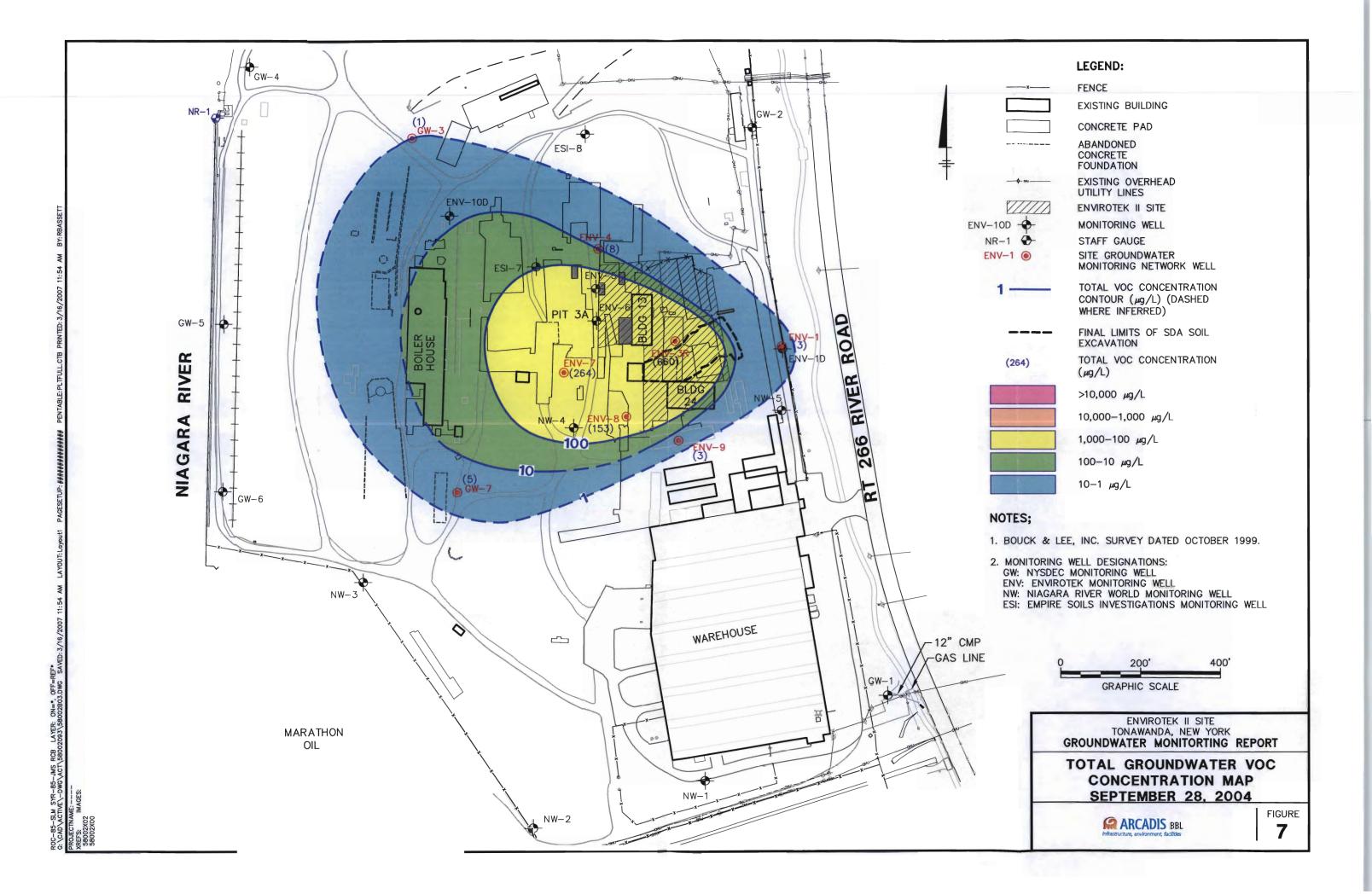
**Date:** 22-Oct-08

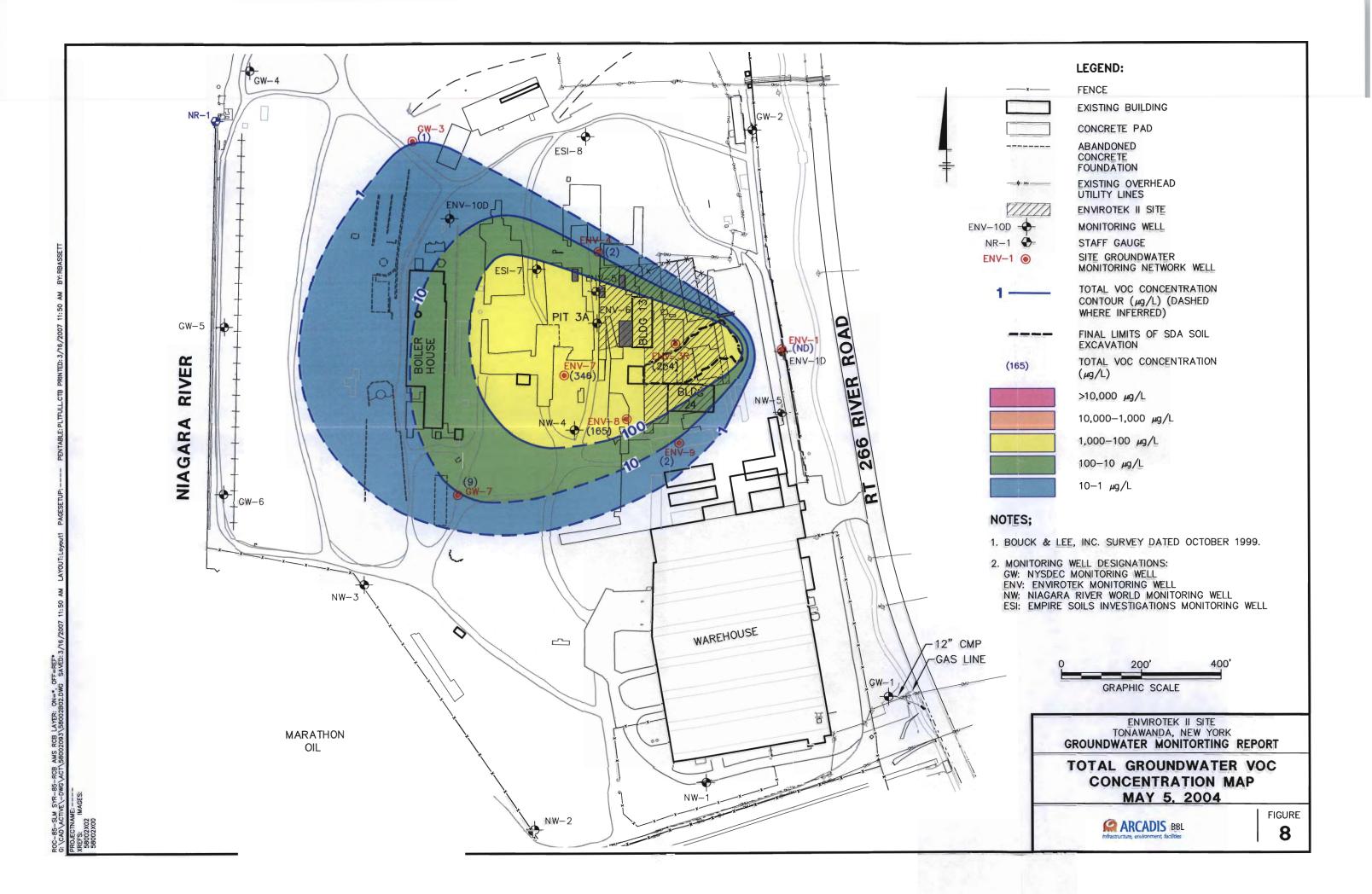
## **APPENDIX B**

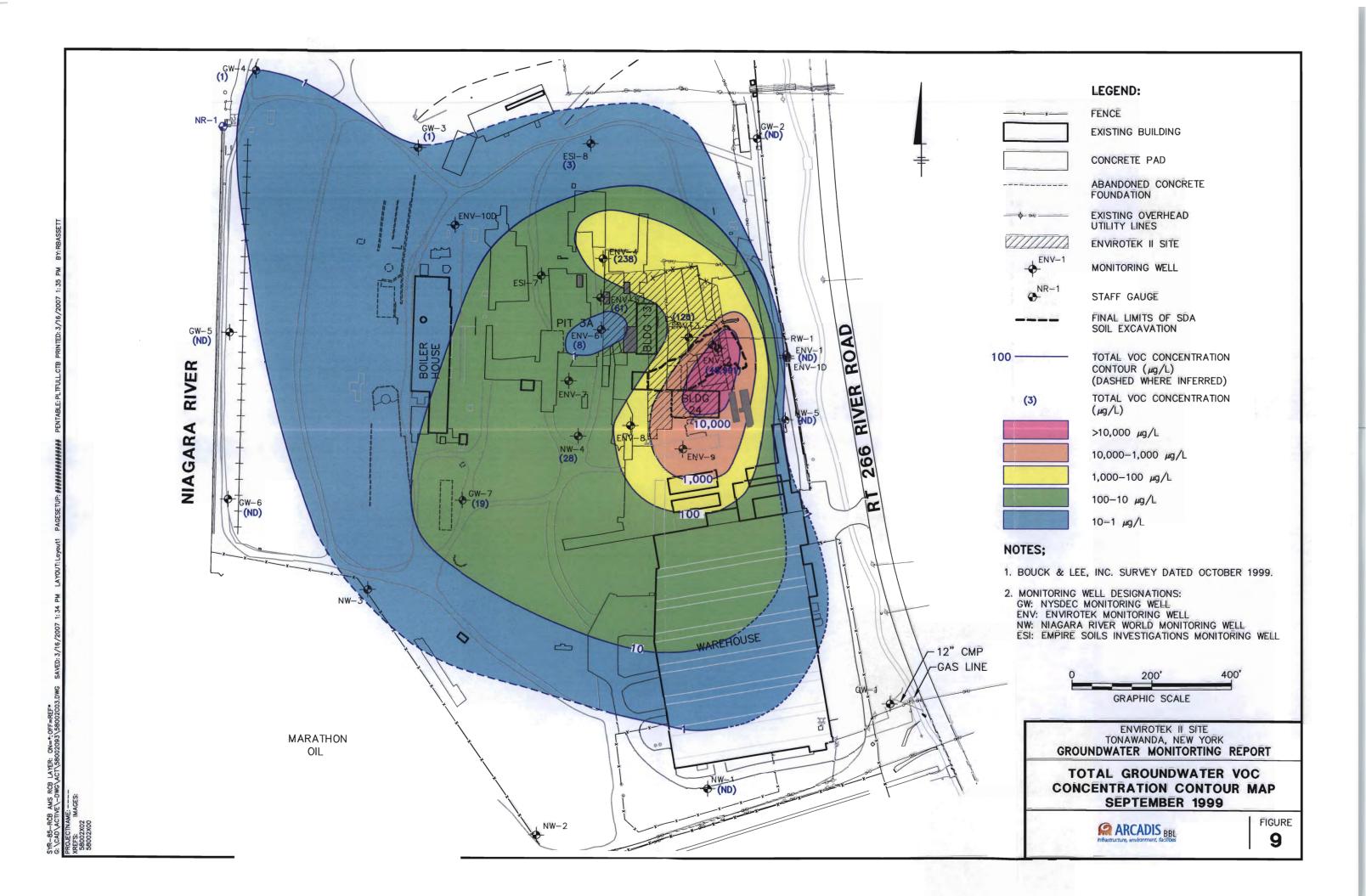












# **APPENDIX C**



SITE Envirotek II Sampling			DATE	10/07/08	
Samplers: Brian	Doyle		SAMPLE ID	ENV-1; MS; MSD	
	Depth of well (from reference point)  Initial static water level (from top of casing)  Top of PVC Casing Elevation	24.2 6.4 579.46		555.26 573.06	
Evacuation Meth	nod:		Well Volume	e Calculation	
Submersible	Centrifugal	2in. casing:	17.8	ft. of water x .16 =	2.85 gallons
Airlift	Pos. Displ.	3in. casing:		ft. of water x .36 =	gallons
Bailer	X >>> No. of bails	4in. casing:		ft. of water x .65 =	gallons
Volume of wa	ter removed 8.54 gals.  > 3 volumes: yes no dry: yes no				
Field Tests:	Temp: pH Conductivity DO Turbidity Oxidation Reduction Potential(ORP)	14.7 °C 6.91 1.12 mS/cm 2.78 mg/l 101 NTUs -150 mV			
Sampling:				Time: 2:15 Pl	М
Sampling Method:	Stainless Steel Bailer Disposable Bailer  Disposable Pump	Analyses:	Baseline Routine	X	
Observations:					
Weath	ner/Temperature: Clear, 65°F				
Physic	cal Appearance and Odor of Sample:	ear, no odor.			
Comments:	9/16" socket needed to open cover.  Well is flush with pavement.				
0.5					

SITE Envirotek II Sampling			DATE	10/07/08
Samplers: Brian l	Doyle		SAMPLE ID	ENV-3
	Depth of well (from top of casing) Initial static water level (from top of casing) Top of PVC Casing Elevation	15.8 10.4 580.14		564.34 569.74
Evacuation Metho	od:		Well Volume	Calculation
Submersible	Centrifugal	2in. casing:	5.4	ft. of water x .16 = $0.86$ gallons
Airlift	Pos. Displ.	3in. casing:	<del> </del>	ft. of water x .36 = gallons
Bailer	X >>> No. of bails	4in. casing:		ft. of water x $.65 =$ gallons
Volume of water	er removed 2.59 gals.  > 3 volumes: yes no  dry: yes no			
Field Tests:	•	15.1 °C 7.64 1.14 mS/cm 1.85 mg/l 316 NTUs -19 mV		
Sampling:				Time: 11:45 AM
Sampling Method:	Stainless Steel Bailer Disposable Bailer  Disposable Pump		Baseline Routine	X
Observations:				
Weathe	r/Temperature: Clear, 65°F			
Physica	al Appearance and Odor of Sample: Dar	k brown initally,	then clear.	
Comments:	9/16" socket needed to open cover. Well is flush with pavement.			

SITE Envirotek II Sampling			DATE	10/07/08	
Samplers:	amplers: Brian Doyle			SAMPLE ID	ENV-4
		Depth of well (from top of casing) Initial static water level (from top of casing) Top of PVC Casing Elevation	23.3 13.9 582.60		559.3 568.70
Evacuation	n Metho	od:		Well Volume	Calculation
Subme	ersible	Centrifugal	2in. casing:	9.4	ft, of water x .16 = 1.50 gallons
Airlift	t	Pos. Displ.	3in. casing:		ft. of water x .36 = gallons
Bailer	r	X >>> No. of bails	4in. casing:		ft. of water x .65 = gallons
Volun	ne of wat	er removed 4.51 gals.  > 3 volumes: yes no  dry: yes no			
Field Tests	s:	pH 8 Conductivity 0.7 DO 1 Turbidity 1	3.4 °C .75 749 mS/cm .96 mg/l 136 NTUs 223 mV		
Sampling:	:				Time: 5:45 PM
Sampling Mo	ethod:	Stainless Steel Bailer Disposable Bailer  Disposable Pump	Analyses:	Baseline Routine	X
Observation	ons:				
*1	Weathe	er/Temperature: Clear, 60°F			
	Physica	al Appearance and Odor of Sample: Clear	, some sulfur o	dor.	
Comments	s <u>:</u>	Well outside cap rusted and almost deterorianthere is an obstruction in the well at 7' depth			

SITE Envirotek II Sampling			DATE	10/07/08		
Samplers: Brian	Doyle		SAMPLE ID	ENV-7		
	Depth of well (from top of casing)  Initial static water level (from top of casing)  Top of PVC Casing Elevation	$\frac{17.2}{13.4}$ 582.74		565.54 569.34		
Evacuation Metho	od:		Well Volume	e Calculation		
Submersible	Centrifugal	2in, casing:	3.8	3 ft. of water x .16 = 0.61 gallons		
Airlift	Pos. Displ	3in. casing:		ft. of water x .36 = gallons		
Bailer	X >>> No. of bails	4in. casing:		ft. of water x .65 = gallons		
Volume of wat	er removed 1.82 gals.  > 3 volumes: yes no dry: yes no					
Field Tests:	pH         7.           Conductivity         0.9           DO         2           Turbidity         70	3.8 °C 45 mS/cm 2.8 mg/l 0.5 NTUs 49 mV				
Sampling:				Time: 12:30 PM		
Sampling Method:	Stainless Steel Bailer Disposable Bailer  Disposable Pump	Analyses:	Baseline Routine	X		
Observations:						
Weathe	er/Temperature: Clear, 65°F			·		
Physica	al Appearance and Odor of Sample: No od	or, dark brow	n initally, then	ı clear.		
Comments: Well pad is intact and the stickup protective cover is in good condition.						

SITE	Enviro	tek II Sampling		DATE		10/07/08		
Samplers:	Brian I	Doyle			SAMPLE ID	ENV-8		
		Depth of well (from top of casing)Initial static water level (from top of casing) Top of PVC Casing Elevation		17.8 13.5 583.11		. 565.31 . 569.6		
Evacuation	n Metho	od:			Well Volum	e Calculation		
Subm	ersible	Centrifugal		2in. casing:	4.:	$\frac{3}{2}$ ft. of water x .16 = $\frac{0.69}{2}$	gallons	
Airlifi	t	Pos. Displ.		3in, casing:		ft, of water x .36 =	gallons	
Bailer	:	X >>> No. of bails		4in. casing:		ft. of water x .65 =	gallons	
Volun	ne of wate	er removed 2.06 gals.  > 3 volumes: yes no dry; yes no						
Field Test	s:	Temp: pH Conductivity DO Turbidity Oxidation Reduction Potential(ORP)	1.26 N/A	mS/cm mg/l NTUs mV				
Sampling:						Time: 10:45 AM		
Sampling Mo	ethod:	Stainless Steel Bailer  Disposable Bailer  Disposable Pump		Analyses:	Baseline Routine	X		
Observation	ons:							
	Weathe	or/Temperature: Clear, 60°F						
	Physica	al Appearance and Odor of Sample:	Some od	or, dark gra	yish color			
Comments	s:	Lock is rusted and should be replaced.					-	
		Field equipment unable to record a turb	idity rea	ding due to	very murky v	vater.		

SITE	Enviro	tek II Sampling			-		DATE		10/07/08		
Samplers:	Brian I	Doyle			_		SAMPLE	ID	ENV-9		
		Depth of well (f Initial static wat Top of PVC Ca	er level (from			18.3 14.0 583.65			565.35 569.65		
Evacuation	n Metho	od:					Well Vol	lume	Calculation		
Submo	ersible		Centrifugal		_	2in. casing:		4.3	ft. of water $x . 16 =$	0.69	gallons
Airlift	t		Pos. Displ.		_	3in. casing:	-		ft. of water $x . 36 =$		gallons
Bailer	•	<u>X</u> >>>	> No. of bails		-	4in. casing:			ft. of water $x .65 =$		gallons
Volun	ne of wate	er removed > 3 volumes: dry:	2.06  yes  yes	gals. no no	]						
Field Tests	s:	Temp: pH Conductivity DO Turbidity Oxidation Redu	ction Potential	(ORP)	1.3 N/A	_					
Sampling:									Time: 10:00	AM	
Sampling Me	ethod:	Stainless Steel Ba Disposable Bailer Disposable Pump	-	X	- - -	Analyses:	Baseline Routine		X		
Observation	ons:										
	Weathe	r/Temperature:	Clear, 60°F								
	Physica	l Appearance and	l Odor of Samp	ole:	Some od	lor, dark gra	yish color	•			
Comments	s:	Field equipme Well pad is in							iter.		

SITE Envirotek II Sampling			DATE	10/07/08				
Samplers: Brian	Doyle				SAMPLE ID	GW-7		
	Depth of well (fro Initial static wate Top of PVC Casi	r level (from				569.76 569.76		
Evacuation Metho	od:				Well Volume	e Calculation		
Submersible		Centrifugal		2in. casing:	0.0	ft. of water x .16 =	(	0.00 gallons
Airlift		Pos. Displ.		3in. casing:		ft. of water x .36 =		gallons
Bailer		No. of bails		4in. casing:		ft. of water x $.65 =$		gallons
Volume of wat	er removed	0.00	gals.					
	> 3 volumes:	yes	no					
	dry:	yes	no					
Field Tests:	Temp: pH Conductivity DO Turbidity Oxidation Reduct	tion Potential	(ORP)	mS/cm mg/l NTUs mV				
Sampling:						Time:	5:15 PM	
Sampling Method:	Stainless Steel Bail Disposable Bailer Disposable Pump	er	X	Analyses:	Baseline Routine	X		
Observations:								
Weathe	er/Temperature:	Clear, 60°F	7					
Physica	d Appearance and	Odor of Samp	ple: N	/A				
Comments:	Unable to samp Inner well cap i Previously labe	s cracked.	·					

SITE	Envirotek II Sampling		DATE	10/07/08	
Samplers:	Brian Doyle		SAMPLE ID	GW-3	
	Depth of well (from top of casing) Initial static water level (from top of casing) Top of PVC Casing Elevation	21.1 10.8 579.00		557.90 568.20	
Evacuation	Method:		Well Volume	e Calculation	
Subme	rsible Centrifugal	2in, casing:	10.3	ft. of water x ,16 =	1.65 gallons
Airlift	Pos, Displ.	3in, casing:	,	ft. of water x .36 =	gallons
Bailer	X >>> No. of bails	4in. casing:	·	ft. of water x .65 =	gallons
Volum	e of water removed 4.94 gals.  > 3 volumes: yes no  dry: yes no				
Field Tests	· -	14.2 °C 11.39 1.83 mS/cm 1.83 mg/l 44.2 NTUs -258 mV			
Sampling:				Time: 3:30 PM	
Sampling Me	thod: Stainless Steel Bailer Disposable Bailer X Disposable Pump		Baseline Routine	X	
Observation	ns:				
	Weather/Temperature: Clear, 65°F				
	Physical Appearance and Odor of Sample: No	odor, clear			
Comments	: Well pad is intact and the stickup protection	ve cover is in good	d condition.		

SITE Envirotek II Sampling			DATE		10/07/08	
Samplers:	Brian	Doyle		SAMPLE ID	NRG-3	
		Depth of well (from top of casing)  Initial static water level (from top of casing)  Top of PVC Casing Elevation	15.7 13.7 584.55		568.85 570.85	
Evacuation	n Metho	od:		Well Volume	e Calculation	
Subm	ersible	Centrifugal	2in. casing:	2.0	ft, of water x .16 = $\frac{0.32}{}$ gallons	
Airlift	ì	Pos. Displ.	3in. casing:		ft. of water x .36 = gallons	
Bailer	r	X >>> No. of bails	4in. casing:		ft. of water $x .65 =$ gallons	
Volun	ne of wat	er removed 0.50 gals.  > 3 volumes: yes no dry: yes no				
Field Test	s;	pH         8.4           Conductivity         0.66           DO         2.6           Turbidity         2.5	5 °C 61 mS/cm 02 mg/l 50 NTUs 33 mV			
Sampling:	:				Time: 4:30 PM	
Sampling Mo	ethod:	Stainless Steel Bailer  Disposable Bailer  Disposable Pump	Analyses:	Baseline Routine	X	
Observation	ons:					
	Weathe	er/Temperature: Clear, 60°F				
	Physica	al Appearance and Odor of Sample: No ode	or, dark grayis	h color		
Comments	s <u>:</u>	Well pad is intact and the stickup protective co	over is in good	d condition.		

SITE Envirotek II Sampling		_	DATE		10/07/08				
Samplers:	Brian D	oyle		<b>-</b>		SAMPLE ID	NRG-4		
		Depth of well (from top Initial static water level Top of PVC Casing Ele	(from top of casin		18.4 12.2 582.31		2 563.91 2 570.11	Ē	
Evacuation	n Method	1:				Well Volum	ne Calculation	n	
Subme	ersible .	Centri	iugal	-	2in, casing:	6.	2 ft. of water x	.16 =	0.99 gallons
Airlift	ì,	Pos. D	spl.		3in. casing:		ft. of water x	.36 =	gallons
Bailer	r	>>> No. of	bails	_,	4in. casing:		ft. of water x	.65 =	gallons
Volun	me of water	8	2.98 gals.  es no  no	]					
Field Tests		Temp: pH Conductivity DO Turbidity Oxidation Reduction Po	tential(ORP)	10.02 0.472 2.74 78	mS/cm mg/l NTUs				
Sampling:	:						Time:	4:00 PM	
Sampling Mo		Stainless Steel Bailer Disposable Bailer Disposable Pump	X	  	Analyses:	Baseline Routine	X	e e	
Observation	ons:								
	Weather	Temperature: Clear	, 65°F						
	Physical	Appearance and Odor of	f Sample:	No odor	, dark brown	n initally, the	n clear		
Comments: Well pad is intact and the stickup protective cover is in good condition.									

# APPENDIX D



# Niagara River World Inc.

4000 River Road • Tonawanda, NY 14150 (716) 877-1234 • Fax (716) 877-1233

Web: niagarariverworld.com • E-mail: niagararw@aol.com

Mr. Glenn May, Project Manager NYS Department of Environmental Conservation Division of Environmental Remediation 270 Michigan Ave. Buffalo, New York 14203

Re: SITE NO. 9-15-056 ROBLIN STEEL

December 8, 2008

Dear Mr. May:

I hereby certify that no excavation took place at the above referenced site during the past twelve months; therefore the Soil Management Plan that applies to the site was not invoked.

Bonnie M. Leto, President Niagara River World, Inc.

Bonnie m L&D





# ENCLOSURE 1 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

SI	ITE NO.	9-15-056 SITE DETAILS			
SI	TE NAME	Roblin Steel			
SI	TE ADDRESS:	4000 River Road	ZIP CODE: 14150		
CI	TY/TOWN:	Tonawanda	, 0002. 14150		
CC	DUNTY:	Erie			
CL	JRRENT USE:	Warehousing/Vacant			
CL	JRRENT CERT	IFICATION FREQUENCY: Annually			
		VERIFICATION OF SITE DETAILS			
			YES	NO	
1.		E DETAILS above, correct?	×		
		nanges handwritten above or included on a separate sheet?			
2.	Has some of amendment	r all of the site property been sold, subdivided, merged, or undergone a since the initial/last certification?	tax map	×	
	moradod min	cumentation or evidence that documentation has been previously subn this certification?			
3.	property	deral, state, and/or local permits (e.g., building, discharge) been issued since the initial/last certification?		×	
	If YES, is doo included with	cumentation or evidence that documentation has been previously subm this certification?	nitted		
4.	Has a change	e-of-use occurred since the initial/last certification?		×	
	moladea Willi	cumentation or evidence that documentation has been previously submathis certification?			
5.	quantative exp	information come to your attention to indicate that assumptions made in sosure assessment for offsite contamination are no longer valid (applies at threat sites subject to ECL 27-1415.7(c))?	in the es to	×	
	If YES, is the submitted incl	new information or evidence that new information has been previously uded with this certification?			
ô.	Are the assumevery five yea	nptions in the qualitative exposure assessment still valid (must be certif rs for non-significant threat sites subject to ECL 27-1415.7(c))?	fied		
				I	

If NO,	are changes in th	e assessment	included with	this certification?
--------	-------------------	--------------	---------------	---------------------

SITE NO. 9-15-056		
Description of Institutional/Engineering Control	Control Certification	
	YES	NO
ENVIRONMENTAL EASEMENT	×	
Limit the use and development of the property to commercial or industrial uses only; Restrict use of groundwater as a source of potable or process water	×	

#### **CONTROL CERTIFICATION STATEMENT**

For each institutional or engineering control listed above, I certify by checking "Yes" that all of the following statements are true:

- (a) the institutional control and/or engineering control employed at this site is unchanged from the date the control was put in-place, or last approved by the Department;
- (b) nothing has occurred that would impair the ability of such control to protect public health and the environment;
- (c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and
- (d) access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control.
- (e) if a financial assurance mechanism is required under the remedial work plan for the site, the mechanism remains valid and sufficient for their intended purpose under the work plan.

#### CONTROL CERTIFICATIONS SITE NO. 9-15-056

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE  I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.					
BONNIE M LETO (print name), 4	000 RIVER	RD,	TONAWANDA, NY		
(print business address), am certifying as			(Owner or		
Owner's Designated Site Representative (if the site consists of multiple properties, I have been authorized and					
designated by all site owners to sign this certification) for the Site named in the Site Details section of this form.					
Bonnie m Le To					
Signature of Site Owner or Representative Rendering Cert	ification	-	12 · 8 · 2 008 Date		
	Waller of the Aller of				
QUALIFIED ENVIRONMENTAL PROFESSIONAL (QEP) SIGNATURE  certify that all information and statements in this Certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.					
	(print name),				
( print business address), am certifying as a Qualified Environmental Professional for the					
(Owner or Owner's Representative) for the Site named in the Site Details section of this form.					
Cimpohuro of Our Pittin I E	-				
Signature of Qualified Environmental Professional, for the Owner or the Owner's Representative, Rendering Certification	Stamp (if Requi	ired)	Date		