

**FOURTH FIVE-YEAR REVIEW REPORT FOR  
CIRCUITRON CORPORATION SUPERFUND SITE  
EAST FARMNGDALE, SUFFOLK COUNTY, NEW YORK**



**Prepared by**

**U.S. Environmental Protection Agency  
Region 2  
New York, New York**

A handwritten signature in blue ink that reads "Eric Wilson".

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**Eric Wilson, Acting Director  
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A handwritten date in blue ink that reads "1/24/20".

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**Date**

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## Table of Contents

LIST OF ABBREVIATIONS & ACRONYMS .....	2
I. INTRODUCTION .....	3
FIVE-YEAR REVIEW SUMMARY FORM .....	4
II. RESPONSE ACTION SUMMARY .....	4
Basis for Taking Action .....	4
Response Actions .....	5
Status of Implementation .....	6
IC Summary Table .....	8
Systems Operations/Operation & Maintenance .....	8
III. PROGRESS SINCE THE LAST REVIEW .....	10
IV. FIVE-YEAR REVIEW PROCESS .....	10
Community Notification, Involvement & Site Interviews .....	10
Data Review .....	10
Site Inspection .....	13
V. TECHNICAL ASSESSMENT .....	13
QUESTION A: Is the remedy functioning as intended by the decision documents? .....	13
QUESTION B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives (RAOs) used at the time of the remedy selection still valid? .....	14
QUESTION C: Has any other information come to light that could call into question the protectiveness of the remedy? .....	15
VI. ISSUES/RECOMMENDATIONS .....	15
OTHER FINDINGS .....	15
VII. PROTECTIVENESS STATEMENT .....	16
VIII. NEXT REVIEW .....	16
APPENDIX – TABLES AND FIGURES .....	17

## LIST OF ABBREVIATIONS & ACRONYMS

ARAR	Applicable or Relevant and Appropriate Requirement
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
COC	Contaminant of Concern
EPA	United States Environmental Protection Agency
FS	Feasibility Study
FYR	Five-Year Review
HHRA	Human Health Risk Assessment
ICs	Institutional Controls
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NPL	National Priorities List
NYSDEC	New York State Department of Environmental Conservation
O&M	Operation and Maintenance
PCE	Tetrachloroethylene
PRP	Potentially Responsible Party
PSTS	Pilot Source Area Treatment System
RA	Remedial Action
RAO	Remedial Action Objectives
RD	Remedial Design
RI	Remedial Investigation
ROD	Record of Decision
RPM	Remedial Project Manager
SCG	Soil Cleanup Goal
SVE	Soil Vapor Extraction
TBC	To Be Considered
TCA	1,1,1-trichloroethane
TCE	Trichloroethylene
VOC	Volatile Organic Compound

## I. INTRODUCTION

The purpose of a Five-Year Review (FYR) is to evaluate the implementation and performance of a remedy in order to determine if the remedy is and will continue to be protective of human health and the environment and is functioning as intended by the decision documents. The methods, findings, and conclusions of reviews are documented in FYR reports such as this one. In addition, FYR reports identify issues found during the review, if any, and document recommendations to address them.

The U.S. Environmental Protection Agency (EPA) is preparing this FYR pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 121, consistent with the National Contingency Plan (NCP)(40 CFR Section 300.430(f)(4)(ii)), and considering EPA policy.

This is the fourth FYR for the Circuitron Corporation Superfund Site (Site). The triggering action for this policy review is the completion date of the previous FYR, which was signed on January 12, 2015. The FYR has been prepared due to the fact that the remedial action will not leave hazardous substances, pollutants or contaminants on-site above levels that allow for unlimited use and unrestricted exposure, but requires five or more years to complete.

The Site consists of two operable units (OUs), both of which are addressed in this FYR. The first operable unit (OU1) addresses the sources of the groundwater contamination and has been completed with the exception of the remediation of the contamination in soils at and below the water table in the southwest corner of the property. The second operable unit (OU2) addresses the treatment of the groundwater. Both groundwater and the remaining source are currently being addressed by an air-sparging (AS) system and a soil vapor extraction (SVE) system targeting remaining contamination at and below the water table in the southwest corner of the property.

The Site FYR was led by Mark Dannenberg, the Remedial Project Manager (RPM). Participants included Liana Agrios (EPA hydrogeologist), Urszula Filipowicz (EPA human health risk assessor), and Charles Nace (EPA ecological risk assessor). The review began on 6/20/2019.

### **Site Background**

The Site is situated at 82 Milbar Boulevard in East Farmingdale, Suffolk County, Long Island, New York (see **Figure 1** for site location). The Site encompasses approximately one acre in an industrial/commercial area. Within a mile of the site is a mixture of industrial and commercial areas, cemeteries, Republic Airport, and Bethpage State Park. The closest residential community is located approximately one mile southwest of the Site.

The Site consisted of an abandoned 23,500 square foot building that was used between 1961 and 1986 for the manufacture of electric circuit boards. Wastes were discharged to leaching pits, cesspools and storm drains outside and inside the building. Circuitron vacated the premises between May and June of 1986. No manufacturing operations have taken place at the Site since then. The community is serviced by a public water purveyor that meets appropriate federal and state drinking water standards.

## FIVE-YEAR REVIEW SUMMARY FORM

SITE IDENTIFICATION		
<b>Site Name:</b> Circuitron Corporation Superfund Site		
<b>EPA ID:</b> NYD981184229		
<b>Region:</b> 2	<b>State:</b> NY	<b>City/County:</b> East Farmingdale, Suffolk County
SITE STATUS		
<b>NPL Status:</b> Final		
<b>Multiple OUs?</b> Yes	<b>Has the site achieved construction completion?</b> Yes	
REVIEW STATUS		
<b>Lead agency:</b> State <i>[If "Other Federal Agency", enter Agency name]:</i>		
<b>Author name (Federal or State Project Manager):</b> Mark Dannenberg		
<b>Author affiliation:</b> EPA		
<b>Review period:</b> 6/20/2019 - 12/12/2019		
<b>Date of site inspection:</b> 12/18/2019		
<b>Type of review:</b> Policy		
<b>Review number:</b> 4		
<b>Triggering action date:</b> 1/12/2015		
<b>Due date (five years after triggering action date):</b> 1/12/2020		

## II. RESPONSE ACTION SUMMARY

### Basis for Taking Action

The first remedial investigation and feasibility study (RI/FS) evaluated the contaminated soil and sediment at the site and was initiated in September 1988 and completed in January 1991. A focused feasibility study (FFS) for OU2 (groundwater) was initiated in January 1992 and completed in the summer of 1994. Based on the risk assessment conducted as part of the RI/FS, the only potential exposure of concern identified was the development of the Upper Glacial aquifer as a public water supply in the future. The residents in the area are on a public water supply from supply wells located in the deeper part of the Magothy aquifer; therefore, there are no current exposures to contaminated groundwater. The risk assessment also concluded that direct exposure to the Site soils and sediments did not represent a significant risk to human health (namely, to industrial or construction workers) and the environment. However, the contaminated soil and sediment did pose a significant indirect potential risk

as a continuing source of groundwater contamination to future residents through the ingestion and the non-ingestion uses of groundwater. A detailed ecological risk assessment was determined not to be warranted.

Through these site investigations, EPA determined that the contaminants of concern present in soils, sediments, and in the groundwater included VOCs (primarily 1,1,1-trichloroethane (TCA), 1,1-dichloroethene, and tetrachloroethene (PCE)), arsenic, copper, chromium and lead. The Site-related VOC groundwater contaminant plume was determined to have a width of about 600 feet and to extend vertically into the shallow portion (upper 40 saturated feet) of the Upper Glacial aquifer. Groundwater contamination was also identified deeper in the groundwater beneath the Site (in the lower Upper Glacial aquifer and the upper Magothy aquifer) that was attributed to other, upgradient sources, and not from the Circuitron Corporation Site. The groundwater contamination from other upgradient sources is not a component of the remedial actions (RAs) at the Site.

The chronology of events at the Site are presented in **Table 1**

## **Response Actions**

### *Initial Response*

In June 1987, EPA initiated a removal action and a preliminary assessment of the Site. Subsequently, Circuitron Corporation removed a substantial number of the containers left onsite. In 1988, EPA continued the removal action and sampled and removed remaining waste drums and three aboveground tanks, as well as the contents of seven underground storage tanks, two below-surface treatment basins, and several leaching basins. The action involved consolidating the various waste streams, removing the tanks located at the rear of the property, and removing contaminated debris inside the building. In total, 120 cubic yards of contaminated soil/sediments and debris, 56 drums of hazardous liquids, and an additional 1,400 gallons of tanked hazardous liquids were removed and properly disposed of off-site. The on-site removal activities were completed in September 1989. The Site was added to the NPL on March 31, 1989.

### *Remedy Selection*

The OU1 ROD selected the remedy to address the contaminated soil and sediment at the Site and was signed on March 29, 1991.

The following is the RAO selected in the OU1 ROD:

- remove the site-related sources of contamination into the groundwater to expedite compliance with federal and state groundwater standards.

The following are the major components of the source control remedy selected in the OU1 ROD:

- SVE of the contaminated soil in the southwest corner of the property in the area of high VOC contamination;
- Excavation of contaminated sediments from leaching pits, cesspools and storm drains outside and inside the building;
- Off-site treatment and disposal of contaminated sediments; and

- Building decontamination via vacuuming of dust containing elevated concentrations of inorganic elements and replacement of the concrete floor in the building.

The OU2 ROD selected the remedy to address the contaminated groundwater and was signed on September 29, 1994.

The following are the RAOs selected in the OU2 ROD:

- Prevent potential future ingestion of site-related contaminated groundwater;
- Restore the quality of the groundwater contaminated from the site-related activities to levels consistent with the federal and state drinking water and groundwater quality standards; and
- Mitigate the off-site migration of the site-related contaminated groundwater.

The following are the major components of the groundwater remedy selected in the OU2 ROD:

- Treatment, via metal precipitation and air stripping, of site-related contaminated groundwater in the upper 40 feet of the saturated Upper Glacial aquifer to drinking water standards; and
- Disposal of treatment residuals at a Resource Conservation and Recovery Act (RCRA) Subtitle C facility.

**Table 2a** contains the soil cleanup levels selected in the OU1 ROD. **Table 2b** contains the groundwater remediation goals selected in the OU2 ROD.

### **Status of Implementation**

EPA performed the remedial designs (RDs) and RAs for the Site because there were no viable potentially responsible parties. Circuitron Corporation and the property owner had filed for bankruptcy in 1986 and 1987, respectively.

#### **OU1 Source Control Remediation - Building Demolition**

The OU1 ROD required the Circuitron building to be decontaminated via vacuuming of dust containing elevated concentrations of inorganic elements and replacement of the concrete floor in the building. However, due to inclement weather during the 1992/1993 winter, the building had deteriorated markedly, and a decision was made to demolish the building. EPA documented this change in the OU2 ROD. Subsequent to the removal of all debris, drums left on-site containing waste derived from previous investigations, asbestos containing materials from the building and dust vacuumed from the plating room, the building was demolished. In August 1996, the final inspection of these activities was conducted. EPA determined that the contractor (Sevenson) completed all material decontamination, asbestos containing materials abatement, building demolition and waste disposal and approved the *Remedial Action Report*, documenting the completion of the RA, on September 30, 1996.

#### **OU1 Source Control Remediation - Contaminated Sediment and Soil Removal**

ICF Corporation, on behalf of EPA, performed and completed the RD for contaminated sediment and soil removal in September 1994. In September 1995, the results of a geoprobe study conducted at the Site determined the spatial extent of metal contamination which, ultimately, led to the removal of approximately 50 tons of contaminated sediments and 1,200 tons of contaminated soils.

In addition, from November to December, nine 55-gallon drums and four 750-gallon polyethylene tanks left on-site containing waste derived from previous investigations were sampled for full RCRA Toxicity Characteristics Leaching Procedure, PCB and RCRA characteristics, and properly disposed of off-site. The final inspection was conducted in January 1997, and EPA determined that the remedial activities were completed, and approved a *Remedial Action Report*, documenting the completion of the RA on March 31, 1997.

### OU2 Groundwater Remediation and OU1 SVE System

From February 1995 until September 1996, EBASCO Services, Inc., on behalf of EPA, performed the RD for the OU2 groundwater treatment system. The USACE contracted with Radian International (Radian) and URS Corporation (URS) to implement the groundwater treatment RA selected in the OU2 ROD. In November 1998, before beginning the RA, Radian conducted groundwater sampling via test borings and from new and existing groundwater monitoring wells. The results of this sampling program were used to determine the final locations of the groundwater extraction wells. Radian initiated on-site construction activities in September 1999.

The groundwater remedy consisted of pumping contaminated groundwater out of the aquifer from three off-site recovery wells, treating it through filtration, air stripping and carbon adsorption, and reinjecting it into the aquifer through the on-site reinjection trench. On May 15, 2001, EPA approved a *Remedial Action Report* signifying that the system was operational and functional.

In 2004, EPA conducted a remedial system evaluation of the Site to recommend improvements in the remedy effectiveness, to achieve reductions in operations and maintenance (O&M) costs, and to attain Site closure. The contractor recommended directly addressing the remaining contamination located in the southwest corner of the Site near monitoring well MW-4S, where moderate levels of VOCs have been detected in the groundwater, by installing the SVE remedy (from the OU1 ROD) and augmenting it with a limited number of air sparging points. VOC concentrations in most wells had dropped steadily since the installation of the groundwater remedy; however, TCA remained above groundwater drinking water standards in the southwest corner of the property, specifically, at monitoring well MW-4S.

Between November 2005 and February 2008, EPA conducted soil and groundwater sampling to fully delineate the horizontal and vertical extent of contamination near monitoring well MW-4S. The results of the sampling showed that elevated levels of VOCs still remained in two distinct source areas (namely, under storm drains SD2 and SD3). SD3 is located in the southwest corner of the Site, and SD2 is located about 30 feet north of SD3. (see **Figure 2 - Site Layout**).

In May 2007, the RD for the treatment system called for installing a single integrated groundwater circulation well (GCW) with an in-well vapor stripping (IVS) and SVE system (*i.e.* the GCW/IVS/SVE system) to address the contaminated area in the southwest corner of the Site. The GCW/IVS/SVE system was installed to address the remaining contamination at the Site, specifically the contaminated subsurface soils and groundwater located in the southwest corner of the Site, by physically separating the contaminants from the soil and the groundwater in vapor form. The GCW/IVS/SVE system replaced the original groundwater pump and treat system installed under the OU2 ROD. The single subsurface GCW/IVS/SVE well was installed below SD3, which had the highest level of soil contamination.

In August 2007, the original groundwater pump and treat facility was shut down, concurrent with the installation of GCW/IVS/SVE system. At that time, the total VOC influent concentration had been



reduced to less than 10 parts per billion (ppb). After August 2007, URS maintained a limited operation of the pump and treat facility in the event the system needed to be restarted to meet the groundwater remediation goals. As of August 2010, EPA determined that the GCW/IVS/SVE system was effective in treating the contaminated groundwater and soil. Subsequently, in December 2011, EPA dismantled the original on-site groundwater pump and treat facility. In June 2012, the three off-site extraction wells were formally decommissioned.

From May 2001 through May 2011, EPA conducted the groundwater remedy, *i.e.*, operation of the PSTS system (*i.e.*, the GCW/IVS/SVE systems). In June 2011, NYSDEC assumed responsibility for the O&M of the GCW/IVS/SVE system and procured Dvirka and Bartilucci (D&B) Consulting Engineers to operate the system until the groundwater remediation goals and soil cleanup levels are achieved.

The operational and performance data for the PSTS indicated that the system, as configured, may have been approaching asymptotic conditions, and, therefore, may not have been capable of achieving the cleanup objectives established for the Site in a reasonable timeframe. As such, D&B, on behalf of NYSDEC, performed a remedial system optimization (RSO) study to evaluate and to develop remedial alternatives to attain cleanup objectives in a timely and cost effective manner. In Autumn 2016, based on the RSO study, NYSDEC modified the existing PSTS system (see **Figures 3, and 4**) to add an air sparging (AS) system (see **Figure 5**) and continue the SVE system (the SVE component of the GCW/IVS/SVE system and the existing SVE equipment). The modified PSTS system discontinued the groundwater circulation well (GCW) and the in-well vapor stripping (IVS) components of the PSTS. The AS system includes three new AS wells installed in the saturated zone (AS-18, AS-28, and AS-38), equipment, instrumentation, piping, fittings, and controls. The three wells are screened from approximately 45 to 47 feet below ground surface (bgs).

**IC Summary Table**

Summary of Planned and/or Implemented Institutional Controls (ICs)

<b>Media, engineered controls, and areas that do not support UU/UE based on current conditions</b>	<b>ICs Needed</b>	<b>ICs Called for in the Decision Documents</b>	<b>Impacted Parcel(s)</b>	<b>IC Objective</b>	<b>Title of IC Instrument Implemented and Date (or planned)</b>
Groundwater	Yes	No	Site	To prevent installation of potable groundwater production wells and withdrawal of groundwater	Suffolk County Sanitary Code – Article 4 Water Supply (rev. Nov 2011) NYS ECL 15-1527 (2003)

**Systems Operations/Operation & Maintenance**

OU2 Groundwater

The O&M activities have been conducted in accordance with the September 2000 Operation and Maintenance Manual and the 2019 Site Management Plan. As previously mentioned, the groundwater pump and treat system was shutdown in August 2007. Based on the reduction of contaminant levels in soil and groundwater concentrations, as detected in sampling conducted in August 2010 and the May

2010, groundwater modeling determining that the GCW/IVS/SVE system was effectively capturing the groundwater plume.

EPA procured Lockheed for implementation of the remedial activities for the GCW/IVS/SVE system. Lockheed conducted the O&M of the GCW/IVS/SVE system in accordance with the Operation and Maintenance Manual. The primary activities associated with the O&M include the following:

- Conduct system operation readings of injection and extraction flow rates and operating pressures/vacuum.
- Conduct system performance monitoring which involves the collection of groundwater levels at monitoring wells and subsurface vacuum readings at the soil vapor probes located near the GCW.
- Flush/clean out the condensate return well line to reduce sediment buildup and to prevent clogging of the return well line.
- Inspect condensate tank for sediment build-up.
- Inspect and replace filter bag on condensate return line.
- Collect soil vapor discharge samples.
- Verify that the high-level, high high-level and low-level shut off switches for the condensate tank are working properly.

In June 2011, NYSDEC assumed responsibility for the O&M of the GCW/IVS/SVE system. NYSDEC's contractor has continued to conduct the O&M of the GCW/IVS/SVE system in accordance with the Operation and Maintenance Manual and the Site Management Plan. Though NYSDEC has made changes to the system, including removal of the IVS component of the system (as described above), substantial modifications have not been made to the O&M activities since the last FYR.

#### **Per- and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane Groundwater Sampling**

In June 2017, NYSDEC performed additional groundwater sampling for emerging contaminants (1,4-dioxane, PFOA and PFOS). Samples for 1,4-dioxane were only detected during the June 2017 sampling event; three samples slightly exceeded NYSDEC's current screening level of 1 ppb. Specifically, MW-1S, GW-SW45S, and GW-SW45M had 1,4-dioxane concentrations of 1.3µg/L, 1.9µg/L, and 2.4µg/L, respectively. 1,4-dioxane was not detected in any subsequent samples. Slightly elevated concentrations of PFOA and PFOS were detected in four monitoring wells during the June 2017 sampling event, namely, MW-4S (PFOA = 22.1 ng/L, PFOS = 28.1 ng/L), MW-4D (PFOA = 26 ng/L, PFOS = 26.3 ng/L), GW-SE15S (PFOA = 14.6 ng/L, PFOS = 24.3 ng/L), and GW-N15S (PFOA = 13.6 ng/L, PFOS = 11.7 ng/L). Of note, none of the samples had combined concentrations above the EPA Office of Water Lifetime Health Advisory Level of 70 parts per trillion for both PFOA and PFOS.

The State of New York is in the process of finalizing Maximum Contaminant Levels (MCLs) for 1,4-dioxane, PFOA and PFOS. EPA will continue to work with NYSDEC to determine whether further sampling at this site is necessary.

Potential Site impacts from climate change have been assessed, and the performance of the remedy is currently not at risk due to the expected effects of climate change in the region and near the Site.

### III. PROGRESS SINCE THE LAST REVIEW

#### Protectiveness Determinations/Statements from the 2015 FYR

OU #	Protectiveness Determination	Protectiveness Statement
1	Protective	The remedy for the first operable unit (OU1) is protective of human health and the environment.
2	Protective	The remedy for the second operable unit (OU2) is protective of human health and the environment.
Sitewide	Protective	The remedy implemented at the Circuitron Corporation Site is protective of human health and the environment.

There were no issues or recommendations in the last FYR.

### IV. FIVE-YEAR REVIEW PROCESS

#### Community Notification, Involvement & Site Interviews

On October 1, 2019, EPA Region 2 posted a notice on its website indicating that it would be reviewing site cleanups and remedies at Superfund sites in New York, New Jersey, Puerto Rico and the U.S. Virgin Islands, including the Circuitron Corporation Superfund Site. The announcement can be found at the following web address: <https://www.epa.gov/aboutepa/fiscal-year-2020-five-year-reviews>

In addition to this notification, a notice of the commencement of the FYR was sent to local public officials; the notice was posted on the Town of Babylon website (<https://www.townofbabylon.com/211/Public-Notices>) on December 3, 2019. The notice indicated that EPA would be conducting a FYR of the remedy for the Site to ensure that the implemented remedy remains protective of human health and the environment and is functioning as designed. The results of the review and the report will be made available at the Site information repository located at the Farmingdale Public Library, 116 Merritts Road, Farmingdale, New York. The FYR will also be uploaded to <http://www.epa.gov/region02/superfund/npl/circuitron/>.

#### Data Review

##### Groundwater

To determine the progress of groundwater restoration and compliance with the groundwater quality criteria, 19 groundwater monitoring wells are used to monitor the OU2 remedy. Of the 19 monitoring wells, 12 wells are shallow and located in the site-related groundwater plume. These are screened in the shallow portion of the Upper Glacial aquifer, approximately 30 to 40 feet below ground surface (bgs). The other seven wells are deep monitoring wells screened below the groundwater plume in the deeper portion of the Upper Glacial aquifer or the shallow portion of the Magothy aquifer, approximately 90 to 100 feet bgs. In 2003, well sampling was reduced to an annual frequency for VOCs only. Currently, NYSDEC samples six monitoring wells semi-annually and the remaining monitoring wells annually for VOCs.

Based on the groundwater sampling results, it can be concluded that the concentrations of VOCs have decreased substantially from the shallow wells. The OU2 ROD required treating only the upper 40 feet of the saturated Upper Glacial aquifer where Site-related contamination was detected. **Table 3** summarizes the on-site-property (monitoring wells) groundwater sample results. **Table 4** summarizes the Off-Site-property (monitoring wells) groundwater sample results. Also, refer to **Figures 6, 7, and 8** for locations of on-site and off-site monitoring wells, which also include concentration table insets summarizing the total VOC concentrations detected in monitoring wells. In June 2000, prior to the start of the groundwater pump and treat facility, the total VOC concentration detected in monitoring well MW-4S was 1,155 ppb. TCA and PCE concentrations in monitoring well MW-4S were detected at 1,000 ppb and 13 ppb, respectively. In NYSDEC's most recent groundwater sampling (conducted in December 2018), VOCs, which were historically detected in monitoring well MW-4S, showed non-detect for VOCs (see **Table 3**). The decrease in VOC concentrations detected in the monitoring wells over the years can be attributed to the removal of contaminated soils from the Site and to the ongoing groundwater and soil remediation.

NYSDEC conducts groundwater sampling with the PSTS system shutdown in order to evaluate the remediation progress and to determine the extent of the remaining groundwater contamination plume under ambient conditions. The VOC concentration detected in off-Site monitoring well MW-13 (38µg/L), the nearest downgradient well to monitoring well MW-4S, indicates that a contaminated on-site groundwater plume still exists. Recent VOC concentrations detected in monitoring well MW-4S are below groundwater standards (recent data from December 2018 from MW-4S was non-detect). However, data from MW-4D from December 2018 reflected a concentration for TCA of 150 µg/L. As VOC concentrations (including for TCA) are typically non-detect or extremely low in this monitoring well, NYSDEC and D&B conjecture that the sample diffuser bags for MW-4S and MW-4D were improperly labelled, and, thereby, inadvertently mixed-up. These two wells are immediately adjacent to each other. Furthermore, this would be supported and consistent with historical data for these two monitoring wells. This situation was addressed during EPA's December 18, 2019 Site visit, and NYSDEC is currently investigating this situation to verify the mix-up of these two samples. (see **Table 3**).

In 2015, NYSDEC collected five soils samples from one small area in the southwest corner of the Site to determine the extent of the remaining source, which, historically, has had elevated levels of VOCs (in particular, TCA and PCE) and has been the area of focus for treatment by the GCW/IVS/SVE system and the PSTS system. Four of the five samples showed values below soil cleanup objectives (SCOs) allowing for unrestricted use. The remaining sample showed an elevated level of TCA at 140,000 ug/kg (the unrestricted use SCO for TCA is 680 µg/kg). PCE was non-detect. This sample was collected from a boring from 26 to 28 feet bgs, which corresponds with the water table, which is generally at 25 to 28 bgs.

The 2016, NYSDEC collected two additional soils samples from below the water table in the southwest corner of the Site property. This data collected by NYSDEC indicates levels below the unrestricted use SCO for VOCs (including for TCA and PCE) and are well below the risk-based number (i.e., suitable for residential and commercial use).

This location is being treated by the PSTS system as part of the OU2 Groundwater Remedy, as contaminants are being captured and treated by the PSTS system. The capture of the vapors generated

from the sparge wells within the groundwater are collected by the SVE system, and continued operations will continue to target and remove contaminants in the groundwater.

In addition to monitoring the VOC concentrations at the monitoring wells, the water table elevations are measured with 26 piezometers to determine the radius of influence of the GCW/IVS system; these monitoring results show that the GCW/IVS/SVE system contained the groundwater plume to within an approximately 15-foot radius of the system, which meets the design criteria of 10 -to- 15 foot radius. Groundwater modeling of the GCW/IVS/SVE system also indicates that the groundwater plume emanating from the remaining source area is being captured.

Based on the presence of TCA in groundwater, groundwater samples were collected and analyzed for 1,4-dioxane during the previous FYR period. Five monitoring wells located within the groundwater contamination plume were sampled; 1,4-Dioxane was not detected in any of the samples, and it was determined that 1,4-dioxane is not a Site-related contaminant.

Two vapor phase samples and thirty-nine groundwater samples were collected during the reporting period from August 2018 to January 2019. All thirty-nine groundwater samples collected throughout this reporting period were analyzed for VOCs. In September 2018, as part of the semi-annual groundwater monitoring event, five on-site groundwater monitoring wells (GCW-SPY-S, GW-SE07S, GW-SE15S, GW-SE30S, and MW-4S), near the PSTS system, and one off-Site groundwater monitoring well (MW-13), downgradient of the PSTS system, were sampled. The 1,1,1-TCA was detected above standards, quality, and criteria (SCG) values (5µg/L) in three of the five on-site groundwater monitoring wells. 1,1,1-TCA was detected in shallow wells GW-SPY-S, GW-SE07S, and MW-48 at concentrations of 56 µg/L, 31µg/L, and 100µg/L, respectively. 1,1,1-TCA was detected in the off-Site groundwater monitoring well (MW-13) at a concentration of 24µg/L. In addition, trichloroethylene (TCE) was detected at MW-13 at a concentration of 5.1µg/L, slightly above its SCG value of 5µg/L.

In December 2018, 17 on-site groundwater monitoring wells were sampled. Six of the monitoring wells (GW-N15S, GW-N15M, GW-N15D, GW-N45S, GW-N45M, and GW-N45D) are located upgradient of the PSTS system, eight monitoring wells (MW-4S, MW-4D, GCW-SPY-S, GCW-SPY-D, GW-SW45S, GW-SW45M, GW-SE07S, and GW-SE15S) are located near the PSTS system, and three monitoring wells (GW-SE30S, GW-SE30M, and GW-SE-30D) are downgradient of the PSTS system. These wells represent shallow, intermediate, and deep zones. Two off-Site groundwater monitoring wells, MW-13 and MW-19D, were sampled in December 2018. 1,1,1-TCA was detected in one of these off-Site wells (MW-13) at a concentration of 38 µg/L.

VOCs were detected in excess of SCG values in nine of the 17 wells sampled. 1,1,1-TCA was detected in two shallow monitoring wells (GW-SE07S and GCW-SPY-S) at concentrations of 19 µg/L and 28 µg/L, respectively. 1,1,1-TCA was detected in one deep monitoring well (MW-4D) at a concentration of 150 µg/L; however, as referenced earlier in this groundwater data review section, NYSDEC and D&B conjecture that the sample diffuser bags collected during groundwater monitoring activities in December 2019 for MW-4S and MW-4D were improperly labelled, and, thereby, inadvertently mixed-up. This, again, would be supported and consistent with historical data for these two monitoring wells. TCE was detected in excess of the SCG in N15D, GW-SE30M, GW-SE30D, GW-N45M, and GW-N45D at concentrations of 16 µg/L, 14 µg/L, 18 µg/L, 14 µg/L, and 14 µg/L, respectively. Cis-1,2-dichloroethene was detected in excess of the SCG (5 µg/L) in monitoring wells (GCW-SPY-D, and GW-N15D) at concentrations of 5.9 µg/L and 5.3µg/L, respectively.

## Source Control Monitoring

The SVE extraction airflow rate of the GCW/IVS/SVE system is approximately 300 standard cubic feet per minute. SVE system performance monitoring includes soil gas process sampling around the carbon units, groundwater sampling, subsurface vacuum reading at the soil vapor monitoring probes, and nitrogen injection and extraction flow rates and pressure/vacuum readings at the trailer. The 45-foot radius of influence covers the remaining contaminated source area in the vadose zone underneath both storm drains SD2 and SD3. Soil gas sampling indicates that VOCs are being removed by the system.

As discussed above, the soil sampling at SD3, conducted by NYSDEC in June 2015, showed a significant reduction in VOC contamination levels with 140 ppm for TCA and 91 ppm for PCE in one sample located in the saturated zone (or zone of the fluctuating water table). Samples located above the water table all met soil cleanup levels. Historically, the maximum soil concentration of TCA was 21,900 ppm. The depth of VOC contamination in the soil has been reduced to 41 feet bgs from 90 feet. The soil sampling under SD2, showed soil concentrations for TCA and PCE were reduced to below the OU1 ROD soil cleanup level of 1 ppm for TCA and 1.5 ppm for PCE. Soil sampling will continue to be conducted to document the anticipated continued reduction of concentrations at and below the water table.

## Vapor Intrusion

The most recent groundwater data was evaluated using the same criteria as the previous FYR and it was concluded that the vapor intrusion pathway remains incomplete for the site. All concentrations of VOCs in the shallow groundwater are either below screening criteria or less than 50 times the screening level. In addition, there are no buildings located on-site.

## Site Inspection

The inspection of the Site was conducted on 12/18/2019. In attendance were Mark Dannenberg, Charles Nace, and Liana Agrios of the EPA, as well as Jenelle Gaylord (the NYSDEC Project Manager), and a representative of NYSDEC's contractor (D&B). The purpose of the inspection was to assess the protectiveness of the remedy. D&B was performing routine groundwater monitoring at the time of the Site inspection. The SVE and AS systems were shutdown one week prior, and during the Site inspection, which follows protocol in the Site Management Plan required during the annual groundwater monitoring activities. All equipment was in working order and good repair, and there was no evidence of vandalism. It was observed that the casing for MW-3S (which is an off-site monitoring well, sidegradient to groundwater flow direction) is dislodged. NYSDEC will determine whether this well casing can be fixed or whether the well should be abandoned.

## **V. TECHNICAL ASSESSMENT**

**QUESTION A:** Is the remedy functioning as intended by the decision documents?

Based on the information reviewed, the remedy is functioning as intended by the decision documents and the potential exposure pathways for soil and groundwater have been interrupted or eliminated. Therefore, there are no completed pathways for human and ecological receptors. The primary objectives of the RODs are to remove the continuing sources of contamination into the groundwater, prevent

potential future ingestion of Site-related contaminated groundwater, restore the quality of the groundwater and mitigate the off-Site migration of the Site-related contaminated groundwater. EPA's review of Site documents and the results of the past Site inspections indicate that the groundwater treatment plant was functioning as intended by the OU2 ROD. The treatment system has been modified by NYSDEC to focus on the residual contamination still remaining in the southwestern corner of the Site property. Additionally, by removing contaminated sediment and soil and the on-site building, major sources of contamination into the groundwater were eliminated. Based on soil sampling, the only remaining source of groundwater contamination is located in the southwest corner of the Site. The PSTS system is expected to remove this remaining groundwater contamination source and to treat the impacted groundwater within a reasonable timeframe. Access restrictions to the Site are adequate and maintained through fencing around the Site, which is kept locked. No ICs were included in the remedies, and none are anticipated over the next FYR period. The local ICs are already in place, including the statutory restrictions on the future use of groundwater, the existence of the prospective purchaser agreement (PPA), and the commercial/light industrial zoning.

**QUESTION B:** Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives (RAOs) used at the time of the remedy selection still valid?

### Human Health

There have been no physical changes to the Site that would adversely affect the protectiveness of the remedy. Land use assumptions, exposure assumptions and pathways, and clean up levels considered in the decision documents followed the Risk Assessment Guidance for Superfund used by the Agency at the time and remain valid. Although specific parameters may have changed since the time the risk assessment was completed, the process that was used remains valid.

As summarized in the decision documents, a baseline Human Health Risk Assessment (HHRA) for the Site found that potable uses of contaminated shallow groundwater beneath the Site were associated with elevated risk to human health. Further, although the HHRA found that direct exposure with Site soils and sediments did not represent a significant risk to human health, if not treated, the contamination present would serve as an ongoing source of contamination to the underlying groundwater beneath the Site.

The selected remedy to address groundwater, as documented in the 1994 OU2 ROD, consisted of pumping and treating the contaminant plume present in the upper 40 feet of the saturated Upper Glacial aquifer followed by re-injection of the treated water back into the aquifer. Even though the groundwater treatment plant was shut down in August 2007 when the influent VOC concentrations dropped below 10 ppb, the continued use of the GCW/IVS/SVE system is expected to remove the remaining residual source of contamination in soils and groundwater.

Excavation and off-Site disposal of contaminated soils and sediments, the demolition and removal of the former on-site building, along with continual treatment of the residual soil and groundwater contamination in the southwest corner of the Site, have greatly reduced the major sources of contamination impacting the groundwater. Perimeter fencing surrounding the Site further serves to preclude direct exposure to any residual contamination present in on-site soils. Exposure to groundwater beneath the Site continues to remain an incomplete exposure pathway, as all nearby receptors are connected to the public water supply.

The RAOs for the Site, as summarized in the “Response Action” section, were evaluated as part of this FYR and were found to remain valid and protective of human health.

The potential for vapor intrusion is generally evaluated when Site soils and/or groundwater are known or suspected to contain VOCs. The previous FYRs evaluated the vapor intrusion pathway and concluded that it was incomplete. To ensure this pathway remains incomplete, a comparison of the maximum detections of VOCs found in on-site wells to their respective risk-based groundwater vapor intrusion screening levels (VISL) was conducted using the most recent 2014-2018 groundwater data. Results of the analysis were consistent with prior years and confirm that the VOC detections in shallow groundwater beneath the Site continue to fall below or within an acceptable risk range; hence, the vapor intrusion pathway remains incomplete. Although additional vapor intrusion investigations are not necessary at this time, given the presence of residual VOC-contamination at and beneath the Site, this pathway will continue to be re-evaluated during the next FYR.

### Ecological

The potential exposure routes of site contamination to terrestrial wildlife were considered during the Site evaluation. The evaluation indicated that since 95% of the Circuitron Corporation site is paved or open field (where the building used to be) and the site is situated in a densely populated industrial/commercial area, there is little, to any, potential for exposure to contaminated soils or groundwater for wildlife, or for wildlife to be present within the general vicinity of the Site. As a result, EPA concluded that conducting a detailed ecological risk assessment was not warranted. Given that the contaminants in the groundwater do not discharge to any surface water body, and the residual contamination in the subsurface soils are covered by pavement and buildings, there are no current impacts to ecological receptors. Thus, the conclusions that there is little or no potential for exposure to wildlife is still valid.

**QUESTION C:** Has any other information come to light that could call into question the protectiveness of the remedy?

No. There is no other information that calls into question the protectiveness of the remedies.

## **VI. ISSUES/RECOMMENDATIONS**

<b>Issues/Recommendations</b>
<b>OU(s) without Issues/Recommendations Identified in the Five-Year Review:</b>
<b>OU1 and OU2</b> <b>Recommendations:</b> None

## **OTHER FINDINGS**

Since contaminated soil located below the water table in the southwest corner of the property is the only remaining source area at the Site, ensure that the remediation of the the source area will continue through ongoing operation, maintenance and monitoring activities, until remedial objectives for groundwater are achieved.



## VII. PROTECTIVENESS STATEMENT

Protectiveness Statement(s)		
<i>Operable Unit:</i> OU1	<i>Protectiveness Determination:</i> Protective	<i>Planned Addendum Completion Date:</i> <a href="#">Click here to enter a date</a>
<i>Protectiveness Statement:</i> The remedy for the first operable unit (OU1) is protective of human health and the environment.		

Protectiveness Statement(s)		
<i>Operable Unit:</i> OU2	<i>Protectiveness Determination:</i> Protective	<i>Planned Addendum Completion Date:</i> <a href="#">Click here to enter a date</a>
<i>Protectiveness Statement:</i> The remedy for the second operable unit (OU2) is protective of human health and the environment.		

Sitewide Protectiveness Statement	
<i>Protectiveness Determination:</i> Protective	<i>Planned Addendum Completion Date:</i> <a href="#">Click here to enter a date</a>
<i>Protectiveness Statement:</i> The remedies for the Circuitron Site are protective of human health and the environment.	

## VIII. NEXT REVIEW

The next FYR report for the Circuitron Corporation Superfund Site is required five years from the completion date of this review.

## **APPENDIX – TABLES AND FIGURES**

Sample ID	SVE Effluent 1/26/2017	SVE Effluent 4/11/2017	SVE Effluent 6/1/2017	SVE Effluent 9/14/2017	SVE Effluent 11/20/2017	SVE Effluent 3/6/2018	SVE Effluent 6/7/2018	SVE Effluent 9/11/2018	SVE Effluent 12/3/2018
Sampling Date Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
<b>VOLATILE COMPOUNDS</b>									
1,1,1-Trichloroethane	310	180	220	730	460	120	140	820	180
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.67	0.78 BJ	0.64 J	0.66 J	U	0.52 J	U	0.74 J	U
1,1,2-Trichloroethane	0.28	U	U	U	U	U	U	U	U
1,1-Dichloroethane	10	16	12	23	8.4	8.1	12	19	11
1,1-Dichloroethylene	1.2	0.37 J	U	0.88	U	0.22	0.81	1.2	1.2
1,2,4-Trichlorobenzene	U	U	0.53	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	30	U	U	U	U	U	U	U
1,2-Dibromoethane (EDB)	U	U	U	U	U	U	U	U	U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	12	U	U	U	U	U	U	U
1,3-Butadiene	U	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U
2-Butanone (MEK)	0.83	1.5 J	1.9 J	1.6 J	1.2 J	1.3 J	U	0.90 J	U
2-Hexanone (MBK)	U	U	U	U	U	U	U	U	U
4-Ethyltoluene	U	11	U	U	U	U	U	U	U
4-Methyl-2-pentanone (MIBK)	5.6	U	U	U	U	U	U	U	U
Acetone	U	U	11	U	7.2 J	5 J	U	4.6 J	4.2 J
Benzene	U	0.64	U	2.1	U	U	U	0.27 J	U
Benzyl chloride	U	U	U	U	U	U	U	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U
Carbon Disulfide	0.34	1.6 J	U	U	U	U	U	U	U
Carbon Tetrachloride	0.36	0.45 J	0.4 J	U	U	0.36 J	U	0.44 J	U
Chlorobenzene	U	U	U	U	U	U	U	U	U
Chloroethane	U	0.17 J	U	U	U	0.46	U	U	U
Chloroform	0.46	0.36 J	0.67	1.2	U	0.28 J	0.94 J	1.7	J
Chloromethane	0.27	0.84	U	2.0	U	U	U	U	U
cis-1,2-Dichloroethylene	0.44	0.44	0.52	0.65	U	0.38	1.0	0.50	1.6
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U
Cyclohexane	U	2.2	1.4	22	U	U	U	U	U
Dibromochloromethane	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane (Freon 12)	3.1	6.5	4.3	5.0	4.7	5.4	3.7	4.5	3.0
Ethanol	U	U	U	U	U	U	U	U	5.0 J
Ethyl Acetate	U	U	U	U	U	U	U	U	U
Ethylbenzene	U	3.7	U	U	U	U	U	U	U
Heptane	U	2.5	U	U	U	U	U	U	U
Hexachlorobutadiene	U	U	0.70 J	U	U	U	U	U	U
Hexane	U	4.8 J	0.69 J	23	U	U	U	U	U
Isopropanol	U	0.35 J	0.43 J	U	U	0.51 J	U	U	U
m&p-Xylene	U	19	U	1.1	U	U	U	U	U
Methyl tert-Butyl Ether (MTBE)	U	U	U	U	U	U	U	U	U
Methylene Chloride	U	U	U	1.5 J	U	J	U	U	U
Naphthalene	U	U	U	U	U	U	U	U	U
o-Xylene	U	15	U	0.36 J	U	J	U	U	U
Propene	U	0.97 J	U	U	U	U	U	U	U
Styrene	U	U	U	U	U	U	U	U	U
Tetrachloroethylene	19	12	16	34	23	12	1,300 D	38	12
Tetrahydrofuran	U	U	U	U	U	U	U	U	U
Toluene	U	8.2	U	5.8	U	U	U	1.2	1.0
trans-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U
Trichloroethylene	2.8	2.1	4.1	5.6	2.9	1.4	19	7.1	4.1
Trichlorofluoromethane (Freon 11)	1.5	1.4 J	1.5 J	1.5 J	1.1 J	1.6 J	1.7 J	1.9 J	1.9 J
Vinyl Acetate	U	U	U	U	U	U	U	U	U
Vinyl Chloride	U	U	U	U	U	U	U	U	U
<b>Total Volatile Organic Compounds</b>	<b>356.85 ug/m3</b>	<b>334.87 ug/m3</b>	<b>276.78 ug/m3</b>	<b>861.95 ug/m3</b>	<b>508.5 ug/m3</b>	<b>157.53 ug/m3</b>	<b>1479.15 ug/m3</b>	<b>902.05 ug/m3</b>	<b>225 ug/m3</b>
<b>AVERAGE AIR DISCHARGE FLOW RATE (CFM)</b>	<b>275 CFM</b>	<b>265 CFM</b>	<b>255 CFM</b>	<b>280 CFM</b>	<b>265 CFM</b>	<b>260 CFM</b>	<b>260 CFM</b>	<b>240 CFM</b>	<b>230 CFM</b>
<b>TOTAL VOC DISCHARGE RATE (lbs/hr)</b>	<b>3.68E-04 lbs/hr</b>	<b>3.32E-04 lbs/hr</b>	<b>2.64E-04 lbs/hr</b>	<b>9.04E-04 lbs/hr</b>	<b>5.05E-04 lbs/hr</b>	<b>1.53E-04 lbs/hr</b>	<b>1.44E-03 lbs/hr</b>	<b>8.11E-04 lbs/hr</b>	<b>1.94E-04 lbs/hr</b>

**QUALIFIERS:**

U: Compound analyzed for but not detected

**Emission Calculations:**

ug/m<sup>3</sup> \* CFM \* 60min/hr \* 2.204622e-9 lb/ug \* m<sup>3</sup>/35.3145 ft<sup>3</sup> = lb/hr

J: Compound found at a concentration below the CRDL, lb/hr \* 8760 hr/yr = lb/yr

D: Reported from a secondary dilution

<b>Table 2a: Soil Cleanup Levels (all concentrations in ppb) from the OU1 ROD</b>			
<b>Contaminants of Concern</b>	<b>Soil - Protection of Groundwater</b>	<b>Human Health Risk</b>	<b>OU1 ROD Soil Cleanup Levels</b>
Tetrachloroethene	1,300	100,000	1,500
Trichloroethane	680	-	1,000

ppb – parts per billion

<b>Table 2b: Groundwater Remediation Goals (all concentrations in ppb) from the OU2 ROD</b>		
<b>Contaminants of Concern</b>	<b>National Primary Drinking Water Standards (Federal MCLs)</b>	<b>OU2 ROD Groundwater Remediation Goals</b>
Tetrachloroethene	5	5
Trichloroethane	5	5

ppb – parts per billion

Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification	MW4-5 03/17/10	MW4-5 08/02/10	MW4-5 09/23/11	MW4-5 05/20/12	MW4-5 11/19/12	MW4-5 08/17/13	MW4-5 10/29/13	MW4-5 08/12/14	MW4-5 12/30/14	MW4-5 08/10/15	MW4-5 12/30/15	MW4-5 05/16/16	MW4-5 12/28/16	MW4-5 06/26/17	MW4-5 09/28/17	MW4-5 12/19/17	MW4-5 03/28/18	MW4-5 06/25/18	MW4-5 09/27/18	MW4-5 12/19/18	NYSDEC Class or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLEATILE COMPOUNDS</b>																					
1,1,1-Trichloroethane	113.5	88.2	120	12	23	8.6	8.5		78	6.3	14 J	10	67	28	NS	NS	42	110	100	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	1 ST
1,1,4-Dichloroethane	U	U	U	U	U	0.53 J	0.55	U	4.3	U	0.39 J	U	U	U	NS	NS	U	U	U	U	5 ST
1,1-Dichloroethane	21.05	10.85	U	U	2.7	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
1,2-Dibromo-2-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	0.77 J	U	0.46 J	0.19	U	U	U	U	U	U	U	NS	NS	U	U	U	U	3 ST
2-Butanone	U	U	U	5.2	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	50 GV
Acetone	U	U	U	17	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	-
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	1 ST
Bromochloromethane	U	NS	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	50 GV
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
Chlorobenzene	U	U	U	11	0.72 J	4.4	2.3	U	7.2	0.59 J	0.91 J	U	U	U	NS	NS	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
cis-1,2-Dichloroethane	U	U	1.6	U	U	U	0.24	U	U	0.56	U	U	U	U	NS	NS	U	U	U	0.20 J	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
Tetrachloroethene	U	1.61	1.9	U	0.72 J	0.27 J	0.53	U	2.1	U	U	1.8	0.43 J	0.46 J	NS	NS	0.40 J	0.92 J	0.85 J	U	5 ST
Toluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	0.23	U	U	U	0.29 J	U	U	U	NS	NS	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	0.4 ST*
Trichloroethene	U	U	U	U	U	0.14 J	0.58	U	U	U	U	U	U	U	NS	NS	U	U	U	U	0.42 J
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	2.5 ST
Xylene (Total)	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	NS	U	U	U	U	5 ST
Total VOCs	134.55	100.86	123.5	45.97	27.14	14.4	13.12	0	84.4	13.5	15.85	12.71	67.43	31.96	NS	NS	42.4	110.92	100.85	0.62	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 —: Not established  
 Indicates value exceeds standard or guidance value.



Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	NYSDEC Class GA
Date of Collection	11/30/07	03/17/10	08/02/10	09/21/11	05/07/12	11/19/12	06/17/13	10/28/13	06/12/14	12/30/14	09/10/15	12/30/15	06/16/16	12/28/16	09/28/17	12/19/17	09/25/18	12/19/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
1,1,1-Trichloroethane	2.7 J	U	U	0.64 J	U	U	0.44 J	U	U	U	U	0.23 J	U	0.40 J	U	0.19 J	U	150	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	1.41	U	U	U	U	U	0.53 J	0.4	U	U	U	0.22 J	U	0.27 J	U	U	0.16 J	0.22 J	5 ST
1,1-Dichloroethene	3.39 J	U	U	0.68 J	0.51 J	0.92 J	0.41 J	0.45	U	U	U	0.27 J	U	0.46 J	U	0.29 J	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Acetone	U	U	U	U	6.1	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	NS	U	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	0.31 J	1	U	3.8	1.2	0.89 J	U	0.28 J	U	U	0.40 J	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	2.56 J	U	U	U	U	U	0.42 J	0.51	U	U	U	0.32 J	U	0.39 J	U	0.42 J	U	1.5	5 ST
Toluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 ST*
Trichloroethene	3.21 J	U	U	0.99 J	0.91 J	0.73 J	0.71 J	0.57	U	U	U	0.54 J	U	0.61 J	0.43 J	0.71 J	0.77 J	0.40 J	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Total VOCs	13.27	0	0	2.31	7.52	1.85	2.82	2.93	0	3.8	1.2	2.47	0.34	2.41	0.43	1.32	1.22	152.52	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 -: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 -: Not established  
 [Green background]: Indicates value exceeds standard or guidance value.



**Table 3**  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification Date of Collection Units	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	GW/SPY-S	NYSDEC Class	
	11/30/07 (ug/l)	03/17/10 (ug/l)	08/02/10 (ug/l)	09/21/11 (ug/l)	05/03/12 (ug/l)	11/19/12 (ug/l)	06/17/13 (ug/l)	10/29/13 (ug/l)	06/12/14 (ug/l)	12/30/14 (ug/l)	06/09/15 (ug/l)	12/30/15 (ug/l)	06/17/16 (ug/l)	12/23/16 (ug/l)	06/27/17 (ug/l)	09/28/17 (ug/l)	12/19/17 (ug/l)	03/26/18 (ug/l)	06/29/18 (ug/l)	09/27/18 (ug/l)	12/19/18 (ug/l)	Standard or Guidance Value	
<b>VOLATILE COMPOUNDS</b>																							
1,1,1-Trichloroethane	135			1.4	1.9	8.9	26	10	2.4	27	7.8	NS	NS	NS	NS	NS	NS	NS	41	56	28	5 ST	
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	1 ST	
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	1.7	NS	NS	NS	NS	NS	NS	NS	U	U	U	1.7	
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	0.95 J	
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
1,2-Dibromo-3-Chloropropane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	0.04 ST	
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	-	
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	3 ST	
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	0.6 ST	
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	1 ST	
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	3 ST	
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	3 ST	
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	50 GV	
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	50 GV	
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	-	
Acetone	10.4 J	375.5	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	50 GV	
Benzene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	1 ST	
Bromochloromethane	NS	U	NS	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	50 GV	
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	50 GV	
Bromofrom	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	50 GV	
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	60 GV	
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	1.3	
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
Chloroform	U	U	U	U	U	U	U	0.41 J	0.31	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	7 ST	
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
cis-1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	0.4 ST	
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	50 GV	
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	-	
Methyl tert-butyl ether	U	U	U	U	0.89 J	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	10 GV	
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	-	
Styrene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
Tetrachloroethane	3.63 J	U	U	U	U	U	0.41 J	0.18	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
Toluene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
trans-1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	0.91	
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	0.4 ST	
Trichloroethane	U	U	U	U	U	U	U	0.45 J	0.37	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	3.6	
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	1.6	
Xylene (Total)	NS	NS	NS	NS	U	U	U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	U	U	U	5 ST	
<b>Total VOCs</b>	149.03	375.5	0	2.17	2.79	8.9	27.54	10.86	2.4	28.7	9.8	NS	NS	NS	NS	NS	NS	NS	41	56	41.06		

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
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Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification	GCWSPY-D Date of Collection	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	GCWSPY-D (ug/l)	NYSDEC class GA
<b>VOLATILE COMPOUNDS</b>																		
1,1,1-Trichloroethane	U	U	0.56 J	U	U	U	U	U	U	U	0.23 J	U	0.29 J	U	0.89 J	4.2	0.18 J	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	0.52 J	U	0.36 J	U	1.1	U	2.6	5 ST
1,1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	0.34 J	U	0.24 J	U	0.48 J	U	1.7	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.28 J	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.22 J	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	0.15 J	U	U	3.7	U	U	1.5	91	2.0	U	3.4	4.5	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	1.7	0.24 J	0.33	U	U	U	U	U	U	U	U	0.31 J	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethane	U	U	3.8	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	2.1	U	0.54 J	U	1.3	U	5.9	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Dibromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Dibromodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	12	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	0.18 J	0.22	U	U	U	U	U	0.99 J	U	U	U	U	5 ST
Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	0.19 J	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 ST*
Trichloroethane	U	U	0.57 J	0.55 J	0.86	0.49 J	0.84	U	U	3.0	3.4	U	2.5	1.9	0.52 J	2.7	0.61 J	6.8
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	0.53 J	U	U	0.80 J	U	0.63 J	2.9	5 ST
Xylene (Total)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	0	0	4.93	0.55	2.56	1.35	1.39	0	3.7	3.0	9.82	94.49	6.28	0.52	11.09	16.81	26.56	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \* Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 - : Not established  
 Indicates value exceeds standard or guidance value.



**Table 3**  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification Date of Collection Units	GW-SE07S 03/17/10 (ug/l)	GW-SE07S 08/02/10 (ug/l)	GW-SE07S 09/21/11 (ug/l)	GW-SE07S 05/03/12 (ug/l)	GW-SE07S 11/19/12 (ug/l)	GW-SE07S 06/17/13 (ug/l)	GW-SE07S 10/29/13 (ug/l)	GW-SE07S 08/12/14 (ug/l)	GW-SE07S 12/30/14 (ug/l)	GW-SE07S 06/09/15 (ug/l)	GW-SE07S 12/30/15 (ug/l)	GW-SE07S 06/16/16 (ug/l)	GW-SE07S 12/28/16 (ug/l)	GW-SE07S 03/22/17 (ug/l)	GW-SE07S 06/26/17 (ug/l)	GW-SE07S 09/28/17 (ug/l)	GW-SE07S 12/19/17 (ug/l)	GW-SE07S 03/26/18 (ug/l)	GW-SE07S 06/25/18 (ug/l)	GW-SE07S 09/27/18 (ug/l)	GW-SE07S 12/20/18 (ug/l)	NYSDEC Class GA Standard or Guidance Value
<b>VOLATILE COMPOUNDS</b>																						
1,1,1-Trichloroethane	39.9	31.3	34	34	72	33	27	24	54	14	24 J	35	NS	48	37	27	50	17	19	31	19	5 ST
1,1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	0.67 J	0.81 J	NS	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	7.23	4.06 J	U	U	U	0.33 J	0.27	U	U	U	0.24 J	U	NS	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	-
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	NS	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	80 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	3.2	1.4	1.9	0.46	U	U	U	0.40 J	U	NS	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethane	U	U	1.6	U	U	U	0.27	U	U	U	1.0	1.0	NS	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	2.00 J	1.54	1.4	1.5	3.0	1.8	0.63	1.1	1.6	1.0	1.4	1.4	NS	1.0	1.0 J	0.57 J	1.9	1.3	1.2 J	0.81 J	1.2	5 ST
Toluene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	0.45 J	U	NS	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	0.4 ST*
Trichloroethene	U	U	U	U	0.28 J	0.5	U	U	U	U	0.56 J	0.44 J	NS	U	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	0.59 J	U	NS	U	U	U	U	U	U	U	U	2 ST
Xylene [Total]	NS	NS	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	<b>49.13</b>	<b>36.9</b>	<b>37.0</b>	<b>36.7</b>	<b>76.4</b>	<b>37.31</b>	<b>29.13</b>	<b>25.1</b>	<b>55.6</b>	<b>15.0</b>	<b>29.31</b>	<b>38.65</b>	<b>NS</b>	<b>49.0</b>	<b>38.0</b>	<b>27.57</b>	<b>51.9</b>	<b>18.3</b>	<b>20.2</b>	<b>31.8</b>	<b>20.2</b>	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \* Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicates value exceeds standard or guidance value.

Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification	QW/AN155	QW/AN156	QW/AN157	QW/AN158	QW/AN159	QW/AN160	QW/AN161	QW/AN162	QW/AN163	QW/AN164	QW/AN165	QW/AN166	QW/AN167	QW/AN168	QW/AN169	QW/AN170	NYSDEC Class or Guidance Value	
Date of Collection	11/30/07	03/17/10	09/21/11	05/03/12	11/19/12	06/17/13	10/29/13	06/12/14	12/30/14	06/09/15	12/30/15	06/16/16	12/28/16	06/26/17	12/19/17	06/25/18	12/19/18	
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>																		
1,1,1-Trichloroethane	1.44 J	U	1.4	1.1	1.3	0.76 J	0.73	1.5	1.2	U	0.50 J	U	NS	1.1	1.7	0.41 J	0.78 J	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	0.51 J	U	NS	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	U	0.25 J	U	NS	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	0.56 J	U	0.18 J	0.13	U	U	U	U	U	NS	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	-
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	1 ST
Bromochloromethane	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Carbon disulfide	U	U	U	0.54 J	U	U	U	U	U	U	U	U	NS	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Chlorobenzene	U	5.31 J	0.79 J	4.6	1.9	2.7	1.1	U	U	1.1	0.25 J	5	U	NS	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	4.0	U	U	U	0.64	U	U	U	1.5	0.89 J	NS	0.28 J	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Tetrachloroethene	4.12 J	2.65 J	2.0	1.7	2.1	1.4	1.8	1.4	1.2	1.5	1.2	1.2	NS	1.7 J	2.0	0.90 J	1.8	5 ST
Toluene	U	U	U	U	U	0.21 J	U	U	U	U	U	U	NS	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	0.27	U	U	U	0.52 J	U	NS	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	0.4 ST*
Trichloroethene	U	U	U	U	0.52 J	U	0.72	U	U	U	0.93 J	U	NS	0.34 J	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	0.74 J	U	NS	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	2 ST
Xylene (Total)	NS	NS	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
<b>Total VOCs</b>	<b>5.56</b>	<b>7.96</b>	<b>8.19</b>	<b>8.50</b>	<b>5.82</b>	<b>5.25</b>	<b>5.39</b>	<b>2.9</b>	<b>2.4</b>	<b>2.6</b>	<b>6.5</b>	<b>7.09</b>	<b>NS</b>	<b>3.42</b>	<b>3.7</b>	<b>1.31</b>	<b>2.58</b>	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 - : Not established  
 Indicates value exceeds standard or guidance value.

Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification	GWAN15M 11/30/07	GWAN15M 03/17/10	GWAN15M 09/21/11	GWAN15M 05/03/12	GWAN15M 11/19/12	GWAN15M 09/17/13	GWAN15M 10/29/13	GWAN15M 06/12/14	GWAN15M 12/30/14	GWAN15M 06/09/15	GWAN15M 12/30/15	GWAN15M 06/16/16	GWAN15M 12/28/16	GWAN15M 06/25/17	GWAN15M 12/19/17	GWAN15M 06/25/18	GWAN15M 12/19/18	NYSDEC Class GA Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>																		
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	0,22	U	U	U	0,88 J	U	0,45 J	0,55 J	0,59 J	U	0,62 J	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	U	0,36 J	U	0,35 J	0,21 J	U	U	0,44 J	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	0,31 J	0,12	U	U	U	0,25 J	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	0,61 J	U	U	U	U	U	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	3,4	1,3	0,90 J	6,5	1,4	2,2	2,1	8,5	3,5	61	0,28 J	2,3	1,4	0,42 J	0,67 J	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	2,4	U	U	U	0,89	U	U	U	3,2	2,9	2,4	1,9	0,80 J	U	1,2	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	0,32 J	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	0,38	U	U	U	1,9	U	0,27 J	0,20 J	0,16 J	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,4 ST
Trichloroethane	U	U	U	U	0,71 J	U	1,7	U	U	U	1,0	2,4	1,4	0,73 J	0,59 J	U	3,0	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	2,8 J	U	U	0,71 J	0,26 J	U	U	2 ST
Xylene [Total]	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	0	0	5,8	1,91	1,61	7,13	4,71	2,2	2,1	8,5	13,89	66,3	5,15	6,8	3,8	0,42	5,83	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicates value exceeds standard or guidance value.

Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification	GWA115D	GWA115D	GWA115D	GWA115D	GWA115D	GWA115D	GWA115D	GWA115D	GWA115D	GWA115D	GWA115D	GWA115D	GWA115D	GWA115D	GWA115D	GWA115D	NYSDEC Class	GA
Date of Collection	11/30/07	03/17/10	09/21/11	06/03/12	11/19/12	06/17/13	10/29/13	06/12/14	12/30/14	06/09/15	12/30/15	06/16/16	12/28/16	06/26/17	12/19/17	06/25/18	12/19/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>																		
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-2-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,24 J
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromochloromethane	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromoforn	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	0,7 J	U	U	U	U	U	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	4,3
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	7 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	8,3	2,8	U	U	U	U	U	U	U	U	U	U	U	U	U	5,2
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	0,23 J	0,26	U	U	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	0,18 J	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,60 J
Trichloroethene	U	U	0,56 J	U	1,0 J	0,62 J	0,69	U	U	2,9	1,9	U	1,6	0,23 J	1,2	5,6	16	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1,5 J
Xylene (Total)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	0	0	8,88	3,5	2,6	2,03	1,35	0	0	2,9	1,9	2,9	1,76	0,23	1,4	7,84	32,84	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicated value exceeds standard or guidance value.

Table 3  
New York State Department of Environmental Conservation  
NYSDEC Site No. 152082 - Circuitron Corporation Site  
Pilot Source Area Treatment System  
East Farmingdale, New York  
On-Site Groundwater Sample Results

Table with 27 columns: Sample Identification, Date of Collection, and 25 GW-SE 155 columns (07-18), plus NYSDEC Class and Standard or Guidance Value. Rows include Volatile Compounds like 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1,4-Dichloroethane, 1,1,4-Dichlorobenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dichloropropane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Benzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, cis-1,2-Dichloroethane, cis-1,3-Dichloropropene, Dibromochloromethane, Dichlorodifluoromethane, Ethylbenzene, Isopropylbenzene, m,p-Xylene, Methyl tert-butyl ether, Methylene chloride, o-Xylene, Styrene, Tetrachloroethane, Toluene, trans-1,2-Dichloroethane, trans-1,3-Dichloropropene, Trichloroethane, Trichlorofluoromethane, Vinyl chloride, Xylene (Total), and Total VOCs.

QUALIFIERS:  
U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
^: Value pertains to the sum of the isomers  
GV: Guidance Value  
ST: Standard  
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Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification	GW-SE305 11/30/07	GW-SE305 03/17/10	GW-SE305 09/21/11	GW-SE305 05/03/12	GW-SE305 11/19/12	GW-SE305 06/17/13	GW-SE305 10/29/13	GW-SE305 08/12/14	GW-SE305 12/30/14	GW-SE305 08/09/15	GW-SE305 12/30/15	GW-SE305 06/17/16	GW-SE305 12/28/16	GW-SE305 03/22/17	GW-SE305 06/27/17	GW-SE305 09/28/17	GW-SE305 12/19/17	GW-SE305 03/26/18	GW-SE305 06/25/18	GW-SE305 09/27/18	GW-SE305 12/20/18	NYSDEC Class GA Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>																						
1,1,1-Trichloroethane	U	U	U	U	U	U	U	2	18	U	1.4 J	U	NS	U	U	U	0.83 J	0.51 J	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	2.5	U	0.42 J	U	NS	U	U	U	U	U	U	U	U	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	-
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	0.17 J	U	0.14	U	U	0.18 J	11	U	NS	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethane	U	U	8.3	0.98 J	U	U	0.18	U	U	U	0.46 J	U	NS	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	0.24	U	U	U	U	U	NS	U	0.18 J	U	U	0.26 J	U	U	U	5 ST
trans-1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	0.19 J	U	NS	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	0.4 ST*
Trichloroethane	U	U	0.56 J	U	0.59 J	0.98 J	1.1	1.5	1.1	U	1.2	U	NS	U	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	0.35 J	U	NS	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	NS	NS	NS	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	0	0	8.86	0.98	0.59	1.15	1.66	3.5	21.6	0	4.22	11	NS	0	0.18	0	0.83	0.51	0.26	0	0	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 U: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicates value exceeds standard or guidance value.



Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification	GW-SE30M 11/30/07	GW-SE30M 03/17/10	GW-SE30M 09/21/11	GW-SE30M 05/03/12	GW-SE30M 11/19/12	GW-SE30M 08/17/13	GW-SE30M 10/29/13	GW-SE30M 09/12/14	GW-SE30M 12/30/14	GW-SE30M 06/09/15	GW-SE30M 12/30/15	GW-SE30M 06/17/16	GW-SE30M 12/29/16	GW-SE30M 05/29/17	GW-SE30M 12/19/17	GW-SE30M 05/25/18	GW-SE30M 12/20/18	NYSDEC Class Standard or Guidance Value
Date of Collection	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>																		
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	0,42 J	U	U	U	U	5 ST
1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	0,27 J	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	0,36 J	U	U	0,41 J	U	0,17 J	U	1,8	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromoforn	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	2,4 J	U	3,7	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	2,0	U	1,6	U	0,76	U	U	U	U	5,6	U	U	U	U	0,38 J	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	0,23 J	U	0,26 J	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	8,4	0,83 J	U	U	U	U	U	U	0,21 J	U	U	U	U	U	0,73 J	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	0,2	U	U	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	0,23	U	U	U	U	U	U	0,37 J	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	U	U	U	0,58 J	0,42 J	1,8	U	1,2	1,6	7,7	2,6	5	0,42 J	1,3	U	14	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	0	0	10,4	0,83	2,18	0,42	2,99	0	1,2	1,6	8,61	8,2	6,33	3,19	1,73	3,7	18,21	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 [Green background] Indicates value exceeds standard or guidance value.

Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification	GW/SE30D 11/30/07	GW/SE30D 03/17/10	GW/SE30D 09/21/11	GW/SE30D 05/03/12	GW/SE30D 11/19/12	GW/SE30D 08/17/13	GW/SE30D 10/29/13	GW/SE30D 07/03/14	GW/SE30D 12/30/14	GW/SE30D 06/09/15	GW/SE30D 12/30/15	GW/SE30D 06/17/16	GW/SE30D 12/28/16	GW/SE30D 06/27/17	GW/SE30D 12/19/17	GW/SE30D 08/25/18	GW/SE30D 12/20/18	NYSDEC Class GA Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>																		
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	0.27 J	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	0.12	U	U	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	0.42	U	U	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	5.2	U	U	0.47 J	5.6	U	U	U	1.1	0.3	U	U	U	U	0.41 J	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	1.0	1.0 J	U	U	U	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	2.5	10	1.5	0.33 J	0.35	U	U	U	0.35 J	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10 GV
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	0.25 J	U	U	U	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	0.14 J	0.33	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	0.32	U	U	U	0.32 J	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 ST*
Trichloroethene	U	U	U	U	0.64 J	0.59 J	0.62	1.1	U	1.3	2.8	U	0.55 J	0.22 J	0.52 J	1.6	18	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	0	0	7.7	10	3.14	2.78	7.96	1.1	0	1.3	4.84	8.3	0.55	0.22	0.52	32.37	24.41	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
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Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification Date of Collection Units	GW4M55 11/30/07 (ug/l)	GW4M56 03/17/10 (ug/l)	GW4M55 09/21/11 (ug/l)	GW4M56 05/03/12 (ug/l)	GW4M56 11/19/12 (ug/l)	GW4M56 06/17/13 (ug/l)	GW4M56 10/29/13 (ug/l)	GW4M56 06/12/14 (ug/l)	GW4M56 12/30/14 (ug/l)	GW4M56 06/09/15 (ug/l)	GW4M56 12/30/15 (ug/l)	GW4M56 06/16/16 (ug/l)	GW4M56 12/28/16 (ug/l)	GW4M56 06/26/17 (ug/l)	GW4M56 12/19/17 (ug/l)	GW4M56 06/25/18 (ug/l)	GW4M56 12/19/18 (ug/l)	NYSDEC Class GA Standard or Guidance Value	
<b>VOLATILE COMPOUNDS</b>																			
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	50 GV
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	0.18 J	0.16 J	U	U	U	U	U	NS	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	-
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	1 ST
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	50 GV
Bromochloromethane	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	0.51 J	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
Chlorobenzene	2.38 J	3.83 J	U	1.5 U	3.4	2.8	0.4	U	U	U	0.17 J	0.82 J	NS	0.48 J	U	0.26 J	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
cis-1,2-Dichloroethane	U	U	12	U	0.53 J	0.41 J	0.5	1.5	U	U	1.1	0.82 J	NS	0.33 J	U	U	0.17 J	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	0.4 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	0.22 J	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
trans-1,2-Dichloroethane	U	U	U	U	U	U	0.17	U	U	U	0.41 J	U	NS	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	0.4 ST
Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	0.70 J	U	1.0	0.41 J	0.82	1.2	U	U	2.6	1.2	NS	0.28 J	U	U	0.75 J	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	0.83 J	U	NS	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	5 ST
<b>Total VOCs</b>	2.33	3.83	12.70	2.01	4.93	4.02	1.89	2.7	0	0	5.26	2.94	NS	1.09	0	0.26	1.15		

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 -: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicates value exceeds standard or guidance value.



Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification	G1A145M	G1A145M	G1A145M	G1A145M	G1A145M	G1A145M	G1A145M	G1A145M	G1A145M	G1A145M	G1A145M	G1A145M	G1A145M	G1A145M	G1A145M	G1A145M	G1A145M	NYSDEC Class	GA
Date of Collection	11/30/07	03/17/10	05/21/11	05/03/12	11/19/12	06/17/13	10/29/13	06/12/14	12/30/14	09/09/15	12/30/15	06/16/16	12/28/16	06/26/17	12/19/17	06/25/18	12/19/18	Standard or	Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)		
<b>VOLATILE COMPOUNDS</b>																			
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	0.23 J	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	0.18	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	0.74 J	U	U	0.27 J	U	0.53 J	U	2.1	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	0.47 J	U	U	0.40 J	U	0.24 J	U	1.7	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	0.48 J	0.18	U	U	U	U	U	U	U	U	0.29 J	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	0.79 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	1.75 J	U	U	0.60 J	4.8	6.7	2	2.8	U	1.7	0.68 J	U	U	0.30 J	0.78 J	5.2	0.60 J	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	2.5	U	U	U	0.55	U	U	U	2.4	1.6	0.46 J	0.26 J	0.36 J	U	2.2	U	0.4 ST*
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	0.21 J	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	0.25	U	U	U	0.49 J	U	U	U	U	U	U	0.53 J	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 ST*
Trichloroethene	U	U	U	0.52 J	0.69 J	0.16 J	1.1	U	1.7	1.9	6.9	1.7	3.9	0.84 J	1.5	U	14	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	0.46 J	U	U	U	U	U	0.60 J	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	1.75	0	2.5	1.91	5.49	9.55	4.26	2.8	1.7	3.6	12.14	3.3	5.26	1.4	3.41	8.1	21.93		

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL value estimated

NOTES:  
 -: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 -: Not established  
 [Green background] Indicates value exceeds standard or guidance value.

Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification	GWA4MSD Date of Collection	GWA4MSD 03/17/10	GWA4MSD 09/21/11	GWA4MSD 05/03/12	GWA4MSD 11/19/12	GWA4MSD 06/17/13	GWA4MSD 10/29/13	GWA4MSD 06/12/14	GWA4MSD 12/30/14	GWA4MSD 06/09/15	GWA4MSD 12/30/15	GWA4MSD 06/16/16	GWA4MSD 12/28/16	GWA4MSD 06/26/17	GWA4MSD 12/19/17	GWA4MSD 06/25/18	GWA4MSD 12/19/18	NYSDEC Class GA Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>																		
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-Chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	0,12	U	U	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	0,62 J	U	U	U	U	U	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	0,21 J	U	1,1	U	1,3	U	U	U	U	U	U	U	0,20 J
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	1,6	U	0,90 J	U	U	U	U	U	U	U	U	U	U	50 GV
cis-1,2-Dichloroethane	U	U	6,9	3,5	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	0,68	0,15 J	0,21	U	U	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	0,28 J	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	U	0,51 J	U	1,0	0,61 J	0,97	U	U	4,2	1,9	1,7	1,2	0,33 J	0,46 J	8,2	14	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	0	0	7,41	4,12	3,28	2,15	2,4	1,3	0	0	1,9	1,7	1,2	0,33	0,74	11,30	18,94	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 -: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ->: Not established  
 [Green background]: Indicates value exceeds standard or guidance value.

Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification Date of Collection	GWS-SW45S 11/30/07 (ug/l)	GWS-SW45S 03/17/10 (ug/l)	GWS-SW45S 09/21/11 (ug/l)	GWS-SW45S 05/03/12 (ug/l)	GWS-SW45S 11/19/12 (ug/l)	GWS-SW45S 06/17/13 (ug/l)	GWS-SW45S 10/29/13 (ug/l)	GWS-SW45S 06/12/14 (ug/l)	GWS-SW45S 12/30/14 (ug/l)	GWS-SW45S 06/09/15 (ug/l)	GWS-SW45S 12/30/15 (ug/l)	GWS-SW45S 06/17/16 (ug/l)	GWS-SW45S 12/28/16 (ug/l)	GWS-SW45S 06/27/17 (ug/l)	GWS-SW45S 12/19/17 (ug/l)	GWS-SW45S 06/25/18 (ug/l)	GWS-SW45S 12/20/18 (ug/l)	NYSDEC Class GA Standard or Guidance Value
<b>VOLATILE COMPOUNDS</b>																		
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	UJ	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	0.79 J	1.2	0.35 J	0.80 J	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	NS	0.33 J	0.61 J	U	0.47 J	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	0.1	U	U	U	U	U	NS	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	-
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
Bromochloromethane	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Chlorobenzene	8.62	5.16	0.52 J	1.0	U	0.15 J	0.69	U	U	U	0.56 J	U	NS	0.25 J	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	0.39	U	U	U	U	U	NS	1.6	3.1	0.71 J	3.4	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	0.4	U	U	U	U	U	NS	U	0.18 J	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	0.34	U	U	U	0.32 J	U	NS	0.21 J	0.30 J	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	0.4 ST*
Trichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	NS	1.0	1.1	0.27 J	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	2 ST
Xylene (Total)	NS	NS	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	5 ST
<b>Total VOCs</b>	8.62	5.16	0.52	1.0	0	0.15	1.92	0	0	0	0.9	0	NS	4.18	6.49	1.33	4.77	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicates value exceeds standard or guidance value.



Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification Date of Collection	GWS1445M 11/30/07 (ug/l)	GWS1445M 03/17/10 (ug/l)	GWS1445M 09/21/11 (ug/l)	GWS1445M 05/03/12 (ug/l)	GWS1445M 11/19/12 (ug/l)	GWS1445M 06/17/13 (ug/l)	GWS1445M 10/29/13 (ug/l)	GWS1445M 06/12/14 (ug/l)	GWS1445M 12/30/14 (ug/l)	GWS1445M 06/09/15 (ug/l)	GWS1445M 12/30/15 (ug/l)	GWS1445M 06/17/16 (ug/l)	GWS1445M 12/28/16 (ug/l)	GWS1445M 06/27/17 (ug/l)	GWS1445M 12/19/17 (ug/l)	GWS1445M 06/25/18 (ug/l)	GWS1445M 12/20/18 (ug/l)	NYSDEC Class GA Standard or Guidance Value
VOLATILE COMPOUNDS																		
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	0.34 J	1.2	1.8	1.7	1.2	1.2	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	0.70 J	1.3	U	U	0.53 J	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.8 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	1.89 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
n-Pentane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromochloromethane	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	80 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	19.2	4.92 J	0.79 J	U	U	U	0.14	U	U	0.57 J	3.4	U	0.22 J	U	U	U	1.1	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	0.50 J	U	U	U	U	U	U	0.16 J	U	0.50 J	U	2.9	6.3	4.1	3.9	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10 GV
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	0.17 J	0.45	U	U	U	U	U	0.51 J	0.75 J	0.79 J	0.37 J	0.20 J	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Trichloroethene	U	U	0.66 J	U	U	0.37 J	0.39	U	U	U	0.28 J	U	1.2	3.8	5.1	8.0	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.21 J	U	2.1	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	NS	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	<b>21.09</b>	<b>4.92</b>	<b>1.95</b>	<b>0</b>	<b>0</b>	<b>0.64</b>	<b>0.98</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1.03</b>	<b>3.4</b>	<b>2.85</b>	<b>9.57</b>	<b>15.5</b>	<b>15.37</b>	<b>9.03</b>	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 -: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 [Indicates value exceeds standard or guidance value.]

Table 3  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 On-Site Groundwater Sample Results

Sample Identification	GWS-SW45D	GWS-SW45D	GWS-SW45D	GWS-SW45D	GWS-SW45D	GWS-SW45D	GWS-SW45D**	NYSDEC Class GA
Date of Collection	03/17/10	09/21/11	05/03/12	11/19/12	06/17/13	10/29/13	05/12/14	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>								
1,1,1-Trichloroethane	U	U	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	NS
1,2-Dichlorobenzene	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	-
Acetone	U	U	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	0,53 J	U	U	0,26	U	7 ST
Chloromethane	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	0,69 J	U	U	0,32 J	U	0,25	5 ST
Toluene	U	U	U	U	0,18 J	U	0,26	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	U	U	U	0,31 J	U	0,24	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	2 ST
Xylenes (Total)	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	<b>0</b>	<b>0,69</b>	<b>0,53</b>	<b>0</b>	<b>0,81</b>	<b>1,01</b>	<b>NS</b>	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*\*: Monitoring well has been decommissioned  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicates value exceeds standard or guidance value.

Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	NYSDEC Class GA
Date of Collection	05/03/12	07/17/14	08/10/15	06/17/16	06/27/17	06/25/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VLATILE COMPOUNDS</b>							
1,1,1-Trichloroethane	U	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	0,46 J	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	2,9 J	U	50 GV
2-Hexanone	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	-
Acetone	8,1	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	5 ST
Chlorobenzene	5,8	U	U	U	0,73 J	1,1	5 ST
Chloroethane	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	0,97 J	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	13,9	0	0	0,97	3,36	1,56	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 ---: Indicates value exceeds standard or guidance value.



Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	NYSDEC Class GA
Date of Collection	05/03/12	06/18/13	10/30/13	06/13/14	06/10/15	09/17/16	06/27/17	06/25/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
VOLATILE COMPOUNDS									
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	0,41	0,37	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
2-Butanone	0,62	U	U	U	U	U	3,8 J	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	-
Acetone	7,3	U	U	U	U	5,7	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	5,3	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	0,78	0,94	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	5 ST
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	0,52	0,49	U	U	0,46 J	U	U	5 ST
Toluene	U	U	0,13	U	U	0,36 J	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	0,64	0,57	U	U	0,72 J	0,63 J	0,81 J	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	5 ST
Total VOCs	13,22	2,35	2,5	0	0	7,24	4,43	0,81	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 ---: Indicates value exceeds standard or guidance value.



**Table 4**  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	NYSDEC Class GA
Date of Collection	05/03/12	06/18/13	10/30/13	06/13/14	06/10/15	09/17/16	06/29/17	06/25/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>									
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	2,6 J	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	-
Acetone	7,4	U	5,9	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	2,4 J	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	0,69 J	8,3	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	7,4	0	5,9	0	0	0	5,69	8,3	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicates value exceeds standard or guidance value.

Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	NYSDEC Class GA
Date of Collection	05/03/12	09/19/13	10/30/13	06/13/14	12/30/14	06/10/15	06/17/16	06/29/17	06/25/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>										
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	3,6 J	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	-
Acetone	7,0	U	U	U	U	U	5,0 J	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	2,8 J	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethane	U	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	10	11	U	U	10	170	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	U	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	7,0	0	10	11	0	0	15,0	176,4	0	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicates value exceeds standard or guidance value.



Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-5D 05/03/12	MW-5D 06/18/13	MW-5D 10/30/13	MW-5D 09/13/14	MW-5D 06/10/15	MW-5D 09/17/16	MW-5D 06/27/17	MW-5D 06/25/18	NYSDEC Class GA Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
VOLATILE COMPOUNDS									
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichlorobenzene	U	0.23	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	4.4 J	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	-
Acetone	6.2	U	U	U	U	10 J	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	0.19	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	0.24	0.27	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4 ST*
Trichloroethene	U	0.36	0.22	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	5 ST
Total VOCs	6.2	0.83	0.68	0	0	10	4.4	0	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 -: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicated value exceeds standard or guidance value.



**Table 4**  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	NYSDEC Class GA
Date of Collection	05/03/12	06/18/13	10/30/13	06/13/14	06/10/15	06/17/16	06/25/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>								
1,1,1-Trichloroethane	U	U	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	-
Acetone	6,1	U	5,8	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	50 GV
Bromoforn	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	<b>6,1</b>	<b>0</b>	<b>5,8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \* Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicates value exceeds standard or guidance value.



Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	NYSDEC Class GA
Date of Collection	05/03/12	06/18/13	10/30/13	09/13/14	06/10/15	09/17/16	06/28/17	06/25/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
VOLATILE COMPOUNDS									
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	0,25	0,28	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	4,0 J	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	-
Acetone	U	U	U	U	U	5,3 J	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	50 GV
Bromoforn	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	2,6 J	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	0,64	0,5	U	U	U	0,28 J	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	0,2	U	U	1,8	0,62 J	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	0,56	0,53	U	U	0,61 J	U	U	5 ST
Toluene	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	0,71	0,61	0,65	U	0,32 J	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	5 ST
Total VOCs	0,71	2,06	2,16	0	0	8,03	4,9	0	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 -: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicates value exceeds standard or guidance value.

Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	NYSDEC Class GA
Date of Collection	05/03/12	06/18/13	10/30/13	09/13/14	06/10/15	09/17/16	06/27/17	06/25/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>									
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	-
Acetone	6,2	U	U	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	6,2	0	0	0	0	0	4,1	0	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 -: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicates value exceeds standard or guidance value.

Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	NYSDEC Class GA
Date of Collection	05/03/12	06/18/13	10/30/14	09/13/14	06/10/15	09/17/16	06/28/17	06/25/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>									
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,1,4-Dichloroethane	U	0.28	0.27	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	0.51	0.55	U	U	U	0.21 J	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	4.1 J	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	-
Acetone	5.4	U	U	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	50 GV
Bromoforn	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	2.7 J	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	0.23	0.22	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	0.79	0.67	0.69	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	0.85	0.86	0.9	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4 ST*
Trichloroethene	0.69	0.55	0.52	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	<b>7.73</b>	<b>3.1</b>	<b>3.15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7.01</b>	<b>0</b>	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 -: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
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Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	NYSDEC Class GA
Date of Collection	05/03/12	06/18/13	10/30/13	08/13/14	12/30/14	09/10/15	12/30/15	06/17/16	12/28/16	03/22/17	06/27/17	09/28/17	12/19/17	03/29/18	06/25/18	09/27/18	12/20/18		Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)		
<b>VOLATILE COMPOUNDS</b>	130	130	88	74	44	29	86 J	29	20	21	1.3	35	89	95	U	24	38		5 ST
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	12	14	2.6	8	3.0	1.0	5.9	U	1.3	U	U	0.53 J	1.3	0.65 J	U	3.9	0.21 J	U	5 ST
1,1-Dichloroethane	6.4	1.1	0.43	U	U	U	0.82 J	U	0.65 J	1.0	U	U	0.50 J	0.33 J	U	1.1	0.32 J	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	0.19	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	0.65	0.30	0.63	U	U	U	0.31 J	U	U	U	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Acetone	6.6	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	8.7	6.1	8.3	2.9	1.0	1.9	5.6	0.61 J	U	U	U	U	U	U	U	1.4	0.23 J	U	5 ST
Chloroethane	1.6	1.4	0.29	U	U	U	U	U	U	U	U	U	0.52 J	1.1 J	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	1.1	1.5	0.66	1.4	1.2	U	3.4	2.2	1.5	0.39 J	U	U	0.19 J	U	U	4.7	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10 GV
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Styrene	2.4	4.8	2.2	U	U	U	2.0	0.45 J	0.33J	U	U	0.74 J	0.85 J	1.5	U	0.83 J	0.81 J	U	5 ST
Tetrachloroethene	U	0.61	0.93	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	0.11	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloropropene	U	U	U	U	U	U	2.6	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 ST*
Trichloroethene	0.86	0.37	0.6	U	2.2	1.2	1.7	3.2	3.8	0.72J	U	0.23 J	U	U	U	5.1	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	0.28 J	U	0.20J	U	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	170.31	160.18	104.94	86.3	51.4	33.1	108.61	35.46	27.78	23.11	4.5	36.5	92.36	98.58	0	41	40		

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
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Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	NYSDEC Class GA
Date of Collection	05/03/12	06/18/13	10/30/13	06/13/14	06/10/15	09/17/16	06/28/17	06/25/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>									
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	2,6 J	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	-
Acetone	6,8	U	U	U	U	13 J	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	2,4 J	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	-
Methyl tert-Butyl ether	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	6,8	0	0	0	0	13	5	0	

QUALIFIERS:  
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 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
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Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	NYSDEC Class GA
Date of Collection	05/03/12	06/18/13	10/30/13	06/13/14	06/10/15	09/17/16	06/29/17	06/25/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>									
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	0,04 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	3,4 J	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	1,7	U	U	U	U	U	-
Acetone	5,6	U	6	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	0,12 J	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	3,9	U	U	U	2,5 J	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	0,15	U	U	0,29 J	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	5,6	0	11,75	0	0	0,29	5,9	0,12	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
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Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	NYSDEC Class GA
Date of Collection	05/03/12	06/16/13	10/30/13	09/13/14	06/10/15	09/17/16	06/27/17	06/25/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>									
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	2.7 J	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	-
Acetone	7.6	U	5.9	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	0.37	0.27	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4 ST*
Trichloroethene	U	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	7.6	0.37	6.17	0	0	0	2.7	0	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
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 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
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Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-17 05/03/12	MW-17 06/16/13	MW-17 10/30/13	MW-17 09/13/14	MW-17 06/10/15	MW-17 09/17/16	MW-17 06/27/17	MW-17 06/25/18	NYSDEC Class GA Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
VOLATILE COMPOUNDS									
1,1,1-Trichloroethane	U	U	U	U	1.0	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	-
Acetone	7.4	U	U	U	U	4.9 J	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	0.33	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	-
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4 ST*
Trichloroethene	U	U	0.12	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	5 ST
Total VOCs	7.4	0	0.45	0	1.0	4.9	0	0	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 -: Value pertains to the sum of the isomers  
 GV: Guidance Value  
 ST: Standard  
 NS: Not Sampled/Analyzed  
 ---: Not established  
 Indicates value exceeds standard or guidance value.

Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	NYSDEC Class GA
Date of Collection	05/03/12	06/18/13	10/30/13	06/13/14	06/10/15	09/17/16	06/28/17	06/25/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
<b>VOLATILE COMPOUNDS</b>									
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	3,4 J	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	-
Acetone	U	U	5,9	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	50 GV
Bromoforn	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	2,4	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	0	0	5,9	0	0	0	5,8	0	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
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NOTES:  
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 GV: Guidance Value  
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Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-19S	MW-19S	MW-19S	MW-19S	MW-19S	MW-19S	MW-19S	MW-19S	NYSDEC Class GA
Date of Collection	05/03/12	06/18/13	10/30/13	06/13/14	06/10/15	09/17/16	06/29/17	06/25/18	Standard or Guidance Value
Units	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
VOLATILE COMPOUNDS									
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
1,1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1 ST
1,1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	0,04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	-
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0,6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	2,8 J	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	-
Acetone	7,1	U	5,5	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	2,5	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Chloroform	U	U	U	U	U	U	U	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	0,62	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0,4 ST*
Trichloroethene	U	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	<b>7,72</b>	<b>0</b>	<b>5,5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,3</b>	<b>0</b>	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
 \*: Value pertains to the sum of the isomers  
 GV: Guidance Value  
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Table 4  
 New York State Department of Environmental Conservation  
 NYSDEC Site No. 152082 - Circuitron Corporation Site  
 Pilot Source Area Treatment System  
 East Farmingdale, New York  
 Off-Site Groundwater Sample Results

Sample Identification	MW-19D 05/03/12 (ug/l)	MW-19D 06/18/13 (ug/l)	MW-19D 10/30/13 (ug/l)	MW-19D 06/13/14 (ug/l)	MW-19D 12/30/14 (ug/l)	MW-19D 06/10/15 (ug/l)	MW-19D 12/30/15 (ug/l)	MW-19D 06/17/16 (ug/l)	MW-19D 12/28/16 (ug/l)	MW-19D 06/28/17 (ug/l)	MW-19D 12/20/17 (ug/l)	MW-19D 06/25/18 (ug/l)	MW-19D 12/20/18 (ug/l)	NYSDEC Class GA Standard or Guidance Value
<b>VOLATILE COMPOUNDS</b>														
1,1,1-Trichloroethane	6.7	2.6	3	3.2	1.4	1.6	0.43 J	1.4 UJ	1.3	U	1.1	0.81 J	0.79 J	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethane	3.0	U	3	3.1	1.6	2.0	0.59 J	2.0	1.8	U	1.4	1.3	1.0	5 ST
1,1-Dichloroethene	11	6	8.3	6.6	4.5	5.2	1.0	5.6 UJ	4.4	U	3.0	3.3	2.4	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,2-Dichloroethane	U	2.2	U	U	U	U	U	U	0.23J	U	U	U	U	0.6 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	3 ST
2-Butanone	U	U	U	U	U	U	U	U	U	3.3 J	U	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Acetone	5.8	U	U	U	U	U	U	6.5 J	U	U	U	U	U	50 GV
Benzene	U	U	U	U	U	U	U	U	U	U	U	U	U	1 ST
Bromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	60 GV
Carbon tetrachloride	U	U	U	U	U	U	U	U	U	2.6 J	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	4.5 J	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Chloroform	0.71	0.50	0.69	U	U	U	U	U	0.41J	U	0.33 J	0.29 J	U	7 ST
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	1.3	0.88	1.2	1.1	U	U	0.19 J	0.93 J	0.68J	U	0.56 J	0.53 J	0.43 J	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 ST*
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	50 GV
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
m,p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	U	U	0.42	U	U	U	0.11 J	U	0.31J	U	0.30 J	U	U	10 GV
Methylene chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
o-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	U	-
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	4.8	3.2	5.1	4.1	2.3	2.9	0.93 J	3.1 UJ	2.5	U	2.2	2.5	1.9	5 ST
Toluene	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 ST*
Trichloroethene	19	8.6	12	9.8	4.7	5.1	1.4	3.8	3.8	U	3.1	3.2	2.8	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
Vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	2 ST
Xylene (Total)	U	U	U	U	U	U	U	U	U	U	U	U	U	5 ST
<b>Total VOCs</b>	52.31	23.98	33.71	27.9	14.5	16.8	4.65	23.33	15.43	5.9	16.49	11.93	9.32	

QUALIFIERS:  
 U: Compound analyzed for but not detected  
 J: Compound found at a concentration below the CRDL, value estimated  
 UJ: Compound analyzed for but not detected and found at a concentration below the CRDL, value estimated

NOTES:  
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