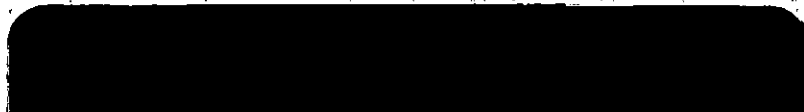




**Contract No. 68-W-98-210**

**RAC II**



***Initial Response, Enforcement Oversight  
Long-term Critical Removal Activities  
Prevention of Release or Threatened Release  
of Hazardous Substances in EPA Region II***

**CDM**

**Data Evaluation Report  
Lawrence Aviation Industries Site  
Remedial Design  
Port Jefferson Station, New York  
Work Assignment No.: 173-RDRD-02PF**

Prepared for:  
U.S. Environmental Protection Agency  
290 Broadway  
New York, New York 10007-1866

Prepared by:  
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125 Maiden Lane - 5<sup>th</sup> Floor  
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EPA Work Assignment No.	: 173-RDRD-02PF
EPA Region	: II
Contract No.	: 68-W-98-210
CDM Federal Programs Corporation	
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Date Prepared	: August 22, 2008

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PROJECT: RAC II Contract No.: 68-W-98-210  
Work Assignment No.: 173-RDRD-02PF

DOC CONTROL NO.: 3223-173-TM-MEMO-07479

SUBJECT: Data Evaluation Report  
Lawrence Aviation Industries Site  
Remedial Design  
Port Jefferson Station, New York

Dear Mr. Badalamenti:

CDM Federal Programs Corporation (CDM) is pleased to submit the Data Evaluation Report for the Lawrence Aviation Industries Site at Port Jefferson Station, New York as partial fulfillment of Subtask No. 6.3 of the Statement of Work.

If you have any questions regarding this submittal, please contact Mr. Demetrios Klerides or myself at (212) 785-9123.

Very truly yours,

CDM FEDERAL PROGRAMS CORPORATION

*Demetrios Klerides*  
for

Jeanne Litwin, REM  
RAC II Program Manager

Enclosure

cc: F. Rosado, EPA Region II  
R. Goltz/PSO File, CDM  
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RAC II Document Control

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# Section 1

## Introduction

CDM Federal Programs Corporation (CDM) received Work Assignment 173-RDRD-02PF under the Response Action Contract (RAC) II to prepare a Remedial Design (RD) for the United States Environmental Protection Agency (EPA), Region 2 at the Lawrence Aviation Industries, Inc. (LAI) Site (the site) located in Port Jefferson Station, New York. The overall purpose of the work assignment is to develop RD plans and specifications to be implemented and constructed as the remedial action (RA). The RD will comprise the basis for the RA to achieve the remediation goals specified in the Record of Decision (ROD).

As part of the RD, pre-design (PD) field activities were conducted between November 2007 and June 2008 to achieve the following goals:

- Support the design of the groundwater treatment system at the LAI facility
- Support the design of in-situ chemical oxidation (ISCO) treatment at the LAI facility
- Refine the locations of potential source areas at the LAI facility
- Refine the geometry and boundary of the groundwater plume

The PD field investigation included the following major activities:

- Geotechnical borings and infiltration testing
- Aquifer testing
- Deep soil boring investigation
- Well drilling and installation (including monitoring and extraction wells and piezometers)
- Downhole gamma logging of new monitoring wells
- Groundwater screening and monitoring well sampling
- Synoptic water level measurements
- Surveying
- Investigation derived waste (IDW) management and disposal

The overall objective of this Data Evaluation Report is to present, evaluate, and summarize the data collected during the PD investigation that are relevant to refinement of the locations of the source areas and the geometry and boundary of the groundwater plume. Specifically, the data evaluated in this report include the results of the subsurface soil sampling, two rounds of monitoring well sampling, groundwater screening, synoptic water level measurements, and geophysical logging of new wells. Engineering data relevant to the RD, including aquifer testing and geotechnical investigation data, are presented and evaluated in the Design Analysis Report (DAR) (CDM 2008) submitted as part of the RD.

## 1.1 Site Background

The information below briefly summarizes the characteristics of the site that are relevant to this Data Evaluation Report. Detailed information concerning the physical characteristics of the site, site history, and nature and extent of contamination is presented in the previous reports prepared during the Remedial Investigation/Feasibility Study:

- Outlying Parcels Technical Memorandum (CDM 2004a)
- Final Technical Memorandum (CDM 2004b)
- Final Remedial Investigation Report (CDM 2006a)
- Final Feasibility Study report (CDM 2006b)

### 1.1.1 Site Location and Description

The site is located in Port Jefferson Station, Suffolk County, New York (Figure 1-1). The LAI site encompasses approximately 126 acres and consists of the LAI manufacturing facility and areas referred to as the "Outlying Parcels", wooded areas located east and northeast of the LAI facility. The Long Island Railroad and Sheep Pasture Road form the northern border of the site; to the east and west are various residential single family houses, and to the south is a wooded area beyond which is a residential area with single family houses. The Village of Port Jefferson and Port Jefferson Harbor, an embayment of Long Island Sound, lie approximately one mile to the north.

The LAI facility, approximately 40 acres in size, is an active manufacturer of titanium sheeting for the aeronautics industry, although plant operations have been scaled down and the plant is operating well below its capacity. The LAI facility consists of 10 buildings located in the southwestern portion of the property. An abandoned, unlined, earthen lagoon which formerly received liquid wastes lies west of the buildings, and a former drum crushing area is situated south of the buildings. Figure 1-2 shows the layout of the LAI facility.

### 1.1.2 Site History

The property currently occupied by the LAI facility was previously a turkey farm owned by LAI's corporate predecessor, Ledkote Products Co. of New York (Ledkote). Originally located in Brooklyn, New York, Ledkote produced items that included lead gutters and spouts for roof drains. When the company moved to Port Jefferson Station in 1951, all the existing equipment and material from the original manufacturing processes was transferred to the new location. In 1959, Ledkote changed its name to Lawrence Aviation Industries, Inc. From approximately 1959 to the present, the LAI facility has manufactured products from titanium sheet metal, including golf clubs and products for the aeronautics industry.

Federal, State and local regulatory bodies have investigated the facility since the 1970s. Past disposal practices have resulted in a variety of contaminant releases

including trichloroethene (TCE), tetrachloroethene (PCE), acid wastes, oils, sludge, metals, and other plant wastes. Previous investigations indicated that releases of hazardous substances from the facility have affected site soils and groundwater, surface water and sediment downgradient of the site.

### 1.1.3 Previous Investigations and Regulatory Activity

Several Suffolk County and New York State investigations concerning contamination of the LAI site were conducted during the 1970s and 1980s. In 1970, the Suffolk County Department of Health Services (SCDHS) collected an aqueous sample from within a sump at the facility and determined that its contents exceeded permissible discharge limits for pH, hexavalent chromium ( $\text{Cr}^{+6}$ ) and nitrates. Further inspections by the SCDHS (SCDHS 1981) and the Brookhaven Department of Environmental Protection (BHDEP) found that adjacent residential wells were contaminated with fluoride, nitrates, TCE, 1,1-dichloroethylene, cis-1,2-dichloroethene (cis-1,2-DCE), PCE, and heavy metals. In conjunction with the SCDHS, the New York State Department of Environmental Conservation (NYSDEC) also investigated the site during the 1980s. Samples of surface liquids collected between 1982 and 1985 by SCDHS from sumps, puddles, laboratory cesspools, and surficial runoff exhibited high concentrations of fluoride, toluene, carbon tetrachloride, and heavy metals.

Additional SCDHS and NYSDEC site visits documented other potential environmental concerns at the LAI site. These concerns included a battery storage pile, a construction and demolition debris landfill, and pits used for the routine disposal of degreasing solvents, lubricating oils, and heavy equipment insulating oils. The disposal pits reportedly were six to eight feet deep and often were covered with soil to hide their contents. In addition, it was reported that approximately 100 drums were buried about 15 feet deep at the northeast section of the plant. Another dump reportedly existed on the east side of the facility buildings.

Groundwater samples collected in 1987 from four private wells downgradient of the site exhibited the presence of TCE, PCE, and dichloroethene (DCE). In 1991, the NYSDEC Region 1 Resource Conservation and Recovery Act (RCRA) Hazardous Substance Group oversaw a major drum removal action. Between July 1991 and March 1992, nine test wells were installed downgradient and five wells were installed crossgradient (northwest) of the LAI site by the SCDHS.

In 1997, NYSDEC contracted CDM to perform a remedial investigation/feasibility study (RI/FS) at the site under the NYSDEC State superfund program. Once LAI withdrew access, NYSDEC decided to pursue a preliminary RI along the site perimeter until site access could be achieved via legal means. In the interim, NYSDEC referred the LAI site to the National Priorities List (NPL). During the preliminary RI, CDM installed three monitoring wells, advanced one deep boring and three shallow Geoprobe borings on the New York State Department of Transportation (NYSDOT) easement, and collected groundwater samples from the three newly installed wells



and two previously installed SCDHS wells. Associated activities included an ecological assessment and a cultural resources survey.

The site was eventually accepted on the NPL. At that point in time, CDM was directed by NYSDEC to prepare a preliminary RI report to document NYSDEC actions (CDM 2000). EPA prepared a hazard ranking system (HRS) report and proposed the site for inclusion on the NPL on October 22, 1999 (Weston 1999). The site was listed on the NPL on March 6, 2000.

In April 2003, NYSDEC performed a multimedia inspection of the LAI site and found violations of air, soil, solid waste, chemical bulk storage, and hazardous waste regulations. LAI was ordered to cease production until all violations were resolved.

In March and April 2004, EPA's Emergency Response and Removal Section (ERRS) un-stacked, characterized, and re-staged approximately 1,300 drums/containers/cylinders containing various flammable solids, acids, bases, gas cylinders and unknowns. A total of 1,205 samples of the various contents were collected for onsite hazardous categorization analysis. ERRS also inventoried the onsite laboratory area and identified at least 390 containers. The drums and containers were disposed at an off-site facility in October and November 2004.

CDM conducted an RI/FS at the LAI site from August 2003 to May 2005. The RI included soil and groundwater screening, surface water and sediment sampling, soil sampling, multiport monitoring well installation and sampling, and hydraulic testing of selected wells. The RI (CDM 2006a) documented a chlorinated volatile organic compound (VOC) plume originating at the LAI site and identified polychlorinated biphenol (PCB)-contaminated soil at the site. The FS Report presented remedial alternatives for groundwater, soil, surface water and sediment; it was completed in July 2006 (CDM 2006b). EPA issued a ROD on September 29, 2006, selecting the remedy for the LAI Site.

The following is a list of conclusions and recommendations from the RI (CDM 2006a) that are relevant to objectives of the Pre-design investigation.

- At the completion of the RI, no evidence confirming the presence of undissolved solvent below the LAI facility was encountered.
- A VOC groundwater plume extends northward from the LAI Facility to Port Jefferson (MPW-09). The plume is characterized by elevated levels of TCE and PCE, is approximately 6,400 feet long, and is estimated to be about 1,000 feet wide at its widest point. The highest concentrations of TCE were detected in monitoring wells on the LAI Facility, and those wells also showed the highest levels of contamination in the shallowest samples, indicating that contamination is located at or near the groundwater surface. At least three historical TCE sources were documented upgradient to or near the two monitoring wells on the LAI property (MPW-02 and MPW-07).
- The vertical limit of the VOC plume at one monitoring well, MPW-09, has not



Maybe want to drill  
deeper, find to  
bottom - might change  
attraction well  
location

been fully defined. Round 1 and Round 2 groundwater sampling results indicate elevated TCE concentrations in the deepest interval of MPW-09.

- Additional data may be needed to define hydrogeologic conditions and groundwater contamination in the area between MPW-9/Old Mill Pond area and Port Jefferson Harbor. Based on the groundwater sampling results, it is likely that groundwater contamination extends further north, between MPW-09 and Port Jefferson Harbor. Additional information on the limits of salt water intrusion in this area, groundwater/surface water interaction near the Old Mill Pond/Creek, groundwater flow, and contaminant distribution may be needed in the vicinity of Port Jefferson Harbor.

### 1.1.4 Current Conditions

The PD investigation was conducted from November 2007 to June 2008. During that time there was little activity at the plant. Activities observed consisted of the clearing of debris and the apparent disposal of scrap metal that was located in and around the facility buildings. Overall, conditions at the site were similar to those reported in the RI Report (CDM 2006a).

## 1.2 Summary of Field Activities

PD field activities were performed from November 2007 to June 2008. All sampling, decontamination, and IDW handling activities were conducted in accordance with the LAI Remedial Design Work Plan, Volume I (CDM 2007a) and the Final Quality Assurance Project Plan (QAPP) (CDM 2007b), except where amended by field change requests (FCRs). FCRs are provided in Appendix A.

### 1.2.1 Deep Soil Boring Investigation

Four deep soil borings (SBD-PD-16, SBD-PD-17, SBD-PD-18 and SBD-PD-19) were advanced at the LAI Facility to collect soil and groundwater screening samples. The objectives of the soil boring program were as follows:

- Determine if a residual source of contamination is present in the subsurface soils
- Provide additional data on site lithology
- Further delineate on-site groundwater contamination
- Provide contaminant profiles for the design of the ISCO injection system
- Provide soil samples for the bench-scale soil treatability study

The soil borings targeted both the historical areas of highest detected contaminant concentrations in groundwater and the areas with the highest detected soil vapor concentrations (ERT 2007). The locations of the soil borings are shown on Figure 1-3. Soil boring logs are provided in Appendix B.

#### 1.2.1.1 Soil Boring Drilling Procedures

Soil borings were drilled by advancing 3.25-inch inside diameter (ID) hollow stem augers to the terminal depth of 260 feet below grade. During auger advancement, 2-

foot split-spoon soil samples were collected at 10-foot intervals, beginning at 8 feet below grade and using a 140-pound hammer. Additional split-spoon samples were collected, as needed, to obtain sufficient soil volume for the required soil analyses.

Each split-spoon sample was brought to the surface, opened, and placed on new plastic sheeting. Each soil sample was logged and screened for volatile organic vapor content using a MiniRae 2000 portable photoionization detector (PID).

#### **1.2.1.2 Subsurface Soil Sample Collection**

CDM collected a total of 102 subsurface soil samples from the deep soil borings for laboratory analysis. Samples were obtained at 102 intervals of the predetermined 104 sample intervals. Soil samples could not be obtained at two intervals, SBD-PD-18-H and SBD-PD-19-O, due to lack of sample recovery. Additionally, soil samples for grain size analysis could not be obtained at SBD-PD-16-P, SBD-PD-16-Q, SBD-PD-19-H, and SBD-PD-19-N, due to low soil recovery volume.

Soil from each split spoon was placed directly into three 40-milliliter (ml) vials for Target Compound List (TCL) VOC analysis using new, dedicated 5-gram plastic samplers. The remaining soil was placed into a clean stainless steel bowl for a composite sample. Soil was mixed in the stainless steel bowl using a clean stainless steel trowel to create the composite sample, which was placed into two 8-ounce jars for total organic carbon (TOC) analysis and a sealed plastic bag for grain size analysis.

The soil samples were analyzed for TCL VOCs using modified analysis #1505.1 for the SOM01.2 VOA method through the EPA Contract Laboratory Program (CLP). TOC analysis was conducted using the Lloyd Kahn method through EPA's Division of Environmental Site Assessment Laboratory (DESA). Grain size was analyzed using American Society of Testing and Materials (ASTM) method D-421-85/422-63-S-GS through a CDM laboratory subcontractor, Katahdin Analytical. Table 1-1 summarizes the subsurface soil samples. The results of the deep soil boring investigation are further discussed in Section 3.2.

#### **1.2.1.3 Groundwater Screening in Deep Soil Borings**

CDM collected a total of eight groundwater screening samples from the four deep soil boreholes. At each borehole, groundwater samples were collected at depths of approximately 10 and 20 feet below the water table. Groundwater screening locations are depicted on Figure 1-4.

To obtain groundwater screening samples, a steel, 2-inch diameter, 5-foot length, 10-slot well screen attached to hollow rods was lowered through the augers to the desired groundwater screening depth. A decontaminated Grundfos™ pump connected to new dedicated tubing was lowered through the hollow rods to the midpoint of the well screen. Subsequently, the pump was activated and water was purged into 55-gallon drums.

During purging the flow rate and water quality parameters (pH, temperature, specific conductance, dissolved oxygen (DO), oxidation-reduction potential (ORP), and turbidity) were monitored using a YSI 600 XL water quality meter and a LaMotte 2020 turbidity meter. Subsequently, groundwater samples were collected using the site-specific low-flow, minimal drawdown sampling procedure, which follows the EPA Region 2 Final Groundwater Sampling SOP entitled "Ground Water Sampling Procedure, Low Stress (Low Flow) Purging and Sampling", dated March 16, 1998.

Samples were collected directly into three 40-ml vials (hydrochloric acid [HCl] preserved). The groundwater samples were analyzed for TCL VOCs using the SOM01.2 trace water method through the EPA CLP. Final water quality parameters are summarized on Table 1-2. Low-flow sampling logs are provided in Appendix D. The results of the groundwater screening are discussed in Section 3.3.

## 1.2.2 Monitoring Well Drilling, Installation, and Development

Figure 1-5 shows the locations of the seven monitoring wells (MW-PD-11 through MW-PD-17) installed within and along the boundary of the existing TCE contaminant plume. The purpose of the monitoring wells was to:

- Better define the lateral boundaries of the plume (2 wells installed on the eastern boundary and 2 installed on the western boundary)
- Better define the concentrations along the centerline of the plume (3 wells)

### 1.2.2.1 Groundwater Screening Sample Collection

Prior to installing the monitoring wells, groundwater screening samples were collected to estimate the vertical distribution of VOCs in groundwater at each monitoring well location. Groundwater screening results were evaluated and were used to select the depths of the monitoring well screens. A total of 27 groundwater screening samples were collected from the new monitoring well locations. Groundwater screening samples are summarized on Table 1-2.

At each monitoring well location, groundwater screening samples were obtained at three predetermined depths based on the results of groundwater samples collected during the RI. Groundwater samples were collected at additional depths, if needed, to further characterize the vertical distribution of VOCs. The decision to collect additional groundwater screening samples was based on evaluation of the results of the initial three screening samples. The collection of additional screening samples was approved by EPA prior to collection and was documented in FCRs (Appendix A). Additional groundwater screening samples were collected at the locations of MW-PD-12 and MW-PD-16 to evaluate the vertical extent of VOC contamination. At MW-PD-13, the borehole could not be advanced to the bottommost interval, due to dense soil conditions that impeded auger advancement. The sample depth intervals at MW-PD-13 were adjusted to obtain the three groundwater screening samples (FCR No. 8).

To collect the groundwater screening samples, augers were advanced to the uppermost groundwater screening depth and a groundwater sample was obtained in the same manner as described in Section 1.2.1. Subsequently, augers were advanced to the second, and then, third, predetermined depths for groundwater screening sample collection. However, at MW-PD-13 and MW-PD-15, groundwater screening samples were obtained from the bottom interval first, then the middle interval, and finally the upper interval. This method (documented in FCR-8) was used to avoid drilling problems (i.e., flowing fine-grained sands, borehole destabilization) encountered at these locations.

Due to the flowing sands encountered while drilling, potable water was injected into the borehole using a tremie pipe, as needed, to clean out the borehole interval in order to lower the temporary well screen to the appropriate sample depth. The volume of water injected into the interval was recorded and was subsequently evacuated from the borehole interval, prior to collection of the groundwater screening sample. Groundwater screening samples were obtained in the same manner as described in Section 1.2.1.3. Low-flow sampling logs are included as Appendix D.

Groundwater screening samples were submitted to the EPA Mobile Laboratory for TCL trace VOCs analysis using method OLM 04.3-W. Groundwater screening results are discussed in Section 3.3.1.

#### **1.2.2.2 Monitoring Well Drilling**

Following completion of the groundwater screening at a well location, the hollow stem augers were retracted from the borehole and the final screen interval of each well was chosen so the well would screen the zone with the highest concentration of TCE.

The larger diameter boreholes for the 4-inch diameter monitoring wells were installed by advancing 6.25-inch ID hollow stem augers from the surface to the well screen depth. Augers were advanced in the same boreholes that were used for groundwater screening.

#### **1.2.2.3 Monitoring Well Installation**

Following borehole drilling, a 4-inch ID stainless steel well was lowered through the augers and installed at the appropriate depth. The stainless-steel well was comprised of 10-foot lengths of riser casing attached to a 10-foot length of 0.010-inch (10-slot) wire wrapped well screen with flush-threaded joints.

When the well was positioned at the final borehole depth, a sand filter pack (#1 size sand) was placed into the borehole annulus around the well by gravity feed. The sand filter pack extended from the final borehole depth up to a minimum of two feet above the top of the well screen. Subsequently, a minimum 2-foot thick seal of bentonite slurry was placed into the borehole annulus above the sand pack using a tremie pipe lowered to depth. Augers were slowly retracted as the sand pack and

bentonite slurry were installed. The remainder of the borehole annulus was filled with a cement/bentonite grout up to a depth of approximately three feet below grade.

A steel flush-mount protective casing was set in concrete around the well at the surface. All wells were secured with 4-inch diameter, removable polyvinyl chloride (PVC) well caps fitted with keyed-alike locks. Table 1-3 summarizes the construction details of each newly installed monitoring well. Well construction logs are included in Appendix C.

#### **1.2.2.4 Monitoring Well Development**

At least 12 hours after installation, the monitoring wells were developed to remove fine-grained material from and around the well screen in order to create a better hydraulic connection with the aquifer.

Decontaminated 3-inch-diameter submersible pumps and dedicated tubing were used to develop the wells. Each well was surged using the submersible pump to facilitate the removal of fine-grained material.

During purging, water quality parameters were collected using methods described in Section 1.2.1.3. Well development continued until water quality parameters stabilized, purge-water was free of fine-grained material and all water lost to the formation during well installation procedures was recovered. Well development is summarized on Table 1-4 and well development logs are included as Appendix E.

Following development, wells were allowed to equilibrate for a minimum period of two weeks, prior to collecting groundwater samples.

### **1.2.3 Groundwater Sampling**

As part of the PD investigation CDM collected two rounds of groundwater samples and two rounds of synoptic water level measurements. In Round 1, groundwater samples were collected from 12 existing monitoring wells to define baseline groundwater conditions. In Round 2, groundwater samples were collected at the 12 existing wells sampled during Round 1 plus 7 additional monitoring wells (MW-PD-11 through MW-PD-17) installed during the PD investigation. Synoptic water levels were collected in conjunction with both rounds of groundwater sampling to provide data to refine the groundwater flow and the conceptual site model.

#### **1.2.3.1 Synoptic Water Level Measurements**

As part of the Round 1 and Round 2 groundwater sampling events, CDM measured the groundwater elevations at the multi-port wells and conventional monitoring wells. Fluid pressure was measured in the multiport wells using the in-situ vibrating wire transducers. A water level meter was used to measure water levels in the conventional monitoring wells. Monitoring well locations are shown on Figure 1-5. During each event, water levels were collected over a time period of approximately 6

hours in order to provide data to better understand groundwater flow. Water level data is presented on Table 1-5.

### **1.2.3.2 Groundwater Sampling - Round 1**

CDM collected groundwater samples from a total of 12 existing monitoring wells during the Round 1 sampling event conducted from November 26 through 30, 2007. Groundwater samples were obtained from 10 existing multiport wells (MPW-1 through MPW-10) and two conventional wells (MW-05 and FG-01).

A total of 43 groundwater samples were collected during the Round 1 event. During the initial week of sampling, two of the sampling ports on the multiport wells did not function properly. Following rehabilitation of MPW-02 Port A and MPW-07 Port B, samples were collected on January 4, 2008. In addition, a second round of confirmatory samples was collected from MPW-02 Ports A, B, C and D between March 6 to 11, 2008.

Groundwater samples were obtained in accordance with the low-flow sampling procedures approved in the final QAPP. Multiport wells were purged and sampled using nitrogen driven, dedicated bladder pumps. Conventional monitoring wells were purged and sampled using decontaminated Grundfos™ submersible pumps and dedicated tubing as described in Section 1.2.1. Groundwater samples were collected directly into laboratory containers.

Groundwater samples were submitted to EPA CLP to be analyzed for TCL trace level VOCs using SOM01.2. Samples were also submitted to EPA CLP to be analyzed for titanium using modified analysis #1502.0 for the ILM05.4 (Inductively Coupled Plasma (ICP) - Atomic Emission Spectroscopy (AES)) method. Fluoride analysis was conducted using EPA method 300 through EPA DESA. A summary of the RD Round 1 groundwater sampling is included on Table 1-6a and the Low flow sampling logs are included in Appendix D. The results of the groundwater sampling are discussed further in Section 3.3.2.

### **1.2.3.3 Groundwater Sampling - Round 2**

CDM collected groundwater samples for analysis from a total of 19 monitoring wells during the Round 2 sampling event conducted from May 19 through June 3, 2008. Groundwater samples were obtained from 10 existing multiport wells (MPW-1 through MPW-10), seven new monitoring wells (MW-PD-11 through MW-PD-17), MW-05, and FG-01.

A total of 49 groundwater samples were collected during the Round 2 event. Following numerous attempts at rehabilitation, CDM was unable to sample MPW-07 Port A as it appears the port has become inoperable. Monitoring wells were purged and sampled using the same methods that were used during Round 1 (described above).

Groundwater samples were submitted to the EPA CLP to be analyzed for TCL trace level VOCs using the SOM01.2. Samples were also submitted to EPA CLP to be analyzed for titanium using modified analysis #1502.1 for the ILM05.4 ICP-AES method. Fluoride analysis was conducted using EPA method 340.2 through a CDM laboratory subcontractor, Katahdin Analytical. A summary of the Round 2 groundwater sampling is included on Table 1-6b and the Low flow sampling logs are included In Appendix D. The results of the groundwater sampling are discussed further in Section 3.3.2.

### **1.2.4 Borehole Geophysics**

CDM conducted natural gamma logs from June 10 through 12, 2008 on each new well and piezometer installed during the PD field investigation. The natural gamma logs were performed using a 4MXA-1000 winch and 2PGA-1000 Poly-Gamma probe for the 5MXA Matrix logging system. The natural gamma logging instrument was lowered from the ground surface to the total depth of each monitoring well, collecting data as it descended at a rate of approximately 15 feet/minute (ft/min). Once the total depth of the well was sounded, a second natural gamma log was performed as the instrument was raised from the base of the well back to the ground surface. As a quality control check, selected segments of each borehole were repeated to ensure data were reproducible. The final natural gamma data are presented in Appendix C on the individual monitoring well logs.

### **1.2.5 Survey**

Coordinates and elevations for the newly installed four deep soil boreholes (SBD-PD-16 through SBD-PD-19) and seven monitoring wells (MW-PD-11 through MW-PD-17) were surveyed by GEOD Corporation, a professional land surveyor subcontracted to CDM, in June 2008. The survey subcontractor surveyed the northing and easting coordinates plus ground surface elevation at each deep borehole and monitoring well. Additionally, elevations of the top of the flush-mount protective casing and the inner stainless steel casing were also surveyed for each monitoring well.

### **1.2.6 Disposal of Investigation-Derived Waste**

CDM procured the services of Seacoast Environmental, an IDW subcontractor, to characterize, transport, and dispose of all IDW generated during the course of the RD field investigation. Waste soil and drilling fluids generated during drilling and soil sampling activities were transferred to 20-cubic yard roll-off containers located at the staging area. Wastewater derived from aquifer testing, well development and purging, and decontamination were bulked and stored in 21,000-gallon tanks prior to disposal. The IDW subcontractor sampled all soil and wastewater to determine RCRA characteristics for disposal. All soil and wastewater generated during the investigation were determined to be non-hazardous and were properly disposed by the IDW subcontractor.



## Section 2

# Hydrogeologic Setting

The following sections summarize the site-specific geology and hydrogeology in order to provide a framework for the RD at the LAI facility. Complete discussions of the regional and site-specific geology and hydrogeology are presented in the RI Report (CDM 2006a).

## 2.1 Geology

Site-specific geologic data was obtained from literature review, historic boring logs, stratigraphic borings, deep exterior soil borings (SBD) and multiport monitoring wells (MPW) installed during the RI and deep soil borings (SBD-PD) and conventional monitoring wells (MW-PD) installed during the RD. Lithologic and geophysical data collected from these borings and wells provide an understanding of the subsurface geology and hydrogeology from the LAI facility to Port Jefferson Harbor to the north.

Cross-sections were developed from the data generated from the aforementioned borings and wells. The cross sections also include potentiometric and groundwater chemistry (TCE) data. Figure 2-1 presents the plan-view locations of the cross-sections. Cross-section A-A' (Figure 2-2) focuses on potential source areas at the facility explored during the RD. Cross-section B-B' (Figure 2-3) presents a south to north view of the lithology from the site to the Port Jefferson Harbor. Cross-sections C-C', D-D' and E-E' (Figures 2-4 to 2-6) present west to east cross-sectional views perpendicular to the local groundwater flow direction.

Three aquifers are present beneath the LAI site: the Upper Glacial aquifer, the Magothy aquifer and the Lloyd sand member of the Raritan Formation (Koszalka 1984). The Magothy and underlying Lloyd Sand Aquifers are separated by the Raritan Clay member of the Raritan Formation. Consequently, water is interchanged much more readily between the Upper Glacial and Magothy aquifers than between the Magothy and Lloyd aquifers. The presence of the virtually impermeable Raritan Clay, directly underlying the Magothy aquifer, is the lower boundary of the upper flow system. Investigations at the site have only focused on the Upper Glacial and the top of the Magothy aquifers.

**Magothy Aquifer:** As seen on Cross section B-B' (Figure 2-3), the top of the Magothy formation, which underlies the Upper Glacial Aquifer, was at a depth of 324 feet bgs (99 feet below msl) in stratigraphic boring ST-3. This unit was also observed in the boring for MPW-09 at a depth of 108 feet bgs (98.34 feet below msl).

The Magothy aquifer consists of Upper Cretaceous Magothy deposits to the top of the confining clay unit of the Raritan Formation. The aquifer has a fluvio-deltaic depositional origin, is wedge shaped, and thickens progressively towards the south and southeast. The Magothy deposits were unconformably overlain by a veneer of

Pliocene and Pleistocene deposits, chiefly of glacial origin (Franke and McClymonds 1972). Deposition of the glacial deposits left the top of the Magothy Aquifer irregular and marked by discontinuous clay bodies within the deposits of the Pliocene-Pleistocene succession (Upper Glacial Aquifer), Smithtown Clay Unit, or Magothy Formation. This upper portion of the Magothy will be referred to as the reworked Magothy.

**Upper Glacial Aquifer:** Cross section B-B' (Figure 2-3) shows the extent and lithology of the Upper Glacial Aquifer underlying the LAI Facility as compared to downgradient of the site. The LAI facility itself is directly underlain by the Pleistocene-age Harbor Hill moraine, a remnant of the most recent glaciation. The moraine is up to 70 feet thick and composed primarily of sand and gravel with occasional lenses of silty sand and silt. The moraine deposits thin to the south and to the north.

At the LAI facility, the moraine deposits are underlain by well graded fine to medium grained sands and silts with occasional layers of silt and clay or sand and gravel. The clay rich layers observed in this zone were thin and discontinuous, likely derived from Magothy formation materials (or Smithtown Clays) reworked and then re-deposited during the creation of the local moraine. This localized glacial activity at the site has reworked the upper layers of the Magothy Formation and left very complex heterogeneous glacial deposits at the base of the Upper Glacial aquifer, this material is not differentiated from the reworked Magothy material described above.

## 2.2 Hydrogeology

**Groundwater Flow:** Generally, the aquifer is under unconfined conditions and the upper limit of the aquifer is the water table. Synoptic groundwater elevation data collected in May 2008 was used to prepare a potentiometric surface map for the Upper Glacial aquifer at the LAI site and north of the site to the Village of Port Jefferson. In order to interpret vertical and horizontal flow potential the water level elevation data was contoured in cross section (Figures 2-3 to 2-6) and then projected to plan view. The May 2008 potentiometric surface map is shown on Figure 2-7. The map includes the approximate extent of the TCE plume investigated during the RD.

The potentiometric surface map shows that groundwater flow, in the vicinity of the LAI facility, is to the north towards Port Jefferson Harbor. Figure 2-3 shows that the depth to the water table is approximately 185 ft at the site and decreases as you move off the moraine towards the Port Jefferson Harbor. As expected there is a downward gradient observed under the moraine, but as you move off the moraine and towards the Port Jefferson Harbor, there is a significant upward hydrologic gradient driving groundwater towards the ground surface (at MPW-09 the Upper Glacial Aquifer is under artesian conditions). These observations are consistent with previous studies.

**Estimates of Hydraulic Conductivity and Transmissivity:** During the RI/FS, CDM performed a series of packer tests at the site to estimate hydraulic conductivity and transmissivity. Packer tests are used to isolate vertical sections of the well with

inflatable bladders to define the vertical distribution of water quality parameters and hydraulic conductivity. Tests were performed at MPW-07, located at the LAI facility, MPW-10 located approximately 1,700 feet downgradient of the LAI facility, and at MPW-09, near Port Jefferson Harbor. Using several different analytical methods, hydraulic conductivity values were calculated to range from <0.02 foot/day to 89 feet/day, and transmissivity estimates to range from 12 to 22,219 gallons per day/foot (or 2 to 2,973 feet<sup>2</sup>/day). Lithologic logs indicate that the saturated portion of the Upper Glacial and Magothy aquifers at the site, where the multiport wells were screened, generally consisted of a layer of fine to medium sand overlying a silty sand layer.

As part of the RD investigation, aquifer testing was performed in the area proposed for extraction wells. A step-drawdown test, a 48-hour constant rate test and recovery measurements were collected in order better characterize the bulk hydraulic properties of the aquifer in this area. Using several different analytical methods (for details see the DAR Appendix G) hydraulic conductivity estimates ranged from 31 to 63 feet/day and transmissivity estimates ranged from 4,377 to 8,780 feet<sup>2</sup>/day.

The wide range of hydraulic conductivity values is not unexpected considering the heterogeneity of the glacially deposited material encountered in the borings. The results of the packer testing only represent the hydraulic properties of the aquifer material that immediately surrounds the well screen. The results of the 48-hour constant rate test represent the mean hydraulic properties of the material between the pumping well and the piezometers used to measure drawdown. Therefore, the estimates derived from the 48-hour constant rate test are likely more representative of the bulk hydraulic properties of the unit in that area.

## Section 3

# Summary of Sampling Results

This section provides a summary of the results of the PD field activities. The discussion of analytical results will focus on chlorinated VOCs, the primary contaminants of concern. However, all of the analytical data collected are presented in Appendix F.

During the RI, the EPA selected the following screening criteria as the most relevant and applicable to the LAI site. These screening criteria are presented in Worksheet 15 of the Final QAPP (October 2007b). CDM has reevaluated the applicability of the screening criteria for this technical memorandum. Whenever possible, established regulatory criteria, known as chemical-specific applicable or relevant and appropriate requirements (ARARs), were used to screen the data. In the absence of ARARs, regulatory guidance values, known as "to be considered" (TBC), were used to screen the data.

In preparing the screening criteria, the lowest value of the applicable ARAR/TBC was used as the applicable screening criteria, unless otherwise noted. The screening criteria are presented in Appendix F with the full analytical results. The following list indicates how the screening criteria were compiled for each media:

- Groundwater screening criteria were compiled from the EPA National Primary Drinking Water Standards (NPDWS) and the NYSDEC Surface and Groundwater Quality Standards. The lower of the two standards was used as the screening criteria.
- Subsurface soil screening criteria were selected from the EPA Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites (EPA 2002), a companion guidance to the EPA 1996 Soil Screening Guidance (SSG).

### 3.1 Data Presentation

The analytical results from the PD field activities were put into the site database for evaluation purposes. The data were exported to an Environmental Geographic Information System (EGIS) for analysis and graphical presentation. The data presented on the figures in this section are in units consistent with Appendix F and are as follows: organic and inorganic data for aqueous samples are presented in micrograms per liter ( $\mu\text{g/L}$ ) and organic data for solid samples are presented in micrograms per kilogram ( $\mu\text{g/kg}$ ). A data usability evaluation assesses the usability of the analytical data generated from the field investigation (Appendix G).

### 3.2 Deep Soil Boring Sampling Results

CDM conducted a deep soil boring investigation that included four deep soil borings to a depth of 260 feet bgs. The objectives of the soil borings were: to determine if a

residual source of contamination remains in the subsurface; provide soil samples for the bench scale treatability testing; provide additional data on site lithology; and provide contaminant profiles for the design of ISCO injection. The sample locations and VOC detections are shown on Figure 3-1. Complete analytical results are included in Appendix F.

Eleven VOCs were detected in the soil samples, including, 2-butanone, acetone, benzene, carbon disulfide, chloroform, cyclohexane, m,p-xylene, methylene chloride, PCE, toluene, and TCE. With the exception of acetone, the concentrations of all of the detected VOCs were below their respective soil screening criteria. All of these compounds were also detected at concentrations below their screening criteria in soil samples collected during the RI.

The following discussion focuses on the distribution of TCE and PCE in the soil boring samples since TCE and PCE are the primary contaminants associated with the groundwater plume. Acetone is also discussed as it is the only compound detected at concentrations exceeding its screening criterion.

TCE was detected at concentrations below its screening criterion (700 µg/kg) in soil samples collected in all four deep soil borings (SBD-PD-16 through SBD-PD-19). Soil containing TCE primarily consisted of fine- to medium-grained sand with trace silt and gravel. TCE was detected in samples collected in the unsaturated and saturated (below the groundwater table) zones. Detections observed in samples collected below the groundwater table are likely attributable to groundwater contamination.

SBD-PD-16: TCE was detected in the unsaturated zone in consecutive samples collected between 10 to 70 feet bgs; concentrations ranged from 1.9 µg/kg to 6.2 µg/kg. TCE was detected in only two samples collected at depths greater than 70 feet bgs: SBD-PD-16-J (100 feet) and SPB-PD-16-S (190 feet) had TCE concentrations of 1.9 µg/kg and 1.1 µg/kg, respectively.

In the remaining borings TCE was generally concentrated in several depth intervals within each boring in both the unsaturated and saturated zones.

SBD-PD-17: TCE was detected in soil samples collected between 80 and 120 feet bgs at concentrations ranging from 1.3 µg/kg to 10 µg/kg, and in samples collected in the saturated zone from 190 and 230 feet bgs at concentrations ranging from 3 µg/kg to 24 µg/kg.

SPD-PD-18: TCE was detected at concentrations ranging from 1.8 µg/kg to 48 µg/kg in the 40 to 60 foot depth interval and from 1.2 µg/kg to 12 µg/kg in the saturated zone (180 to 220 foot depth intervals).

SBD-PD-19: TCE was detected at concentrations ranging from 1.6 µg/kg to 8.8 µg/kg in the 40 to 80 foot depth interval, and in the saturated zone (200 to 260 foot depths), ranging from 2.8 µg/kg to 46 µg/kg.

PCE was detected only in boring SBD-PD-18 and all concentrations were below the PCE screening criterion. PCE was detected in four soil samples: SBD-PD-18-D (40 feet) 3.5 µg/kg; SBD-PD-18-K (110 feet) 3.3 µg/kg; SBD-PD-18-O (150 feet) 1.3 µg/kg; SBD-PD-18-T (200 feet) 1.5 µg/kg. The sporadic pattern of contamination distribution does not indicate that the SBD-PD-18 is a likely area for PCE entry into the aquifer.

Acetone was detected in all 26 soil samples collected from SBD-PD-19; 19 soil samples collected from SBD-PD-18; 9 soil samples collected from SBD-PD-17; and 5 soil samples collected from SBD-PD-16. Acetone concentrations in soil boring samples ranged from 4.4 µg/kg to 6,200 µg/kg. Eight of the nine samples that exceeded the acetone screening criterion were detected in SBD-PD-19. Acetone is not known to have been used at the facility nor was it used for equipment decontamination during field activities. Acetone was also detected during the RI in SBD-03 from 104 to 106 feet bgs (260 µg/kg) and SBS-11 from 2 to 4 feet and 10 to 12 feet bgs (6 and 280 µg/kg, respectively). There were no detections of acetone in any of the production area borings during the RI.

A significant number of acetone detections were flagged as non-detect during data validation because of acetone contamination in the blanks. The reason that some of the higher levels were not flagged non-detects associated with blank contamination was because the concentrations were greater than 10 times the concentrations detected in the blanks. Overall, it is unclear whether acetone is related to laboratory contamination or is a constituent in the soils.

**Summary:**

- The soil boring analytical data do not indicate the presence of any significant VOC sources in soils at the boring locations.
- With the exception of acetone, none of the VOCs exceeded the soil screening criteria.
- There is no consistent pattern or trends in the distribution of PCE and TCE detected in the soil boring samples.
- VOC detections in the saturated zone are likely attributable to dissolved phase VOCs in the groundwater.
- Acetone was the only VOC that exceeded screening criteria and its presence in the soils samples may be the result of laboratory contamination. The presence of acetone is inconsistent with the RI soil sampling results, which did not indicate the presence of acetone in the LAI production area.
- Despite the presence of elevated concentrations of VOCs in soil-vapor samples collected in the vicinity of the soil borings, VOCs were not detected at elevated levels in the subsurface soil samples. This suggests that the VOCs are primarily present in the vapor phase and are not adsorbed to soils.

### 3.3 Groundwater

Results of the groundwater investigation activities conducted during the PD are discussed in this section including:

- Groundwater screening performed as part of the monitoring well drilling and installation activities
- Groundwater screening performed in connection with the deep soil borings drilled on the LAI facility
- Round 1 and Round 2 monitoring well sampling

Details of the sampling procedures and analyses performed are described in Section 1.2. Appendix F contains all the analytical data collected during the groundwater investigation. Analytical results for the groundwater investigation activities are shown on Figures 3-2 through 3-4.

### 3.3.1 Groundwater Screening Sample Results

Groundwater screening samples were collected at several depth intervals within each monitoring well borehole (prior to well installation) and at two depths in each of the four deep soil borings: 1) just below the water table and 2) 10 feet below water table sample. Table 1-3 lists the samples collected and the sample depth intervals. Figure 3-2 shows the VOCs detected in the groundwater screening samples.

#### 3.3.1.1 Deep Soil Boring Groundwater Screening Sample Results

Eleven VOCs were detected in groundwater screening samples collected from deep soil borings SBD-PD-16 through SBD-PD-19: acetone, bromomethane, chloromethane, cis 1,2-DCE, MTBE, 1,1-DCA, chloroform, 1,1,1-TCA, TCE, toluene and PCE. Concentrations of TCE, toluene, and acetone exceeded screening criteria. The discussion below focuses on the VOCs that exceeded the screening criteria.

TCE was detected in all of the deep soil boring groundwater screening samples. TCE concentrations ranged from 1 µg/L in SPD-PD-16-GW-B to 200 µg/L in SBD-PD-17-GW-A. With one exception, SBD-PD-19-GW, the highest TCE concentration at all locations was detected in the screening sample collected at the water table. At the SPD-PD-19 groundwater screening location, the TCE concentration in the water table sample (SBD-PD-19-GW-A) and the sample collected 10 feet below the water table (SPD-PD-19-GW-B) were identical: 12 µg/L. The highest TCE concentration (200 µg/L) was detected at SBD-PD-17-A, which is located in the vicinity of RI multi-port monitoring well MPW-07. This is consistent with the RI results, in which samples from the shallow interval of MPW-07 (-22 feet below msl) showed the highest concentration of TCE on the LAI facility. The second highest TCE concentration (93 µg/L) occurred in water table sample SBD-PD-18-GW-A, located south of SBD-PD-17. SBD-PD-19 was located near RI boring SBD-10; however, the concentrations detected in SBD-PD-19 were over an order of magnitude below those previously detected at SBD-10. The TCE concentrations were lowest in the SBD-PD-16 samples (16 µg/L and 1 µg/L). The SPD-PD-16 location was selected based on high concentrations of TCE detected in soil vapor samples collected by ERT (ERT 2007). The soil sampling and groundwater screening results do not suggest that a significant source of groundwater contamination is present in the vicinity of SBD-PD-16.

Toluene was detected in samples SBD-PD-18-GW-A, SBD-PD-18-GW-B and SBD-PD-16-GW-A, with concentrations exceeding the groundwater screening criterion in only one sample, SBD-PD-18A (45 µg/L). Toluene was also detected in low concentrations (1 to 4.2 µg/kg) in soil samples from SBD-PD-16 and SPD-PD-18. However, the detections were more than three orders of magnitude below the soil screening criterion.

Acetone was detected in two soil boring groundwater screening locations; SPB-PD-18 and SPD-PD-19. At SBD-PD-18, it was detected at a concentration of 66 µg/L in the deeper sample, which exceeded the acetone screening criterion of 50 µg/L. In SBD-PD-19, acetone was detected in both groundwater screening intervals at concentrations below its screening criterion; 20 µg/L in SBD-PD-19-GW-A and 15 µg/L in SBD-PD-19-GW-B. In comparison, acetone was detected in every soil sampling interval of SBD-PD-19 and exceeded its soil screening criterion in eight of the samples. Acetone was detected in 19 soil sampling intervals of SBD-PD-18, but all concentrations were below screening criteria.

Acetone detections were frequently elevated above the contract required quantitation limit (CRQL) levels in field blanks associated with the groundwater screening samples, although acetone was not used for equipment decontamination during the field activities. The more elevated acetone results typically ranged from 17 to 60 µg/L. There was one high concentration of acetone (150 µg/L) detected in a field blank collected on December 5, 2007. As a result of field blank contamination, many of the acetone detections were changed to "U" or "non-detect" values during data validation. The QC data suggest that the presence of acetone in the screening samples may not reflect actual conditions and are likely a result of laboratory contamination. Additional discussion of the presence of acetone in blank samples is provided in the data usability assessment (Appendix G).

### Summary

The groundwater screening results are consistent with the groundwater data collected in the RI for monitoring wells on the LAI facility. Groundwater screening samples collected from SBD-PD-19 and SBD-16 had the lowest concentrations of TCE (up to 16 µg/L). Higher concentrations of TCE were detected in the water table samples compared to samples collected 10 feet below the water table. These results are consistent with the RI results for multi-port wells located on the LAI Facility (MPW-02 and MPW-07), which generally showed decreasing TCE concentrations with increasing depth. The elevated TCE results at SBD-PR-18 (93 µg/L) provides additional data that the plume extends slightly further to the south, compared to the RI results. Groundwater screening results for SBD-PD-17, which is located near MPW-07, showed the highest TCE result, although the concentration is less than 5 times the maximum TCE result (1,100 µg/L) for MPW-07.



### 3.3.1.2 Monitoring Well Groundwater Screening Sample Results

Groundwater screening samples were collected from targeted zones to provide analytical data to support selection of the screen intervals for the monitoring wells. Analytical results for groundwater screening samples collected at the monitoring well locations are shown on Figure 3-2.

A total of seven VOCs were detected in screening samples collected from the seven monitoring well locations: acetone, bromomethane, *cis*-1,2-DCE, MTBE, TCE, toluene, and PCE. Concentrations of acetone and MTBE in the samples did not exceed groundwater screening criteria. Concentrations of bromomethane, *cis*-1,2-DCE, TCE, toluene, and PCE exceeded site-specific screening criteria in one or more of the screening samples. Three of the VOCs, acetone, bromomethane, and MTBE, are not considered to be related to the site. The maximum concentration of MTBE, a common gasoline additive, detected in the groundwater screening samples was 6 µg/L. MTBE was also detected in background groundwater samples (MPW-01) collected during Rounds 1 and 2 (Figures 3-3 and 3-4). Acetone and bromomethane concentrations were low (less than 12 µg/L) and are common laboratory contaminants. Bromomethane (methyl bromide) was detected in eight samples from five locations. All the detections of bromomethane were within approximately two times screening criterion. Acetone and bromomethane are not known to be associated with the plume and were not detected in the Round 1 and Round 2 groundwater samples.

The discussion below focuses on the distribution of TCE and PCE as these are the primary VOCs associated with the groundwater plume. The distribution of *cis*-1,2-DCE is also discussed since it is a common degradation product of the reductive dechlorination of TCE and PCE. Three groundwater screening locations, MW-PD-12, MW-PD-14, and MW-PD-16, were located along the north-south axis of the plume. Groundwater screening locations MW-PD-11, MW-PD-13, MW-PD-15, and MW-PD-17 are located along the plume boundary (Figure 3-2).

TCE was detected above screening criterion in four screening locations, MW-PD-12, MW-PD-14, MW-PD-16, located along the plume's north-south axis, and at MW-PD-15, a location selected to identify the northwest boundary of the plume. TCE was detected in nearly all screening intervals at these locations. The highest concentration of TCE was detected at the location of MW-PD-16-D (2,000 µg/L). A TCE concentration of 800 µg/L was detected in the screening intervals above and below MW-PD-16-D. MW-PD-16 is located upgradient of RI monitoring well MPW-09, where the highest downgradient TCE concentrations were detected during the RI. TCE concentrations in MW-PD-14 were generally between the maximum concentrations detected at the MW-PD-16 screening location and the MW-PD-12 screening location. TCE concentrations ranged from 21 to 400 µg/L at the MW-PD-14 screening location, and from non-detect to 130 µg/L at the MW-PD-12 screening location. TCE was not detected in screening samples from MW-PD-11, MW-PD-13, and MW-PD-17, three of the four boundary well locations. At the MW-PD-15 screening location, TCE was detected at concentrations ranging from 12 to 42 µg/L, indicating that the plume boundary likely extends westward beyond this location.

However, the screening sample concentrations at the MW-PD-15 screening location generally were below those detected in the samples from the locations along the plume axis (MW-PD-12, MW-PD-14, and MW-PD-16).

PCE was detected at screening locations MW-PD-14 and MW-PD-16, located along the plume's north-south axis. PCE concentrations generally were two to three orders of magnitude lower than the TCE concentrations in the same samples. PCE concentrations ranged from 6 to 18 µg/L, less than 4 times the screening criterion of 5 µg/L. PCE was detected only in association with high concentrations of TCE detected in wells along the plume axis (MW-PD-14 and MW-PD-16).

*cis*-1,2-DCE was detected only at one monitoring well screening location, MW-PD-16. Concentrations of *cis*-1,2-DCE concentrations were relatively low, ranging from 6 to 13 µg/L, and were 2 orders of magnitude below the TCE concentrations in the respective samples. The PCE detections are co-located only with the highest concentrations of TCE. The low concentrations of *cis*-1,2-DCE relative to the TCE concentrations suggest only minimal degradation of TCE and/or PCE may be occurring.

### **Summary**

Groundwater screening data collected at the monitoring well locations provided the additional information needed to select the screen intervals for the monitoring wells installed during the PD investigation. The screening data also helped define the VOC distribution along the plume's axis (MW-PD-12, MW-PD-14, and MW-PD-16) and at the boundaries of the plume (MW-PD-11, MW-PD-13, and MW-PD-17). In particular, screening data for MW-PD-16 showed higher concentrations of TCE (2,000 µg/L) than was previously detected in the downgradient area of the plume (870 µg/L). The screening data at MW-PD-15 suggests that the plume extends further west beyond this location.

### **3.3.2 Monitoring Well Sampling**

Results of the groundwater monitoring performed during the PD investigation at the LAI site are presented and discussed in this section. Two rounds of sampling were conducted. Round 1 documented baseline conditions at the start of the PD investigation and included sampling of 10 multiport monitoring wells installed during the RI and two existing monitoring wells; FG-01 and MW-05. Round 2 included the wells sampled in Round 1 plus seven conventional monitoring wells (MW-PD-11 through MW-PD-17) installed to refine VOC concentrations along the plume axis and the plume boundary. Results of Round 1 and Round 2 sampling are shown on Figures 3-3 and 3-4, respectively. Figures 2-3 through 2-7 show the revised plume geometry and boundary based on the results of the groundwater monitoring conducted during the Pre-Design investigation.

### 3.3.2.1 RD Round 1 (November 2007)

The Round 1 sampling event was performed to verify that the groundwater plume had not changed significantly since the last RI sampling, which was in May 2005. Round 1 was conducted in November 2007. The sampling team discovered that the sampling port MPW-02-A, the shallowest port, was not operational. The port was rehabilitated and a sample was eventually collected. However, the results for MPW-02-A were anomalous and it was determined that the port should be re-sampled. MPW-02 was re-sampled on March 6 through March 11, 2008. The March 2008 results were generally consistent with the previous RI results.

Overall, the results of the Round 1 sampling event did not indicate any significant differences in VOC distribution and plume geometry compared to the May 2005 sampling event. No modifications to the PD field program were necessary based on the Round 1 sampling results.

### 3.3.2.2 RD Round 2 (May 2008)

A total of 19 VOCs were detected in the Round 2 groundwater samples (Figure 3-4). However, concentrations of only four VOCs exceeded screening criteria: TCE, PCE, cis-1,2-DCE, and chloroform. With the exception of chloroform, which was detected in only one existing well (FG-01) outside of the plume boundary, TCE, PCE and cis-1,2-DCE are the primary contaminants associated with the plume and, therefore, are the focus of the discussion in this section.

TCE exceeded its screening criterion in 25 of the 49 Round 2 groundwater samples. TCE concentrations that exceeded the screening criteria range from 6.4 µg/L in MPW-05 to 1,900 µg/L in MW-PD-16. In general, the highest TCE concentrations occurred in monitoring wells along the approximate north-south axis of the plume, including MPW-02 located on the LAI facility (820 µg/L), MPW-04 (100 µg/L), MW-PD-12 (210 µg/L), MW-PD-14 (350 µg/L), MW-PD-16 (1,900 µg/L), MPW-09 (560 µg/L). TCE results for MW-PD-16 verify that the plume extends to a depth of at least -150 feet below msl. The RI indicated that the lower plume boundary near MPW-09 was not determined and that VOC contamination likely extended deeper than the terminal depth of MPW-09 (-120 feet below msl).

Lower concentrations of TCE (less than 100 µg/L) occur in the monitoring wells east and west of the approximate north-south axis of the plume: MPW-10 (59 µg/L), MPW-03 (16 µg/L), MPW-05 (8.4 µg/L), MW-PD-15 (35 µg/L) and MPW-08 (37 µg/L). TCE was not detected or was detected at low concentrations in wells that define the plume boundary including MW-PD-11 (not detected), MPW-06 (6.9 µg/L), MW-PD-13 (not detected) and MW-PD-17 (not detected). No significant TCE concentrations were detected in MPW-01, the upgradient background monitoring well.

PCE exceeded its screening criterion of 5 µg/L in 11 of the 49 samples collected in Round 2. PCE concentrations that exceeded the screening criterion ranged from 5.8

µg/L to 58 µg/L. The highest PCE concentration (58 µg/L) occurred in sample MPW-04-PD-B-R2. In general, when TCE was detected in a sample, PCE was also detected but at a lower concentration than TCE. Overall, the spatial distribution of PCE in the Round 2 groundwater samples is similar to the TCE distribution and is consistent with the PCE distribution defined in the RI Report.

*cis*-1,2-DCE was detected in 28 of the 49 samples; however, *cis*-1,2-DCE only exceeded its screening criterion (5 µg/L) in two monitoring wells, MW-PD-16 (13 µg/L) and MPW-09 (6.6 to 10 µg/L). The highest concentration of *cis*-1,2-DCE (13 µg/L) was detected in MW-PD-16, which also had the highest concentration of TCE (1,900 µg/L) detected in Round 2. In nearly all instances, when *cis*-1,2-DCE was detected in a sample, TCE was also detected. However, *cis*-1,2-DCE concentrations were frequently much lower than TCE concentrations. The low ratios of *cis*-1,2-DCE to TCE do not suggest that significant biological degradation of TCE is occurring in the plume. For example, the ratios of TCE to *cis*-1,2-DCE are 50:1 or greater in the monitoring wells with the highest concentrations of *cis*-1,2-DCE (MPW-09 and MW-PD-16). This is consistent with the RI Report, which indicated that relatively little degradation of TCE is occurring in the plume.

### **Summary**

Results of the Round 2 monitoring well sampling, which is the most comprehensive sampling event conducted at the site to date, provided additional data to refine the plume geometry and boundary. Figure 2-7 shows the revised TCE isoconcentration map based primarily on the Round 2 monitoring well data. Figure 2-3 shows a north-south cross-section of the plume based on the Round 2 data. Data for monitoring wells MW-PD-11, MW-PD-13, and MW-PD-17 (boundary wells) refined the east and west boundary of the plume. MW-PD-15 was also installed to define the northwest plume boundary, however, the Round 2 sampling results show that the plume likely extends further west beyond the location MW-PD-15.

Data for MW-PD-12, MW-PD-14, and MW-PD-16, installed to refine contaminant concentrations along the north-south axis of the plume, showed elevated concentrations of TCE. Specifically, the highest concentration of TCE (1,900 µg/L) in all monitoring well samples was detected in MW-PD-16. Significant, but lower, concentrations of TCE were detected in MW-PD-14 (350 µg/L) and MW-PD-12 (210 µg/L), refining the contaminant distribution between wells on the LAI facility (MPW-02 and MPW-07) and MPW-09, located near the northern end of the plume. However, the overall bi-lobed structure of the plume identified in the RI remains unchanged, with the highest concentrations of TCE occurring in two areas: below the LAI facility (MPW-07, 1,100 µg/L) and at MW-PD-16 (1,900 µg/L).

The RI indicated that the lower boundary of the plume at MPW-09 was not established and that VOC contamination likely extended deeper than the deepest sampling port of MPW-09 (-120 feet below msl). The Round 2 sampling and monitoring well screening results for MW-PD-16 indicate that the plume extends to

an elevation of at least -170 feet below msl (Figure 3-2) and likely extends to approximately 200 feet below msl at MW-PD-16 (Figure 2-3).

## **Section 4**

### **Conclusions**

#### **4.1 Updated Conceptual Site Model**

The updated conceptual site model (CSM) integrates the different types of information collected during the RI and the PD field Investigation and integrates them into a coherent generalized model of contaminant distribution and migration at the site. The CSM summarized below emphasizes the components relevant to the PD field work (groundwater flow and plume orientation). A complete discussion of the CSM is presented in the RI Report (CDM 2006a). A schematic diagram of the CSM is shown in Figure 4-1.

##### **4.1.1 Physical Setting and Groundwater Movement**

The LAI facility sits atop the Harbor Hill moraine at an elevation of about 225 feet above msl while Port Jefferson harbor is located to the north at an elevation close to sea level. Potentiometric data indicate a downward hydraulic gradient beneath the LAI facility. Groundwater in this area moves downward through the sediments of the Upper Glacial and Magothy aquifers as it moves laterally to the north toward Long Island Sound. Water level data collected during the PD is consistent with the general groundwater flow characteristics cited above.

##### **4.1.2 Groundwater Contamination and Movement**

Site contaminants released to the soil surface would be expected to infiltrate into the soil and move primarily downward, through the unsaturated zone. Chlorinated solvents such as PCE and TCE can move downward in the undissolved phase or dissolved in precipitation-derived water. When the undissolved solvents reach the groundwater they dissolve in the groundwater and move in the direction of groundwater flow. Based on the PD data, little evidence was discovered that undissolved solvent is present below the LAI facility. However, residual soil contamination might still exist in low permeability zones serving as sources for groundwater contamination based on the following considerations:

- High TCE concentrations in groundwater were detected at the site more than 20 years after known releases of the contaminants had stopped.
- The highest concentration of TCE (1,100 micrograms per liter [ $\mu\text{g/L}$ ]) was detected in the shallowest sample interval of a monitoring well on the LAI facility.
- Only a limited number of deep borings/monitoring wells have been advanced at the site, as deep drilling and sampling is difficult and costly.
- Residual soil contamination generally exists in sporadic, thin layers and has only been located at other sites with unique investigative tools and very closely spaced soil borings.

Following groundwater flow, the dissolved VOC plume is moving north from the facility towards Port Jefferson Harbor. Elevated concentrations of VOCs occur in the shallow groundwater at the southwest portion of the LAI facility. The VOC concentrations generally decrease as the plume moves north and increase again near the Port Jefferson High School Track and Old Mill Pond. The highest concentrations of VOCs were found in this area. The plume moves toward the surface under a significant upward hydrologic gradient in this area, resulting in discharge of VOCs to Old Mill Pond and Old Mill Stream.

This plume configuration may be related to the manner in which the release occurred (i.e., as a slug) or to the location of the monitoring wells relative to the centerline of the plume. Lower contaminant concentrations in the plume center could be a result of residual contamination or a continuous, lower-concentration release over time. The plume may also be moving through preferential flow zones, meaning areas of higher and lower contamination may be present between the wells.

Chlorinated VOCs such as TCE and PCE can be attenuated through a microbially-mediated anaerobic degradation process known as reductive dechlorination. As discussed previously, evidence that reductive dechlorination is occurring at the site is limited. Thus, significant attenuation of the plume is not expected to occur as a result of the reductive dechlorination process.

## 4.2 Conclusions

The following conclusions are made from the data collected during the PD investigation:

### Deep Soil Boring (Source Area) Investigation:

Consistent with the investigations performed previously at the site during the RI, the soil boring program did not identify the presence of any significant VOC sources in the subsurface soils.

### Groundwater (Plume) Investigation:

The groundwater investigation further characterized the extent and magnitude of the chlorinated VOC groundwater plume. The following were the main conclusions derived from the investigation.

- Soil boring groundwater screening results show that the plume extends further to the south (SBD-17 and SBD-18) than previously detected.
- VOCs along the plume axis (MW-PD-14, -12, and -16) show that the plume is continuous, although bi-lobed (i.e., with two hot spots)
- Data for monitoring wells MW-PD-11, MW-PD-13, and MW-PD-17 (boundary wells) refined the east and west boundary of the plume. MW-PD-15 was installed to define the northwest plume boundary, however, the Round 2 sampling results show that the plume likely extends further west beyond the location MW-PD-15.

- The plume in the downgradient area (MW-PD-16) extends deeper than previously detected, extending to at least -170 feet below msl and possibly to approximately 200 feet below msl or deeper.



## Section 5

### Acronyms

AES	Atomic Emission Spectroscopy
ARAR	Applicable or Relevant and Appropriate Requirement
ASTM	American Society of Testing and Materials
bgs	below ground surface
BHDEP	Brookhaven Department of Environmental Protection
CDM	CDM Federal Programs Corporation
CLP	Contract Laboratory Program
CRQL	Contract Required Quantitation Limit
Cr <sup>+6</sup>	Hexavalent chromium
CSM	Conceptual site model
DAR	Design Analysis Report
DCE	Dichloroethene
DESA	Division of Environmental Science and Assessment
DO	Dissolved Oxygen
EGIS	Environmental Geographic Information System
EPA	(United States) Environmental Protection Agency
ERRS	Emergency Response and Removal Section
FCR	Field Change Request Form
Ft/min	feet per minute
HCl	hydrochloric acid
HRS	Hazard Ranking System
ICP	Inductively Coupled Plasma
ID	inner diameter
IDW	investigation derived waste
ISCO	in-situ chemical oxidation
LAI	Lawrence Aviation Industries
ml	milliliter
MPW	multiport monitoring well
msl	mean sea level
MTBE	methyl tert butyl ether
MW-PD	conventional monitoring well - pre-design
NPDWS	National Primary Drinking Water Standards
NPL	National Priorities List
NTUs	Nephelometric Turbidity Units
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
NYWQS	New York Water Quality Standards
ORP	Oxidation and Reduction Potential
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene

PD	pre-design
PID	Photo-ionization Detector
PVC	polyvinyl chloride
QAPP	Quality Assurance Project Plan
RA	Remedial Action
RAC	Response Action Contract
RCRA	Resource Conservation and Recovery Act
RD	Remedial design
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
SBD	deep exterior soil boring
SBD-PD	deep soil boring - pre-design
SCDHS	Suffolk County Department of Health Services
SSG	soil screening guidance
TBC	To Be Considered
TCE	Trichloroethene
TCL	Target Compound List
The site	Lawrence Aviation Industries Site
TOC	Total Organic Carbon
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
VOC	Volatile Organic Compound
1,1-DCA	1,1-dichloroethane
1,1,1-TCA	1,1,1-trichloroethane
1,2-DCE	1,2-dichloroethene

## Section 6

### References

CDM. 2008. *90% Design Analysis Report*, Lawrence Aviation Industries Site, Port Jefferson Station, New York. TBD.

\_\_\_\_\_. 2007a. *LAI Remedial Design Work Plan, Volume I*, Lawrence Aviation Industries Site, Port Jefferson Station, New York. October.

\_\_\_\_\_. 2007b. *LAI Remedial Design Quality Assurance Project Plan (QAPP)*, Lawrence Aviation Industries Site, Port Jefferson Station, New York. October.

\_\_\_\_\_. 2006a. *Final Remedial Investigation Report*, Lawrence Aviation Industries Site, Port Jefferson Station, New York. March.

\_\_\_\_\_. 2006b. *Final Feasibility Study Report*, Lawrence Aviation Industries Site, Port Jefferson Station, New York. March.

\_\_\_\_\_. 2004a. Lawrence Aviation Industries, Port Jefferson Station, New York: Technical Memorandum. Outlying Parcel Soil Sampling Results. August.

\_\_\_\_\_. 2004b. Lawrence Aviation Industries, Port Jefferson Station, New York: Final Technical Memorandum. Field Screening Activities. June.

\_\_\_\_\_. 2000. Lawrence Aviation Industries, Port Jefferson Station, New York: Final Preliminary Remedial Investigation Report. May.

EPA 2002. Generic SSLs for the Residential and Commercial/Industrial Scenario, Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites, Appendix A-C. Accessed August 2007.  
<http://www.epa.gov/superfund/health/conmedia/soil/index.htm>

ERT 2007. Lawrence Aviation Industries Site, Port Jefferson Station, New York. Work Assignment EAC00242 – Trip Report. Soil Gas Sampling (July 2007). November 21.

Franke, O.L., and McClymonds, N.E., 1972. Summary of the Hydrologic Situation on Long Island, New York, as a Guide to Water-Management Alternatives. *Geological Survey Professional Paper 627-F*, 59 pp.

Koszalka, E.J., 1984. Geohydrology of the northern part of the Town of Brookhaven, Suffolk County, New York. *USGS Water-Resources Investigations Report 83-4042*. 37p.

Suffolk County Department of Health Services (SCDHS), 1981. Affidavit, Re: Lawrence Aviation Industries, Inc.; written by Robert C. Olsen, 25 pp.

Weston, R.F., 1999. Hazard Ranking System Documentation Package, Lawrence Aviation Industries, Inc., Port Jefferson Station, Suffolk County, New York. pp 47.

**Table 1-1**  
**Deep Soil Boring Sample Summary**  
**Remedial Design**  
**Lawrence Aviation Industries Superfund Site**  
**Port Jefferson Station, New York**

CDM Sample ID	Easting (X) <sup>1</sup>	Northing (Y) <sup>1</sup>	Surface Elevation (ft amsl)	CLP ID	Sample Date	Sample Time	Depth (ft)	Analysis <sup>2</sup>	Comments
SBD-PD-16-A	278509.4	1241569.8	228.8	B4JM3	12/27/2007	8:45	8-10	TCL VOC, TOC, Grain Size	
SBD-PD-16-B	278509.4	1241569.8	228.8	B4JM4	12/27/2007	9:20	18-20	TCL VOC, TOC, Grain Size	
SBD-PD-61-B	278509.4	1241569.8	228.8	B4K01	12/27/2007	9:20	18-20	TCL VOC, TOC, Grain Size	Duplicate of SBD-PD-16-B
SBD-PD-16-C	278509.4	1241569.8	228.8	B4JM5	12/27/2007	9:50	28-30	TCL VOC, TOC, Grain Size	
SBD-PD-16-D	278509.4	1241569.8	228.8	B4JM6	12/27/2007	11:00	38-40	TCL VOC, TOC, Grain Size	
SBD-PD-16-E	278509.4	1241569.8	228.8	B4JM7	12/27/2007	11:35	48-50	TCL VOC, TOC, Grain Size	
SBD-PD-16-F	278509.4	1241569.8	228.8	B4JM8	12/27/2007	13:40	58-60	TCL VOC, TOC, Grain Size	
SBD-PD-16-G	278509.4	1241569.8	228.8	B4JM9	12/27/2007	14:30	70-72	TCL VOC, TOC, Grain Size	
SBD-PD-16-H	278509.4	1241569.8	228.8	B4JN0	12/28/2007	9:25	78-80	TCL VOC, TOC, Grain Size	
SBD-PD-16-I	278509.4	1241569.8	228.8	B4JN1	12/28/2007	10:00	88-90	TCL VOC, TOC, Grain Size	
SBD-PD-16-J	278509.4	1241569.8	228.8	B4JN2	12/28/2007	10:40	98-100	TCL VOC, TOC, Grain Size	
SBD-PD-16-K	278509.4	1241569.8	228.8	B4JN3	12/28/2007	11:20	108-110	TCL VOC, TOC, Grain Size	
SBD-PD-16-L	278509.4	1241569.8	228.8	B4JN4	12/28/2007	13:30	118-120	TCL VOC, TOC, Grain Size	
SBD-PD-16-M	278509.4	1241569.8	228.8	B4JN5	12/28/2007	14:10	128-130	TCL VOC, TOC, Grain Size	
SBD-PD-16-N	278509.4	1241569.8	228.8	B4JN6	1/2/2008	9:10	138-140	TCL VOC, TOC, Grain Size	
SBD-PD-16-O	278509.4	1241569.8	228.8	B4JN7	1/2/2008	9:25	148-150	TCL VOC, TOC, Grain Size	
SBD-PD-16-P	278509.4	1241569.8	228.8	B4JN8	1/2/2008	9:35	158-160	TCL VOC, TOC	
SBD-PD-61-P	278509.4	1241569.8	228.8	B4K02	1/2/2008	9:35	158-160	TCL VOC, TOC	Duplicate of SBD-PD-16-P
SBD-PD-16-Q	278509.4	1241569.8	228.8	B4JN9	1/2/2008	10:00	168-170	TCL VOC, TOC	
SBD-PD-16-R	278509.4	1241569.8	228.8	B4JP0	1/2/2008	10:30	178-180	TCL VOC, TOC, Grain Size	
SBD-PD-16-S	278509.4	1241569.8	228.8	B4JP1	1/2/2008	10:45	188-190	TCL VOC, TOC, Grain Size	
SBD-PD-16-T	278509.4	1241569.8	228.8	B4JP2	1/2/2008	11:05	198-200	TCL VOC, TOC, Grain Size	
SBD-PD-16-U	278509.4	1241569.8	228.8	B4JP3	1/2/2008	13:35	212-214	TCL VOC, TOC, Grain Size	
SBD-PD-16-V	278509.4	1241569.8	228.8	B4JP4	1/3/2008	10:50	218-220	TCL VOC, TOC, Grain Size	
SBD-PD-16-W	278509.4	1241569.8	228.8	B4JP5	1/3/2008	14:00	230-232	TCL VOC, TOC, Grain Size	
SBD-PD-16-X	278509.4	1241569.8	228.8	B4JP6	1/3/2008	14:20	240-242	TCL VOC, TOC, Grain Size	
SBD-PD-16-Y	278509.4	1241569.8	228.8	B4JP7	1/3/2008	14:45	248-250	TCL VOC, TOC, Grain Size	
SBD-PD-16-Z	278509.4	1241569.8	228.8	B4JP8	1/3/2008	14:55	258-260	TCL VOC, TOC, Grain Size	
SBD-PD-17-A	278714.6	1241467.9	228.5	B4JP9	1/7/2008	11:10	8-10	TCL VOC, TOC, Grain Size	
SBD-PD-17-B	278714.6	1241467.9	228.5	B4JQ0	1/7/2008	11:30	18-20	TCL VOC, TOC, Grain Size	
SBD-PD-17-C	278714.6	1241467.9	228.5	B4JQ1	1/7/2008	11:45	28-30	TCL VOC, TOC, Grain Size	
SBD-PD-71-C	278714.6	1241467.9	228.5	B4K03	1/7/2008	11:45	28-30	TCL VOC, TOC, Grain Size	Duplicate of SBD-PD-17-C

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CDM Sample ID	Easting (X) <sup>1</sup>	Northing (Y) <sup>1</sup>	Surface Elevation (ft amsl)	CLP ID	Sample Date	Sample Time	Depth (ft)	Analysis <sup>2</sup>	Comments
SBD-PD-17-D	278714.6	1241467.9	228.5	B4JQ2	1/7/2008	13:25	38-40	TCL VOC, TOC, Grain Size	
SBD-PD-17-E	278714.6	1241467.9	228.5	B4JQ3	1/7/2008	13:45	48-50	TCL VOC, TOC, Grain Size	
SBD-PD-17-F	278714.6	1241467.9	228.5	B4JQ4	1/7/2008	13:55	58-60	TCL VOC, TOC, Grain Size	
SBD-PD-17-G	278714.6	1241467.9	228.5	B4JQ5	1/7/2008	14:05	68-70	TCL VOC, TOC, Grain Size	
SBD-PD-17-H	278714.6	1241467.9	228.5	B4JQ6	1/7/2008	14:15	78-80	TCL VOC, TOC, Grain Size	
SBD-PD-17-I	278714.6	1241467.9	228.5	B4JQ7	1/7/2008	14:30	88-90	TCL VOC, TOC, Grain Size	
SBD-PD-17-J	278714.6	1241467.9	228.5	B4JQ8	1/7/2008	14:40	98-100	TCL VOC, TOC, Grain Size	
SBD-PD-17-K	278714.6	1241467.9	228.5	B4JQ9	1/8/2008	8:45	108-110	TCL VOC, TOC, Grain Size	
SBD-PD-17-L	278714.6	1241467.9	228.5	B4JR0	1/8/2008	8:55	118-120	TCL VOC, TOC, Grain Size	
SBD-PD-17-M	278714.6	1241467.9	228.5	B4JR1	1/8/2008	9:10	128-130	TCL VOC, TOC, Grain Size	
SBD-PD-17-N	278714.6	1241467.9	228.5	B4JR2	1/8/2008	9:25	138-140	TCL VOC, TOC, Grain Size	
SBD-PD-17-O	278714.6	1241467.9	228.5	B4JR3	1/8/2008	9:40	148-150	TCL VOC, TOC, Grain Size	
SBD-PD-17-P	278714.6	1241467.9	228.5	B4JR4	1/8/2008	9:55	158-160	TCL VOC, TOC, Grain Size	
SBD-PD-17-Q	278714.6	1241467.9	228.5	B4JR5	1/8/2008	10:10	168-170	TCL VOC, TOC, Grain Size	
SBD-PD-17-R	278714.6	1241467.9	228.5	B4JR6	1/8/2008	11:30	178-180	TCL VOC, TOC, Grain Size	
SBD-PD-17-S	278714.6	1241467.9	228.5	B4JR7	1/8/2008	13:00	188-190	TCL VOC, TOC, Grain Size	
SBD-PD-17-T	278714.6	1241467.9	228.5	B4JR8	1/8/2008	13:30	198-200	TCL VOC, TOC, Grain Size	
SBD-PD-17-U	278714.6	1241467.9	228.5	B4JR9	1/9/2008	9:40	208-210	TCL VOC, TOC, Grain Size	
SBD-PD-17-V	278714.6	1241467.9	228.5	B4JS0	1/9/2008	14:25	218-220	TCL VOC, TOC, Grain Size	
SBD-PD-17-W	278714.6	1241467.9	228.5	B4JS1	1/9/2008	14:40	228-230	TCL VOC, TOC, Grain Size	
SBD-PD-17-X	278714.6	1241467.9	228.5	B4JS2	1/9/2008	14:50	238-240	TCL VOC, TOC, Grain Size	
SBD-PD-71-X	278714.6	1241467.9	228.5	B4K04	1/9/2008	14:50	238-240	TCL VOC, TOC, Grain Size	Duplicate of SBD-PD-17-X
SBD-PD-17-Y	278714.6	1241467.9	228.5	B4JS3	1/9/2008	15:15	248-250	TCL VOC, TOC, Grain Size	
SBD-PD-17-Z	278714.6	1241467.9	228.5	B4JS4	1/9/2008	15:25	258-260	TCL VOC, TOC, Grain Size	
SBD-PD-18-A	278571.6	1241479.3	228.9	B4JS5	12/17/2007	11:20	8-10	TCL VOC, TOC, Grain Size	
SBD-PD-18-B	278571.6	1241479.3	228.9	B4JS6	12/17/2007	13:40	18-20	TCL VOC, TOC, Grain Size	
SBD-PD-18-C	278571.6	1241479.3	228.9	B4JS7	12/17/2007	13:50	28-30	TCL VOC, TOC, Grain Size	
SBD-PD-18-D	278571.6	1241479.3	228.9	B4JS8	12/17/2007	14:10	38-40	TCL VOC, TOC, Grain Size	
SBD-PD-81-D	278571.6	1241479.3	228.9	B4K05	12/17/2007	14:10	38-40	TCL VOC, TOC, Grain Size	Duplicate of SBD-PD-18-D
SBD-PD-18-E	278571.6	1241479.3	228.9	B4JS9	12/17/2007	14:25	48-50	TCL VOC, TOC, Grain Size	
SBD-PD-18-F	278571.6	1241479.3	228.9	B4JT0	12/18/2007	9:35	58-60	TCL VOC, TOC, Grain Size	
SBD-PD-18-G	278571.6	1241479.3	228.9	B4JT1	12/18/2007	9:55	68-70	TCL VOC, TOC, Grain Size	

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**Port Jefferson Station, New York**

CDM Sample ID	Easting (X) <sup>1</sup>	Northing (Y) <sup>1</sup>	Surface Elevation (ft amsl)	CLP ID	Sample Date	Sample Time	Depth (ft)	Analysis <sup>2</sup>	Comments
SBD-PD-18-I	278571.6	1241479.3	228.9	B4JT3	12/18/2007	15:10	88-90	TCL VOC, TOC, Grain Size	
SBD-PD-18-J	278571.6	1241479.3	228.9	B4JT4	12/19/2007	8:30	98-100	TCL VOC, TOC, Grain Size	
SBD-PD-18-K	278571.6	1241479.3	228.9	B4JT5	12/19/2007	8:45	108-110	TCL VOC, TOC, Grain Size	
SBD-PD-18-L	278571.6	1241479.3	228.9	B4JT6	12/19/2007	9:05	118-120	TCL VOC, TOC, Grain Size	
SBD-PD-18-M	278571.6	1241479.3	228.9	B4JT7	12/19/2007	9:35	128-130	TCL VOC, TOC, Grain Size	
SBD-PD-18-N	278571.6	1241479.3	228.9	B4JT8	12/19/2007	10:00	138-140	TCL VOC, TOC, Grain Size	
SBD-PD-18-O	278571.6	1241479.3	228.9	B4JT9	12/19/2007	10:15	148-150	TCL VOC, TOC, Grain Size	
SBD-PD-18-P	278571.6	1241479.3	228.9	B4JW0	12/19/2007	10:30	158-160	TCL VOC, TOC, Grain Size	
SBD-PD-18-Q	278571.6	1241479.3	228.9	B4JW1	12/19/2007	10:50	168-170	TCL VOC, TOC, Grain Size	
SBD-PD-18-R	278571.6	1241479.3	228.9	B4JW2	12/19/2007	13:00	178-180	TCL VOC, TOC, Grain Size	
SBD-PD-18-S	278571.6	1241479.3	228.9	B4JW3	12/19/2007	13:20	188-190	TCL VOC, TOC, Grain Size	
SBD-PD-18-T	278571.6	1241479.3	228.9	B4JW4	12/19/2007	13:45	198-200	TCL VOC, TOC, Grain Size	
SBD-PD-18-U	278571.6	1241479.3	228.9	B4JW5	12/20/2007	9:10	208-210	TCL VOC, TOC, Grain Size	
SBD-PD-18-V	278571.6	1241479.3	228.9	B4JW6	12/21/2007	9:35	218-220	TCL VOC, TOC, Grain Size	
SBD-PD-18-W	278571.6	1241479.3	228.9	B4JW7	12/21/2007	9:45	228-230	TCL VOC, TOC, Grain Size	
SBD-PD-18-X	278571.6	1241479.3	228.9	B4JW8	12/21/2007	10:05	238-240	TCL VOC, TOC, Grain Size	
SBD-PD-18-Y	278571.6	1241479.3	228.9	B4JW9	12/21/2007	10:15	248-250	TCL VOC, TOC, Grain Size	
SBD-PD-18-Z	278571.6	1241479.3	228.9	B4JX0	12/21/2007	10:25	258-260	TCL VOC, TOC, Grain Size	
SBD-PD-19-A	278915.2	1241579.8	229.2	B4JX3	12/5/2007	12:50	8-10	TCL VOC, Grain Size	
SBD-PD-91-A	278915.2	1241579.8	229.2	B4K06	12/5/2007	12:50	8-10	TCL VOC, Grain Size	Duplicate of SBD-PD-19-A
SBD-PD-19-B	278915.2	1241579.8	229.2	B4JX4	12/5/2007	13:10	18-20	TCL VOC, Grain Size	
SBD-PD-19-C	278915.2	1241579.8	229.2	B4JX5	12/5/2007	13:30	28-30	TCL VOC, Grain Size	
SBD-PD-19-D	278915.2	1241579.8	229.2	B4JX6	12/5/2007	13:50	38-40	TCL VOC, Grain Size	
SBD-PD-19-E	278915.2	1241579.8	229.2	B4JX7	12/5/2007	14:50	48-50	TCL VOC, Grain Size	
SBD-PD-19-F	278915.2	1241579.8	229.2	B4JX8	12/5/2007	15:00	58-60	TCL VOC, Grain Size	
SBD-PD-19-G	278915.2	1241579.8	229.2	B4JX9	12/5/2007	15:15	68-70	TCL VOC, Grain Size	
SBD-PD-19-H	278915.2	1241579.8	229.2	B4JY0	12/5/2007	15:25	78-80	TCL VOC, Grain Size	
SBD-PD-19-I	278915.2	1241579.8	229.2	B4JY1	12/5/2007	15:55	88-90	TCL VOC, Grain Size	
SBD-PD-19-J	278915.2	1241579.8	229.2	B4JY2	12/5/2007	16:10	98-100	TCL VOC, Grain Size	
SBD-PD-19-K	278915.2	1241579.8	229.2	B4JY3	12/6/2007	9:05	108-110	TCL VOC, Grain Size	
SBD-PD-19-L	278915.2	1241579.8	229.2	B4JY4	12/6/2007	9:35	118-120	TCL VOC, Grain Size	
SBD-PD-19-M	278915.2	1241579.8	229.2	B4JY5	12/6/2007	9:55	128-130	TCL VOC, Grain Size	

**Table 1-1**  
**Deep Soil Boring Sample Summary**  
**Remedial Design**  
**Lawrence Aviation Industries Superfund Site**  
**Port Jefferson Station, New York**

CDM Sample ID	Easting (X) <sup>1</sup>	Northing (Y) <sup>1</sup>	Surface Elevation (ft amsl)	CLP ID	Sample Date	Sample Time	Depth (ft)	Analysis <sup>2</sup>	Comments
SBD-PD-19-N	278915.2	1241579.8	229.2	B4JY6	12/6/2007	11:10	138-140	TCL VOC, Grain Size	
SBD-PD-19-P	278915.2	1241579.8	229.2	B4JY8	12/7/2007	10:00	158-160	TCL VOC, Grain Size	
SBD-PD-19-Q	278915.2	1241579.8	229.2	B4JY9	12/7/2007	10:25	168-170	TCL VOC, Grain Size	
SBD-PD-19-R	278915.2	1241579.8	229.2	B4JZ0	12/7/2007	10:45	178-180	TCL VOC, Grain Size	
SBD-PD-19-S	278915.2	1241579.8	229.2	B4JZ1	12/7/2007	11:00	188-190	TCL VOC, Grain Size	
SBD-PD-19-T	278915.2	1241579.8	229.2	B4JZ2	12/7/2007	11:35	198-200	TCL VOC, Grain Size	
SBD-PD-19-U	278915.2	1241579.8	229.2	B4JZ3	12/11/2007	8:35	210-212	TCL VOC, Grain Size	
SBD-PD-19-V	278915.2	1241579.8	229.2	B4JZ4	12/11/2007	8:55	220-222	TCL VOC, Grain Size	
SBD-PD-19-W	278915.2	1241579.8	229.2	B4JZ5	12/11/2007	14:05	228-230	TCL VOC, Grain Size	
SBD-PD-19-X	278915.2	1241579.8	229.2	B4JZ6	12/11/2007	14:20	238-240	TCL VOC, Grain Size	
SBD-PD-19-Y	278915.2	1241579.8	229.2	B4JZ7	12/11/2007	14:40	248-250	TCL VOC, TOC, Grain Size	
SBD-PD-19-Z	278915.2	1241579.8	229.2	B4JZ8	12/11/2007	15:05	258-260	TCL VOC, TOC, Grain Size	

**Notes:**

<sup>1</sup> - Horizontal Datum: NAD 93-96 (NYLI Zone 3104); Vertical Datum: NAVD 88; Units: U.S. Survey Feet

<sup>2</sup> - TCL VOC used modified analysis #1505.1

**Acronyms:**

amsl - above mean sea level

CLP - Contract Laboratory Program

ft - feet

ID - Identification

TCL - Target Compound List

TOC - Total Organic Carbon

VOC - Volatile Organic Compounds



**Table 1-2**  
**Groundwater Screening Sample Summary**  
**Remedial Design**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Well ID	Zone	Sample ID	Depth to Water (TIC)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Pump Intake Depth (feet bgs)	Purge Start Date/Time	Volume Purged (Liters)	Flow Rate (L/min)	Sample Date/Time	pH	Specific Conductance (mS/cm <sup>c</sup> )	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Analysis	Notes
SBD-PD-16	A	SBD-PD-16-GW-A	NA*	201	206	203	1/2/2008 14:30	40	0.5	1/2/08 15:20	5.80	0.477	9.02	18.51	196.4	50	TCL VOCs	
SBD-PD-16	B	SBD-PD-16-GW-B	NA*	212	217	215	1/3/2008 11:35	55	0.5	1/3/08 12:25	5.70	0.449	8.23	14.90	213.3	75.9	TCL VOCs	
SBD-PD-17	A	SBD-PD-17-GW-A	190.77	192	197	195	1/8/2008 14:48	15	0.5	1/8/08 15:45	5.82	0.346	5.40	17.39	225.7	49	TCL VOCs	
SBD-PD-17	B	SBD-PD-17-GW-B	NA*	202	207	205	1/9/2008 10:54	40	0.5	1/9/08 12:15	5.59	0.280	7.40	18.44	207.7	55.9	TCL VOCs	
SBD-PD-18	A	SBD-PD-18-GW-A	191.4	192	197	195	12/19/2007 15:00	16	0.35	12/19/07 15:45	6.10	0.467	4.64	17.97	207.5	60	TCL VOCs	
SBD-PD-18	B	SBD-PD-18-GW-B	191.25	202	207	205	12/20/2007 14:08	32	0.5	12/20/07 15:10	5.85	0.509	6.91	17.59	222	22	TCL VOCs	
SBD-PD-19	A	SBD-PD-19-GW-A	192.7	202	207	205	12/10/2007 14:25	25	0.5	12/10/07 15:15	5.80	0.316	3.90	19.22	79.6	38	TCL VOCs	
SBD-PD-19	B	SBD-PD-19-GW-B	193	212	217	215	12/11/2007 9:58	31	0.5	12/11/07 11:55	6.02	0.453	4.63	15.20	198.9	85	TCL VOCs	
MW-PD-11	A	MW-PD-11-GW-A	137.3	185	190	187	1/15/2008 15:05	400	0.2	1/16/08 9:10	6.23	1.093	0.50	6.83	37.7	3.88	TCL VOCs	
MW-PD-11	B	MW-PD-11-GW-B	139.05	195	200	197	1/16/2008 11:35	27	0.3	1/16/08 13:10	6.24	0.614	0.10	15.68	-14.9	>500	TCL VOCs	
MW-PD-11	C	MW-PD-11-GW-C	148.5	205	210	207	1/16/2008 14:35	27	0.3	1/16/08 16:10	6.43	0.422	0.11	15.46	-46.6	>999	TCL VOCs	
MW-PD-12	AAA	MW-PD-12-GW-AAA	NA*	150	155	153	2/6/2008 13:10	130	1.0	2/6/08 15:15	5.56	0.215	5.57	16.40	178.6	47	TCL VOCs	
MW-PD-12	AA	MW-PD-12-GW-AA	NA*	180	185	183	2/6/2008 9:41	95	2.0	2/6/08 11:00	5.90	0.231	3.93	16.33	158.6	750	TCL VOCs	Collected duplicate MW-PD-21-GW-AA
MW-PD-12	A	MW-PD-12-GW-A	170	210	215	213	1/24/2008 12:05	16	0.4	1/24/08 14:15	6.20	0.329	1.57	11.14	79.3	>500	TCL VOCs	
MW-PD-12	B	MW-PD-12-GW-B	118.2	240	245	243	1/31/2008 11:00	600	1.5	1/31/08 16:15	5.92	0.206	3.48	12.63	214.6	10.9	TCL VOCs	MS/MSD
MW-PD-12	C	MW-PD-12-GW-C	121.25	270	275	273	2/4/08 13:15	1600	2.0	2/5/08 16:00	5.80	0.259	8.14	13.24	234	9.4	TCL VOCs	
MW-PD-13	A	MW-PD-13-GW-A	NA*	160	165	163	5/20/2008 10:00	100	1.0	5/20/2008 11:45	5.54	0.382	2.96	16.83	160.3	>100	TCL VOCs	
MW-PD-13	B	MW-PD-13-GW-B	150	180	185	183	5/20/2008 8:00	80	1.0	5/20/2008 9:50	5.67	0.209	3.81	16.58	218.7	<10	TCL VOCs	
MW-PD-13	C	MW-PD-13-GW-C	NA*	210	215	213	5/19/2008 8:30	600	1.0	5/19/2008 17:30	5.13	0.206	4.18	14.90	212.3	<10	TCL VOCs	MS/MSD
MW-PD-14	A	MW-PD-14-GW-A	154.4	210	215	213	4/9/2008 9:25	750	0.1	4/9/08 16:55	5.91	0.213	0.13	16.37	224.6	6.6	TCL VOCs	Collected duplicate MW-PD-41-GW-A
MW-PD-14	B	MW-PD-14-GW-B	154.9	240	245	243	4/10/2008 10:35	450	0.5	4/11/08 10:40	5.99	0.228	1.53	17.30	238.2	5.3	TCL VOCs	MS/MSD
MW-PD-14	C	MW-PD-14-GW-C	NA*	270	275	273	4/23/2008 10:30	120	1.0	4/23/2008 12:30	6.03	0.220	3.12	17.36	164.5	>999	TCL VOCs	
MW-PD-14	D	MW-PD-14-GW-D	157.45	300	305	303	4/22/2008 17:40	190	1.0	4/23/2008 9:30	5.57	0.221	3.09	15.28	149.3	>999	TCL VOCs	
MW-PD-15	A	MW-PD-15-GW-A	NA*	150	155	153	5/7/2008 10:50	6	1.0	5/7/2008 11:55	5.02	0.152	0.08	15.85	205.3	>250	TCL VOCs	
MW-PD-15	B	MW-PD-15-GW-B	NA*	180	185	183	5/7/2008 9:30	6	1.0	5/7/2008 10:30	5.87	0.148	0.07	15.37	209.1	55.8	TCL VOCs	
MW-PD-15	C	MW-PD-15-GW-C	NA*	210	215	212.5	5/6/2008 17:00	450	0.5	5/7/2008 8:10	6.18	0.273	0.10	13.21	220.1	10.3	TCL VOCs	
MW-PD-16	A	MW-PD-16-GW-A	NA*	105	110	103	2/21/2008 11:57	230	1.6-0.4	2/21/08 13:45	5.91	0.252	5.37	11.85	185	>999	TCL VOCs	
MW-PD-16	B	MW-PD-16-GW-B	NA*	135	140	133	2/21/2008 15:59	530	2.5	2/21/08 18:40	6.09	0.257	8.88	12.03	211.6	>999	TCL VOCs	
MW-PD-16	C	MW-PD-16-GW-C	74.45	165	170	167	2/25/2008 10:15	210	3.0	2/25/08 14:00	5.86	0.323	2.55	12.87	210.6	5.3	TCL VOCs	
MW-PD-16	D	MW-PD-16-GW-D	NA	195	200	197	2/28/2008 13:25	800	2.5	2/28/08 17:00	5.69	0.603	2.56	12.51	225	>999	TCL VOCs	Collected duplicate MW-PD-61-GW-D
MW-PD-16	E	MW-PD-16-GW-E	NA	225	230	227	3/4/2008 9:02	600	1.0	3/5/08 15:00	5.69	0.354	3.07	12.86	194	>999	TCL VOCs	
MW-PD-16	F	MW-PD-16-GW-F	NA	245	250	247	3/6/2008 13:46	500	1.1	3/7/08 12:30	5.65	0.289	3.51	11.96	170.2	>999	TCL VOCs	
MW-PD-17	A	MW-PD-17-GW-A	8.5	70	75	73	2/12/2008 12:00	185	1.0	2/12/08 15:00	6.41	0.223	7.81	10.18	198.8	67	TCL VOCs	
MW-PD-17	B	MW-PD-17-GW-B	8.6	80	85	83	2/13/2008 10:20	720	4.0	2/13/08 13:30	5.36	0.182	5.36	11.86	195.6	64	TCL VOCs	
MW-PD-17	C	MW-PD-17-GW-C	NA	90	95	93	2/13/2008 14:30	650	4.0	2/13/08 17:00	6.12	0.076	4.93	11.45	179	20.7	TCL VOCs	

**Notes:**

<sup>1</sup> - Water level meter was unable to reach depth to water table

**Acronyms:**

°C - degrees Celcius

bgs - below ground surface

ID - identification

L/min - liters per minute

LDL - lower detection limit

mg/L - milligrams per liter

mS/cm - microseimens per centimeter

mS/cm<sup>c</sup> - specific conductance (specific conductivity at 25 °C)

MS/MSD - Matrix Spike/Matrix Spike Duplicate

mV - millivolts

MW - Monitoring Well

NA - Not Available

NTU - Nephelometric Turbidity Units

TCL VOCs - Target Analyte List Volatile Organic Compounds - OLMO4.3

TIC - top of inner casing

Table 1-3  
Monitoring Well Construction Details  
Remedial Design  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

Well	Elevation <sup>1</sup> Ground Surface (ft above msl)	Elevation <sup>1</sup> Top of Casing (ft above msl)	Easting X <sup>1</sup>	Northing Y <sup>1</sup>	Riser Diameter (inches)	Riser Type	Riser Interval (ft bgs)	Grout Type	Grout Interval (ft bgs)	Seal Type	Seal Interval (ft bgs)	Sand Pack Type	Sand Pack Interval (ft bgs)	Screen Diameter (inches)	Screen Type	Screen Interval (ft bgs)		Screen Interval (Elevation) <sup>1</sup>	
																Top	Bottom	Top	Bottom
MW-PD-11	164.4	164.9	280312.5	1239752.5	4	Stainless Steel	0-195	Cement/Bentonite	0-185	Bentonite Slurry	185-190	#1 Sand	190-205	4	0.010 inch	195	205	-30.6	-40.6
MW-PD-12	143.1	142.7	280706.4	1240644.6	4	Stainless Steel	0-150	Cement/Bentonite	0-140	Bentonite Slurry	140-145	#1 Sand	145-165	4	0.010 inch	150	160	-6.9	-16.9
MW-PD-13	177.3	176.9	281370.7	1241574.8	4	Stainless Steel	0-175	Cement/Bentonite	0-165	Bentonite Slurry	165-170	#1 Sand	170-185	4	0.010 inch	175	185	2.3	-7.7
MW-PD-14	178.2	177.6	282166.2	1240627.5	4	Stainless Steel	0-239	Cement/Bentonite	0-229	Bentonite Slurry	229-234	#1 Sand	234-249	4	0.010 inch	239	249	-60.8	-70.8
MW-PD-15	95.5	95.3	284168.4	1239734.7	4	Stainless Steel	0-204	Cement/Bentonite	0-194	Bentonite Slurry	194-199	#1 Sand	199-214	4	0.010 inch	204	214	-108.5	-118.5
MW-PD-16	86.3	86.1	283265.3	1240340.9	4	Stainless Steel	0-190	Cement/Bentonite	0-175	Bentonite Slurry	175-185	#1 Sand	185-200	4	0.010 inch	190	200	-103.7	-113.7
MW-PD-17	25.5	24.7	283697.9	1241728.6	4	Stainless Steel	0-80	Cement/Bentonite	0-60	Bentonite Slurry	60-73	#1 Sand	73-90	4	0.010 inch	80	90	-54.5	-64.5

Notes:  
<sup>1</sup> - Horizontal Datum: NAD 93-96 (NYLI Zone 3104); Vertical Datum: NAVD 88; Units: U.S. Survey Feet  
**Acronyms:**  
bgs - below ground surface  
ft - feet  
msl - mean sea level

**Table 1-4**  
**Well Development Summary**  
**Remedial Design**  
**Lawrence Aviation Industries Superfund Site**  
**Port Jefferson Station, New York**

Well	Screened Interval (feet bgs)	Development Date	Development Duration (minutes)	Development Rate (gpm)	pH	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation-Reduction Potential (mV)	Turbidity (NTU)
MW-PD-11	195-205	3/3/2008	170	5.5	6.21	3.15	0.00	12.95	158.80	22
MW-PD-12	150-160	3/4/2008	130	6.6	5.79	0.222	8.96	12.17	196.7	32
MW-PD-13	175-185	5/22/2008	75	12-13	6.20	0.192	10.63	12.20	127.4	<10
MW-PD-14	239-249	5/5/2008	180	3-4	5.71	0.253	0.14	12.99	177.2	<10
MW-PD-15	204-214	5/14/2008	80	14-15	6.06	0.301	1.95	11.89	140.7	7.76
MW-PD-16	190-200	4/3/2008	300	5.1	5.42	0.600	2.81	11.38	225.9	64.2
MW-PD-17	80-90	3/5/2008	110	9.3	6.99	0.137	8.41	11.54	129.0	23.1

**Acronyms:**

°C - degrees Celcius

bgs - below ground surface

ID - identification

gpm - gallons per minute

mg/L - milligrams per liter

mS/cm - microseimens per centimeter (data normalized to 25 °C)

mV - millivolts

MW - Monitoring Well

NTU - Nephelometric Turbidity Units

**Table 1-5**  
**Synoptic Water Levels**  
**Remedial Design**  
**Lawrence Aviation Industries Superfund Site**  
**Port Jefferson Station, New York**

Well	March 7, 2005				April 25, 2005				December 13, 2007				June 9, 2008			
	Transducer Reading (Dg)	Temperature (°C)	Depth to Water (feet)	Water Level Elevation (feet amsl)	Transducer Reading (Dg)	Temperature (°C)	Depth to Water (feet)	Water Level Elevation (feet amsl)	Transducer Reading (Dg)	Temperature (°C)	Depth to Water (feet)	Water Level Elevation (feet amsl)	Transducer Reading (Dg)	Temperature (°C)	Depth to Water (feet)	Water Level Elevation (feet amsl)
MPW-01-A	8395.6	11.4	141.65	41.75	8405.2	11	142.18	41.22	8327.3	11.5	154.17	44.91	8368.6	11.6	140.36	43.04
MPW-01-B	7873.1	11.4	142.24	41.16	7881.5	11.4	142.73	40.67	7801.1	11.4	178.77	44.53	7842.9	11.5	140.74	42.66
MPW-01-C	7295.2	11.2	142.45	40.95	7304.6	11.3	142.98	40.42	7225.5	11.2	201.47	44.32	7264.3	11.2	140.95	42.45
MPW-02-A	8654.7	11.1	185.52	35.5	8662.6	12.1	185.96	35.06	8598.1	11.9	183.27	38.46	8630.2	11	184.04	36.98
MPW-02-B	7751.8	11.5	186.1	34.92	7760.5	11.6	186.56	34.46	7692.9	11.4	206.27	37.93	7726.6	11.4	184.57	36.45
MPW-02-C	7722.3	11.3	188.68	32.34	7729.9	11.2	189.1	31.92	7662.6	11.1	234.07	35.32	7697.5	11.1	187.41	33.61
MPW-02-D	6940.1	11.2	189.15	31.87	6947.9	10.9	189.56	31.46	6878.5	10.8	258.87	34.81	6914.9	10.8	187.92	33.1
MPW-03-A	8541.7	10.6	159.11	30.62	8548.0	10.6	159.48	30.25	*	*	*	*	8522.2	10.5	157.96	31.77
MPW-03-B	8145.4	10.3	159.47	30.26	8152.6	10.4	159.86	29.87	8100.2	10.4	156.91	32.82	8130.8	10.4	158.5	31.23
MPW-03-C	6891.6	10.4	159.73	30	6898.4	10.3	160.1	29.63	6844	10.4	156.91	32.82	6874.6	10.4	158.5	31.23
MPW-03-D	6505	10.5	158.96	30.77	6512.6	10.4	159.31	30.42	6451.8	10.4	156.37	33.36	6488.3	10.4	157.97	31.76
MPW-04-A	8491.5	12.6	146.33	30.9	8500.3	12.6	146.84	30.39	8438.8	12.9	143.6	33.63	8471.8	13	145.22	32.01
MPW-04-B	8200.1	12.9	146.63	30.6	8207.7	12.8	147.14	30.09	8156.1	10.6	144.02	33.21	8184.4	10.6	145.64	31.59
MPW-04-C	7531.4	12.2	147.05	30.18	7539.3	12.4	147.55	29.68	7490.1	12.3	144.64	32.59	7517.8	12.4	146.03	31.2
MPW-04-D	6954.6	11.8	146.97	30.26	6962.1	11.8	147.5	29.73	6911.5	12	144.24	32.99	6937.8	11.7	145.86	31.37
MPW-04-E	5899	11.7	147.42	29.81	5909.2	11.7	147.95	29.28	5847.2	11.8	144.86	32.37	5878.7	11.8	146.48	30.75
MPW-05-A	7627.3	10.8	134.48	22.32	7631.4	10.7	134.85	21.95	7602.2	10.8	132.98	23.82	7624	10.8	133.95	22.85
MPW-05-B	7265.8	10.5	134.83	21.97	7269.5	10.5	135.2	21.6	7244.3	10.5	133.23	23.57	7262.8	10.5	134.43	22.37
MPW-05-C	7542.9	10.5	134.86	21.94	7546.4	10.5	135.25	21.55	7520.9	10.5	133.26	23.54	7538.9	10.5	134.23	22.57
MPW-05-D	6510.4	10.1	134.68	22.12	6513.9	10.2	135.03	21.77	6486.3	10	133.34	23.46	6509.2	10.1	134.31	22.49
MPW-06-A	8451.5	11	35.21	22.08	8453.3	11	35.51	21.78	8423.7	10.8	33.34	23.95	8445.4	10.8	34.61	22.68
MPW-06-B	7506.1	10.4	35.11	22.18	7508.8	10.3	35.45	21.84	7484.6	10.2	33.74	23.55	7510.2	10.3	35.01	22.28
MPW-06-C	6706.2	10	35.37	21.92	6709.8	10.1	35.74	21.55	6681.3	10	33.9	23.39	6706.8	9.7	34.94	22.35
MPW-06-D	5716.6	9.8	35.65	21.64	5720.1	9.8	36	21.29	5696.9	9.8	34.27	23.02	5721.6	9.7	35.54	21.75
MPW-07-A	8418	11.8	192.33	36.78	8426.3	11.8	192.77	36.34	8353.8	11.7	189.21	39.9	7926.5	11.7	174.24	54.87
MPW-07-B	8307.3	11.6	192.74	36.37	8317.8	11.5	193.25	35.86	8243.1	11.4	189.69	39.42	8279.6	11.4	191.36	37.75
MPW-07-C	7593.4	10.3	193.44	35.67	7602.9	10.9	193.95	35.16	7531.7	10.8	190.25	38.86	7535.2	10.9	190.76	38.35
MPW-08-A	8132.4	11.6	6.22	10.86	8131.0	11.6	6.43	10.65	8136.5	11.6	5.67	11.41	8151.3	11.5	6.5	10.58
MPW-08-B	8276.3	11.3	5.83	11.25	8269.8	11.3	5.81	11.27	8274.2	11.3	5.16	11.92	8283.9	11.3	5.76	11.32
MPW-08-C	6817.9	11.1	6.07	11.01	6815.6	11.1	6.23	10.85	6808.8	11.1	5.15	11.93	6825.8	11.1	5.98	11.1
MPW-08-D	6557.4	11	7.08	10	6537.0	10.9	6.57	10.51	6540.9	10.8	5.67	11.41	6558.2	10.9	6.74	10.34
MPW-08-E	5733.7	10.4	5.66	11.42	5734.1	10.4	5.92	11.16	5739.7	10.4	5.18	11.9	5758.1	10.4	6.24	10.84
MPW-09-A	8903.9	10	-2.87	12.53	8896.0	9.7	-2.94	12.6	8888.2	10.6	-4.17	13.83	8901.2	10	-3.36	13.02
MPW-09-B	7760.9	10.4	-5.45	15.11	7761.9	10.4	-5.18	14.84	7757	10.2	-6.26	15.92	7773.9	10.3	-5.22	14.88
MPW-09-C	6895.5	10.2	-5.82	15.48	6896.8	10.1	-5.54	15.2	6899.3	10.1	-6.44	16.1	6910.3	10	-5.63	15.29
MPW-09-D	5901.9	10.1	-6.16	15.82	5905.2	10.3	-5.81	15.47	5899	10.1	-6.87	16.53	5915.7	10.1	-6.06	15.72
MPW-09-E	5276.8	10.2	-6.51	16.17	5279.8	10.1	-6.17	15.83	*	*	*	*	5295.1	10.1	-6.19	15.85
MPW-10-A	8801.6	11.4	141.44	29.29	8807.5	11.3	141.65	29.08	8767.2	11.8	138.87	31.86	8793.3	11.8	140.47	30.26
MPW-10-B	7981.8	11.6	141.44	29.29	7989.2	11.7	141.67	29.06	7937.2	12.1	138.71	32.02	7966.7	12.1	140.3	30.43
MPW-10-C	6884.3	11.3	141.73	29	6891.9	11.3	141.96	28.77	6843.2	11.7	139.32	31.41	6875.8	11.7	140.92	29.81
MPW-10-D	6271.9	11.3	141.76	28.97	6279.7	11.2	142.01	28.72	6236.6	11.6	139.61	31.12	6266.7	11.6	140.97	29.76


**Table 1-5**  
**Synoptic Water Levels**  
**Remedial Design**  
**Lawrence Aviation Industries Superfund Site**  
**Port Jefferson Station, New York**

Well	March 7, 2005				April 25, 2005				December 13, 2007				June 9, 2008			
	Transducer Reading (Dg)	Temperature (°C)	Depth to Water (feet)	Water Level Elevation (feet amsl)	Transducer Reading (Dg)	Temperature (°C)	Depth to Water (feet)	Water Level Elevation (feet amsl)	Transducer Reading (Dg)	Temperature (°C)	Depth to Water (feet)	Water Level Elevation (feet amsl)	Transducer Reading (Dg)	Temperature (°C)	Depth to Water (feet)	Water Level Elevation (feet amsl)
MW-01			136.03	43.97			136.26	43.74			**	**			**	**
MW-05			186.9	33.1			186.83	33.17			182.31	37.69			183.22	36.78
FG-01			166.92	34.51			167.34	34.09			163.65	37.78			164.82	36.61
MW-PD-11			NI	NI			NI	NI			NI	NI			134.1	30.82
MW-PD-12			NI	NI			NI	NI			NI	NI			112.7	30.04
MW-PD-13			NI	NI			NI	NI			NI	NI			148.61	28.33
MW-PD-14			NI	NI			NI	NI			NI	NI			152.56	25.06
MW-PD-15			NI	NI			NI	NI			NI	NI			78.36	16.9
MW-PD-16			NI	NI			NI	NI			NI	NI			65.34	20.77
MW-PD-17			NI	NI			NI	NI			NI	NI			4.88	19.86
PZ-PD-01			NI	NI			NI	NI			NI	NI			184.96	37.53
PZ-PD-02			NI	NI			NI	NI			NI	NI			186.33	36.73
PZ-PD-03			NI	NI			NI	NI			NI	NI			184.55	35.61
TW-01			NI	NI			NI	NI			NI	NI			185	37.82

- Notes:
- \* On December 13, 2007, no data were collected from MPW-03-A and MPW-09-E.
  - \*\* Water levels could not be collected at MW-01 because well was paved over.
  - \*\*\* Depth to water at MW-5 and FG-01 was measured in the field from top of outside casing. The reading above was adjusted to land surface by subtracting the stickup from the depth to water.
  - Not applicable to standard monitoring wells.
- Acronyms:
- amsl Above mean sea level
  - dg Digits. The reading from the vibrating wire transducer. Water levels calculated from this reading using the method described in LAI RI Report (CDM 2006a)
  - NI Well not installed until later date.

**Table 1-5**  
**Synoptic Water Levels**  
**Remedial Design**  
**Lawrence Aviation Industries Superfund Site**  
**Port Jefferson Station, New York**

Well	March 7, 2005				April 25, 2005				December 13, 2007				June 9, 2008			
	Transducer Reading (Dg)	Temperature (°C)	Depth to Water (feet)	Water Level Elevation (feet amsl)	Transducer Reading (Dg)	Temperature (°C)	Depth to Water (feet)	Water Level Elevation (feet amsl)	Transducer Reading (Dg)	Temperature (°C)	Depth to Water (feet)	Water Level Elevation (feet amsl)	Transducer Reading (Dg)	Temperature (°C)	Depth to Water (feet)	Water Level Elevation (feet amsl)
MW-01			136.03	43.97			136.26	43.74			**	**			**	**
MW-05			186.9	33.1			186.83	33.17			182.31	37.69			183.22	36.78
FG-01			166.92	34.51			167.34	34.09			163.65	37.78			164.82	36.61
MW-PD-11			NI	NI			NI	NI			NI	NI			134.1	30.82
MW-PD-12			NI	NI			NI	NI			NI	NI			112.7	30.04
MW-PD-13			NI	NI			NI	NI			NI	NI			148.61	28.33
MW-PD-14			NI	NI			NI	NI			NI	NI			152.56	25.06
MW-PD-15			NI	NI			NI	NI			NI	NI			78.36	16.9
MW-PD-16			NI	NI			NI	NI			NI	NI			65.34	20.77
MW-PD-17			NI	NI			NI	NI			NI	NI			4.88	19.86
PZ-PD-01			NI	NI			NI	NI			NI	NI			184.96	37.53
PZ-PD-02			NI	NI			NI	NI			NI	NI			186.33	36.73
PZ-PD-03			NI	NI			NI	NI			NI	NI			184.55	35.61
TW-01			NI	NI			NI	NI			NI	NI			185	37.82

- Notes:
- \* On December 13, 2007, no data were collected from MPW-03-A and MPW-09-E.
  - \*\* Water levels could not be collected at MW-01 because well was paved over.
  - \*\*\* Depth to water at MW-5 and FG-01 was measured in the field from top of outside casing. The reading above was adjusted to land surface by subtracting the stickup from the depth to water.
  -  Not applicable to standard monitoring wells.
- Acronyms:
- amsl Above mean sea level
  - dg Digits. The reading from the vibrating wire transducer. Water levels calculated from this reading using the method described in LAI RI Report (CDM 2006a)
  - NI Well not installed until later date.

**Table 1-6a**  
**Round 1 Monitoring Well Sample Summary**  
**Remedial Design**  
**Lawrence Aviation Industries Superfund Site**  
**Port Jefferson Station, New York**

Well	Port	Sample ID	Sampling Round	Sample Date	Sample Time	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	pH	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation-Reduction Potential (mV)	Turbidity (NTU)	Volume Purged (liters)	Drive/Vent Cycle Drive Pressure	Analysis	CLP Number	Notes
MPW-01	A	MPW-01-PD-A-R1	R1	11/27/2007	10:35	160	170	5.76	0.435	3.90	11.72	16.1	0.8	15.0	12/11 135 psi	LDL VOC, Ti, Fi	B4GD7	
MPW-01	B	MPW-01-PD-B-R1	R1	11/27/2007	10:30	185	195	5.53	0.441	9.85	11.72	160.6	0	15.0	12/11 135 psi	LDL VOC, Ti, Fi	B4GD8	
MPW-01	C	MPW-01-PD-C-R1	R1	11/27/2007	11:35	210	220	7.29	0.392	1.52	11.67	-27.1	0	10.0	12/11 135 psi	LDL VOC, Ti, Fi	B4GD9	
MPW-02	A	MPW-02-PD-A-R1	R1	1/4/2008	10:50	190	200	6.07	0.546	3.22	11.80	163.2	0	5.5	20/10 100 psi	LDL VOC, Ti, Fi	B4GE4	2nd sampling event.
MPW-02	B	MPW-02-PD-B-R1	R1	11/26/2007	14:20	215	225	5.86	0.403	8.69	12.00	125.7	0	5.0	16/14 125 psi	LDL VOC, Ti, Fi	B4GE5	
MPW-02	C	MPW-02-PD-C-R1	R1	11/26/2007	16:15	240	250	6.35	0.379	1.24	12.01	132.7	0	7.5	18/14 130 psi	LDL VOC, Ti, Fi	B4GE6	Collected duplicate MPW-22-PD-C-R1
MPW-02	D	MPW-02-PD-D-R1	R1	11/26/2007	17:10	265	275	6.25	0.354	6.30	11.97	58.6	0	5.0	20/14 145 psi	LDL VOC, Ti, Fi	B4GE7	
MPW-02	A	MPW-02-PORT1	R1*	3/6/2008	16:00	190	200	5.85	0.368	6.89	11.51	207.9	0	36.0	10/40 180 psi	TCL VOCs	N/A*	
MPW-02	B	MPW-02-PORT2	R1*	3/11/2008	11:45	215	225	5.85	0.271	8.54	12.10	178.1	0	54.0	10/20 180 psi	TCL VOCs	N/A*	
MPW-02	C	MPW-02-PORT3	R1*	3/11/2008	12:35	240	250	6.20	0.264	4.41	11.69	199.8	0	6.0	10/20 180 psi	TCL VOCs	N/A*	
MPW-02	D	MPW-02-PORT4	R1*	3/11/2008	14:40	265	275	6.24	0.253	8.60	11.79	70.4	0	26.0	15/20 190 psi	TCL VOCs	N/A*	
MPW-03	A	MPW-03-PD-A-R1	R1	11/28/2007	14:25	175	185	6.67	0.281	0.46	10.85	-69.5	0.65	6.0	14/12 110 psi	LDL VOC, Ti, Fi	B4GE9	
MPW-03	B	MPW-03-PD-B-R1	R1	11/27/2007	14:50	195	205	6.63	0.214	0.51	11.35	-95.4	2	6.3	16/14 115 psi	LDL VOC, Ti, Fi	B4GF0	Collected duplicate MPW-33-PD-B-R1
MPW-03	C	MPW-03-PD-C-R1	R1	11/28/2007	15:15	215	225	7.25	0.393	0.80	10.45	-24.7	6.09	5.5	17/13 120 psi	LDL VOC, Ti, Fi	B4GF1	
MPW-03	D	MPW-03-PD-D-R1	R1	11/28/2007	16:15	235	245	6.50	0.418	0.39	10.23	-70.1	61.2	5.0	18/14 120 psi	LDL VOC, Ti, Fi	B4GF2	
MPW-04	A	MPW-04-PD-A-R1	R1	11/27/2007	9:50	150	160	5.50	0.436	0.46	12.86	24.1	1.32	6.0	12/18 150 psi	LDL VOC, Ti, Fi	B4GF4	
MPW-04	B	MPW-04-PD-B-R1	R1	11/27/2007	11:20	170	180	5.94	0.452	0.47	13.52	100.7	0.2	7.5	11/14 120 psi	LDL VOC, Ti, Fi	B4GF5	
MPW-04	C	MPW-04-PD-C-R1	R1	11/27/2007	10:40	200	210	7.09	0.612	0.85	13.27	-66.5	1.2	15.0	14/16 150 psi	LDL VOC, Ti, Fi	B4GF6	
MPW-04	D	MPW-04-PD-D-R1	R1	11/27/2007	12:00	220	230	5.99	0.418	3.56	13.83	110.1	0.39	7.5	12/12 140 psi	LDL VOC, Ti, Fi	B4GF7	
MPW-04	E	MPW-04-PD-E-R1	R1	11/27/2007	12:40	240	250	6.64	0.365	5.41	12.95	73	0.25	6.5	14/14 150 psi	LDL VOC, Ti, Fi	B4GF8	
MPW-05	A	MPW-05-PD-A-R1	R1	11/28/2007	15:40	160	170	5.87	0.321	2.81	10.98	30.1	1.05	17.0	10/15 120 psi	LDL VOC, Ti, Fi	B4GF9	
MPW-05	B	MPW-05-PD-B-R1	R1	11/28/2007	15:35	185	195	5.79	0.284	0.89	10.79	-170.2	0	6.0	10/15 120 psi	LDL VOC, Ti, Fi	B4GG0	
MPW-05	C	MPW-05-PD-C-R1	R1	11/29/2007	10:25	205	215	6.00	0.290	4.54	11.25	-19.8	5.95	12.0	15/15 125 psi	LDL VOC, Ti, Fi	B4GG1	
MPW-05	D	MPW-05-PD-D-R1	R1	11/29/2007	10:25	225	235	6.10	0.313	4.28	11.30	86.9	0.82	10.0	15/15 125 psi	LDL VOC, Ti, Fi	B4GG2	
MPW-06	A	MPW-06-PD-A-R1	R1	11/29/2007	13:55	65	75	10.37	0.545	0.55	11.29	70.2	4.1	5.5	16/14 120 psi	LDL VOC, Ti, Fi	B4GG3	
MPW-06	B	MPW-06-PD-B-R1	R1	11/29/2007	14:45	90	100	6.00	0.169	0.51	10.79	30	0	6.0	16/14 120 psi	LDL VOC, Ti, Fi	B4GG4	MS/MSD
MPW-06	C	MPW-06-PD-C-R1	R1	11/29/2007	15:15	115	125	6.26	0.233	7.06	10.84	63.8	16	8.0	16/14 120 psi	LDL VOC, Ti, Fi	B4GG5	
MPW-06	D	MPW-06-PD-D-R1	R1	11/29/2007	16:00	160	170	7.55	0.170	4.79	10.59	36.3	1.3	8.0	16/14 120 psi	LDL VOC, Ti, Fi	B4GG6	
MPW-07	A	MPW-07-PD-A-R1	R1	11/30/2007	9:20	202	212	5.50	0.427	5.50	11.42	196.9	0	8.0	12/12 130 psi	LDL VOC, Ti, Fi	B4GG7	
MPW-07	B	MPW-07-PD-B-R1	R1	1/4/2007	9:30	220	230	7.01	0.429	7.12	11.70	100.1	0	4.0	15/30 180 psi	LDL VOC, Ti, Fi	B4GG8	2nd sampling event
MPW-07	C	MPW-07-PD-C-R1	R1	11/29/2007	16:05	250	260	7.50	0.402	8.47	12.33	44.2	0.3	8.0	14/18 150 psi	LDL VOC, Ti, Fi	B4GG9	Collected duplicate MPW-77-PD-C-R1
MPW-08	A	MPW-08-PD-A-R1	R1	11/28/2007	13:30	25	35	5.49	0.260	14.27	12.31	157.8	0	15.0	10/15 80 psi	LDL VOC, Ti, Fi	B4GH1	
MPW-08	B	MPW-08-PD-B-R1	R1	11/28/2007	12:45	45	55	5.68	0.265	13.70	11.97	108.7	0	14.0	10/15 80 psi	LDL VOC, Ti, Fi	B4GH2	
MPW-08	C	MPW-08-PD-C-R1	R1	11/28/2007	12:40	75	85	6.02	0.223	13.51	11.90	121.9	0	15.0	10/15 80 psi	LDL VOC, Ti, Fi	B4GH3	
MPW-08	D	MPW-08-PD-D-R1	R1	11/28/2007	12:00	95	105	6.35	0.220	13.59	11.62	51.1	0	15.0	10/15 85 psi	LDL VOC, Ti, Fi	B4GH4	
MPW-08	E	MPW-08-PD-E-R1	R1	11/28/2007	12:00	115	125	6.84	0.137	8.02	11.56	80.5	0	15.0	10/15 85 psi	LDL VOC, Ti, Fi	B4GH5	
MPW-09	A	MPW-09-PD-A-R1	R1	11/29/2007	12:45	10	20	5.73	0.277	8.44	10.85	185.7	0.05	8.0	16/14 130 psi	LDL VOC, Ti, Fi	B4GH6	Artesian Well
MPW-09	B	MPW-09-PD-B-R1	R1	11/29/2007	12:10	45	55	5.61	0.348	7.51	10.56	172.2	0	8.5	16/14 130 psi	LDL VOC, Ti, Fi	B4GH7	Artesian Well
MPW-09	C	MPW-09-PD-C-R1	R1	11/29/2007	11:30	70	80	5.85	0.378	1.59	10.42	153.9	0.9	8.0	16/14 130 psi	LDL VOC, Ti, Fi	B4GH8	Artesian Well
MPW-09	D	MPW-09-PD-D-R1	R1	11/29/2007	10:45	90	100	6.36	0.263	3.05	10.34	111.3	2.8	9.0	16/14 130 psi	LDL VOC, Ti, Fi	B4GH9	Artesian Well
MPW-09	E	MPW-09-PD-E-R1	R1	11/29/2007	9:55	125	135	6.40	0.239	1.37	9.91	158.4	0.05	6.0	16/14 100 psi	LDL VOC, Ti, Fi	B4GJ0	Artesian Well
MPW-10	A	MPW-10-PD-A-R1	R1	11/27/2007	14:25	160	170	5.84	0.616	5.84	11.88	78.9	0	10.0	12/11 135 psi	LDL VOC, Ti, Fi	B4GE0	
MPW-10	B	MPW-10-PD-B-R1	R1	11/27/2007	14:30	185	195	5.87	0.845	2.40	11.86	96.7	0.1	10.0	12/11 135 psi	LDL VOC, Ti, Fi	B4GE1	
MPW-10	C	MPW-10-PD-C-R1	R1	11/27/2007	16:25	215	225	6.27	0.529	6.10	11.71	-46.2	0	7.5	12/11 135 psi	LDL VOC, Ti, Fi	B4GE2	
MPW-10	D	MPW-10-PD-D-R1	R1	11/27/2007	16:30	235	245	6.38	0.508	7.70	11.59	37.2	0	7.5	12/11 135 psi	LDL VOC, Ti, Fi	B4GE3	

**Table 1-6a**  
**Round 1 Monitoring Well Sample Summary**  
**Remedial Design**  
**Lawrence Aviation Industries Superfund Site**  
**Port Jefferson Station, New York**

Well	Port	Sample ID	Sampling Round	Sample Date	Sample Time	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	pH	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation-Reduction Potential (mV)	Turbidity (NTU)	Volume Purged (liters)	Drive/Vent Cycle Drive Pressure	Analysis	CLP Number	Notes
MW-05	N/A	MW-05-PD-R1	R1	11/28/2007	13:00	180	195	5.60	0.209	8.38	18.92	172.4	12.1	22.5	**	LDL VOC, Ti, FI	B4GJ2	Sampled with Grundfos Pump
FG-01	N/A	FG-01-PD-R1	R1	11/28/2007	9:55	170	180	5.97	0.225	9.57	16.80	151.6	8	12.0	**	LDL VOC, Ti, FI	B4GD1	Sampled with Grundfos Pump

**Notes:**

\* - Well MPW-02 was resampled during Round 1, CLP was not used

\*\* - Sampled with Grundfos Pump

**Acronyms:**

°C - degrees Celcius

bgs - below ground surface

CLP - Contract Laboratory Program

FI - flouride

ID - identification

LDL - low detection limit

mg/L - milligrams per liter

mS/cm - microseimens per centimeter (data normalized to 25 °C)

MS/MSD - Matrix Spike/Matrix Spike Duplicate

mV - millivolts

MW - Monitoring Well

N/A - Not Applicable

NTU - Nephelometric Turbidity Units

psi - pounds per square inch

R1 - Round 1

Ti - Titanium

TCL - Target Compound List

VOC - Volatile Organic Compound



**Table 1-6b**  
**Round 2 Monitoring Well Sample Summary**  
**Remedial Design**  
**Lawrence Aviation Industries Superfund Site**  
**Port Jefferson Station, New York**

Well	Port	Sample ID	Sampling Round	Sample Date	Sample Time	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	pH	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation-Reduction Potential (mV)	Turbidity (NTU)	Volume Purged (liters)	Analysis	CLP Number	Drive/Vent Cycle Drive Pressure	Notes
MPW-01	A	MPW-01-PD-A-R2	R2	5/19/2008	9:25	160	170	5.26	0.363	0.05	11.66	64	1.1	14.3	TCL VOC, Ti, FI	B4X11	12/11 135 psi	Collected duplicate MPW-11-PD-A-R2
MPW-01	B	MPW-01-PD-B-R2	R2	5/19/2008	10:45	160	170	5.09	0.367	0.66	11.59	119.5	0.08	13.8	TCL VOC, Ti, FI	B4X12	12/11 135 psi	
MPW-01	C	MPW-01-PD-C-R2	R2	5/19/2008	11:50	160	170	7.03	0.337	0.15	11.82	61.6	2.4	12.5	TCL VOC, Ti, FI	B4X13	12/11 135 psi	
MPW-02	A	MPW-02-PD-A-R2	R2	5/27/2008	16:00	190	200	5.75	0.402	5.43	17.37	287.1	0.1	2.8	TCL VOC, Ti, FI	B4X14	20/10 100 psi	
MPW-02	B	MPW-02-PD-B-R2	R2	5/27/2008	14:10	215	225	5.36	0.295	10.22	20.52	279.2	0.3	5.5	TCL VOC, Ti, FI	B4X15	16/14 125 psi	
MPW-02	C	MPW-02-PD-C-R2	R2	5/27/2008	12:25	240	250	6.02	0.265	4.80	19.20	154	0.15	8.3	TCL VOC, Ti, FI	B4X16	18/14 130 psi	
MPW-02	D	MPW-02-PD-D-R2	R2	5/27/2008	11:05	265	275	5.95	0.257	9.24	13.34	95.2	0.2	8.3	TCL VOC, Ti, FI	B4X17	20/14 145 psi	
MPW-03	A	MPW-03-PD-A-R2	R2	5/20/2007	15:05	175	185	6.42	0.219	0.21	10.92	-9.1	3.62	11.3	TCL VOC, Ti, FI	B4X18	14/12 110 psi	
MPW-03	B	MPW-03-PD-B-R2	R2	5/20/2008	15:50	195	205	6.41	0.241	0.58	10.80	-57	9	11.3	TCL VOC, Ti, FI	B4X19	16/14 115 psi	
MPW-03	C	MPW-03-PD-C-R2	R2	5/20/2008	17:05	215	225	6.57	0.310	1.35	10.74	14.8	1.3	10.0	TCL VOC, Ti, FI	B4X20	17/13 120 psi	
MPW-03	D	MPW-03-PD-D-R2	R2	5/20/2008	18:10	235	245	6.30	0.298	0.61	10.53	-40.4	9.8	15.0	TCL VOC, Ti, FI	B4X21	18/14 120 psi	
MPW-04	A	MPW-04-PD-A-R2	R2	5/21/2008	9:10	150	160	5.34	0.552	0.33	12.54	62.4	0.9	10.0	TCL VOC, Ti, FI	B4X22	12/18 150 psi	
MPW-04	B	MPW-04-PD-B-R2	R2	5/21/2008	9:10	170	180	5.34	0.430	0.40	12.71	20.5	0.08	10.0	TCL VOC, Ti, FI	B4X23	11/14 120 psi	
MPW-04	C	MPW-04-PD-C-R2	R2	5/21/2008	10:05	200	210	7.15	0.555	0.06	13.00	-31.8	2	7.0	TCL VOC, Ti, FI	B4X24	14/16 150 psi	
MPW-04	D	MPW-04-PD-D-R2	R2	5/21/2008	10:05	220	230	5.68	0.561	0.38	13.56	59.4	0.05	8.8	TCL VOC, Ti, FI	B4X25	12/12 140 psi	
MPW-04	E	MPW-04-PD-E-R2	R2	5/21/2008	11:03	240	250	6.18	0.465	0.75	16.76	58.3	0.15	8.8	TCL VOC, Ti, FI	B4X26	14/14 150 psi	
MPW-05	A	MPW-05-PD-A-R2	R2	5/21/2008	13:55	160	170	4.36	0.229	0.64	13.92	93.4	0.3	11.3	TCL VOC, Ti, FI	B4X27	10/15 120 psi	
MPW-05	B	MPW-05-PD-B-R2	R2	5/21/2008	13:50	185	195	5.19	0.260	0.92	14.27	53.9	0.1	10.0	TCL VOC, Ti, FI	B4X28	10/15 120 psi	MS/MSD
MPW-05	C	MPW-05-PD-C-R2	R2	5/21/2008	15:10	205	215	5.56	0.256	2.99	14.60	76.1	1	13.8	TCL VOC, Ti, FI	B4X29	15/15 125 psi	
MPW-05	D	MPW-05-PD-D-R2	R2	5/21/2008	15:15	225	235	4.66	0.216	1.58	15.15	118.1	2.5	13.8	TCL VOC, Ti, FI	B4X30	15/15 125 psi	
MPW-06	A	MPW-06-PD-A-R2	R2	5/22/2008	9:00	65	75	10.06	0.374	0.11	11.80	96	6	8.8	TCL VOC, Ti, FI	B4X31	16/14 120 psi	
MPW-06	B	MPW-06-PD-B-R2	R2	5/22/2008	9:10	90	100	4.97	0.121	0.06	11.46	80.5	0.2	11.3	TCL VOC, Ti, FI	B4X32	16/14 120 psi	
MPW-06	C	MPW-06-PD-C-R2	R2	5/22/2008	10:20	115	125	6.01	0.168	1.29	10.87	82.3	9.1	13.8	TCL VOC, Ti, FI	B4X33	16/14 120 psi	
MPW-06	D	MPW-06-PD-D-R2	R2	5/22/2008	10:10	160	170	6.75	0.140	3.69	11.03	38.9	0.75	10.0	TCL VOC, Ti, FI	B4X34	16/14 120 psi	
MPW-07	A										N/A*							
MPW-07	B	MPW-07-PD-B-R2	R2	6/2/2008	15:55	220	230	5.83	0.390	6.20	16.52	192.3	0.9	8.8	TCL VOC, Ti, FI	B4X36	15/30 180 psi	
MPW-07	C	MPW-07-PD-C-R2	R2	6/3/2008	16:00	250	260	6.72	0.318	9.52	12.75	170.2	1.1	18.9	TCL VOC, Ti, FI	B4X37	14/18 150 psi	
MPW-08	A	MPW-08-PD-A-R2	R2	5/22/2008	11:45	25	35	4.90	0.203	6.89	12.39	170.5	0	7.5	TCL VOC, Ti, FI	B4X38	10/15 80 psi	
MPW-08	B	MPW-08-PD-B-R2	R2	5/22/2008	12:00	45	55	5.29	0.207	0.63	11.97	142.7	0.05	8.8	TCL VOC, Ti, FI	B4X39	10/15 80 psi	
MPW-08	C	MPW-08-PD-C-R2	R2	5/22/2008	13:00	75	85	5.81	0.180	0.40	11.22	146.1	0	11.3	TCL VOC, Ti, FI	B4X40	10/15 80 psi	
MPW-08	D	MPW-08-PD-D-R2	R2	5/22/2008	13:05	95	105	5.79	0.161	6.62	11.64	153	0	11.3	TCL VOC, Ti, FI	B4X41	10/15 85 psi	
MPW-08	E	MPW-08-PD-E-R2	R2	5/22/2008	13:40	115	125	6.70	0.111	0.14	11.60	100	0.05	10.0	TCL VOC, Ti, FI	B4X42	10/15 85 psi	
MPW-09	A	MPW-09-PD-A-R2	R2	5/28/2008	11:30	10	20	5.06	0.223	6.97	12.14	217.9	0.2	4.0	TCL VOC, Ti, FI	B4X43	16/14 130 psi	
MPW-09	B	MPW-09-PD-B-R2	R2	5/28/2008	10:55	45	55	5.23	0.282	9.01	11.69	157.8	0.1	6.0	TCL VOC, Ti, FI	B4X44	16/14 130 psi	
MPW-09	C	MPW-09-PD-C-R2	R2	5/28/2008	12:10	70	80	5.25	0.302	4.35	13.53	256.6	0.2	4.0	TCL VOC, Ti, FI	B4X45	16/14 130 psi	
MPW-09	D	MPW-09-PD-D-R2	R2	5/28/2008	12:45	90	100	5.46	0.261	6.61	12.76	292	0.6	4.0	TCL VOC, Ti, FI	B4X46	16/14 130 psi	
MPW-09	E	MPW-09-PD-E-R2	R2	5/28/2008	13:20	125	135	5.80	0.195	3.09	12.78	299.7	0.25	3.6	TCL VOC, Ti, FI	B4X47	16/14 100 psi	
MPW-10	A	MPW-10-PD-A-R2	R2	5/28/2008	17:00	160	170	4.98	0.453	0.27	12.56	83.7	0	9.5	TCL VOC, Ti, FI	B4X48	12/11 135 psi	MS/MSD
MPW-10	B	MPW-10-PD-B-R2	R2	5/28/2008	17:00	185	195	5.54	0.663	0.70	12.56	88.9	0.1	10.0	TCL VOC, Ti, FI	B4X49	12/11 135 psi	
MPW-10	C	MPW-10-PD-C-R2	R2	5/28/2008	15:50	215	225	5.48	0.404	1.86	12.79	91.8	0	6.0	TCL VOC, Ti, FI	B4X50	12/11 135 psi	
MPW-10	D	MPW-10-PD-D-R2	R2	5/28/2008	15:50	235	245	5.96	0.396	5.91	12.67	111.6	0.1	7.4	TCL VOC, Ti, FI	B4X51	12/11 135 psi	

**Table 1-6b**  
**Round 2 Monitoring Well Sample Summary**  
**Remedial Design**  
**Lawrence Aviation Industries Superfund Site**  
**Port Jefferson Station, New York**

Well	Port	Sample ID	Sampling Round	Sample Date	Sample Time	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	pH	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation-Reduction Potential (mV)	Turbidity (NTU)	Volume Purged (liters)	Analysis	CLP Number	Drive/Vent Cycle Drive Pressure	Notes
MW-05	N/A	MW-05-PD-R2	R2	6/2/2008	14:45	180	195	5.18	0.218	12.64	17.54	169.5	9.5	11.0	TCL VOC, Ti, FI	B4X52	**	
FG-01	N/A	FG-01-PD-R2	R2	6/3/2008	14:40	170	180	3.54	0.195	12.05	19.31	292.3	11	15.00	TCL VOC, Ti, FI	B4X53	**	
MW-PD-11	N/A	MW-PD-11-PD-R2	R2	6/2/2008	12:00	195	205	5.76	0.542	0.73	14.42	128.5	50	10.13	TCL VOC, Ti, FI	B4X54	**	
MW-PD-12	N/A	MW-PD-12-PD-R2	R2	6/2/2008	10:30	150	160	5.45	0.339	1.34	13.95	188.3	45	16.50	TCL VOC, Ti, FI	B4X55	**	Collected duplicate MW-PD-21-PD-R2
MW-PD-13	N/A	MW-PD-13-PD-R2	R2	6/3/2008	9:30	175	185	5.78	0.434	9.98	14.01	230.1	45	11.00	TCL VOC, Ti, FI	B4X56	**	
MW-PD-14	N/A	MW-PD-14-PD-R2	R2	6/3/2008	11:00	239	249	6.07	0.413	2.76	12.70	175	40	13.75	TCL VOC, Ti, FI	B4X57	**	MS/MSD
MW-PD-15	N/A	MW-PD-15-PD-R2	R2	6/3/2008	12:45	204	214	6.04	0.412	6.41	13.00	151.1	10	17.10	TCL VOC, Ti, FI	B4X58	**	Collected duplicate MW-PD-51-PD-R2
MW-PD-16	N/A	MW-PD-16-PD-R2	R2	5/29/2008	14:50	190	200	4.99	0.686	1.39	12.44	212.2	36	37.50	TCL VOC, Ti, FI	B4X59	**	
MW-PD-17	N/A	MW-PD-17-PD-R2	R2	5/29/2008	10:40	80	90.00	6.80	0.256	8.52	12.75	145.5	33	22.50	TCL VOC, Ti, FI	B4X60	**	

**Notes:**

\* - Well MPW-07 Port A was unable to be sampled during Round 2

\*\* - Sampled with Grundfos Pump

**Acronyms:**

°C - degrees Celcius

bgs - below ground surface

CLP - Contract Laboratory Program

FI - Flouride

ID - identification

LDL - low detection limit

mg/L - milligrams per liter

mS/cm - microseimens per centimeter (data normalized to 25 °C)

MS/MSD - Matrix Spike/Matrix Spike Duplicate

mV - millivolts

MW - Monitoring Well

NA - Not Available

NTU - Nephelometric Turbidity Units

psi - pounds per square inch

R2 - Round 2

TCL - Target Compoind List

Ti - Titanium

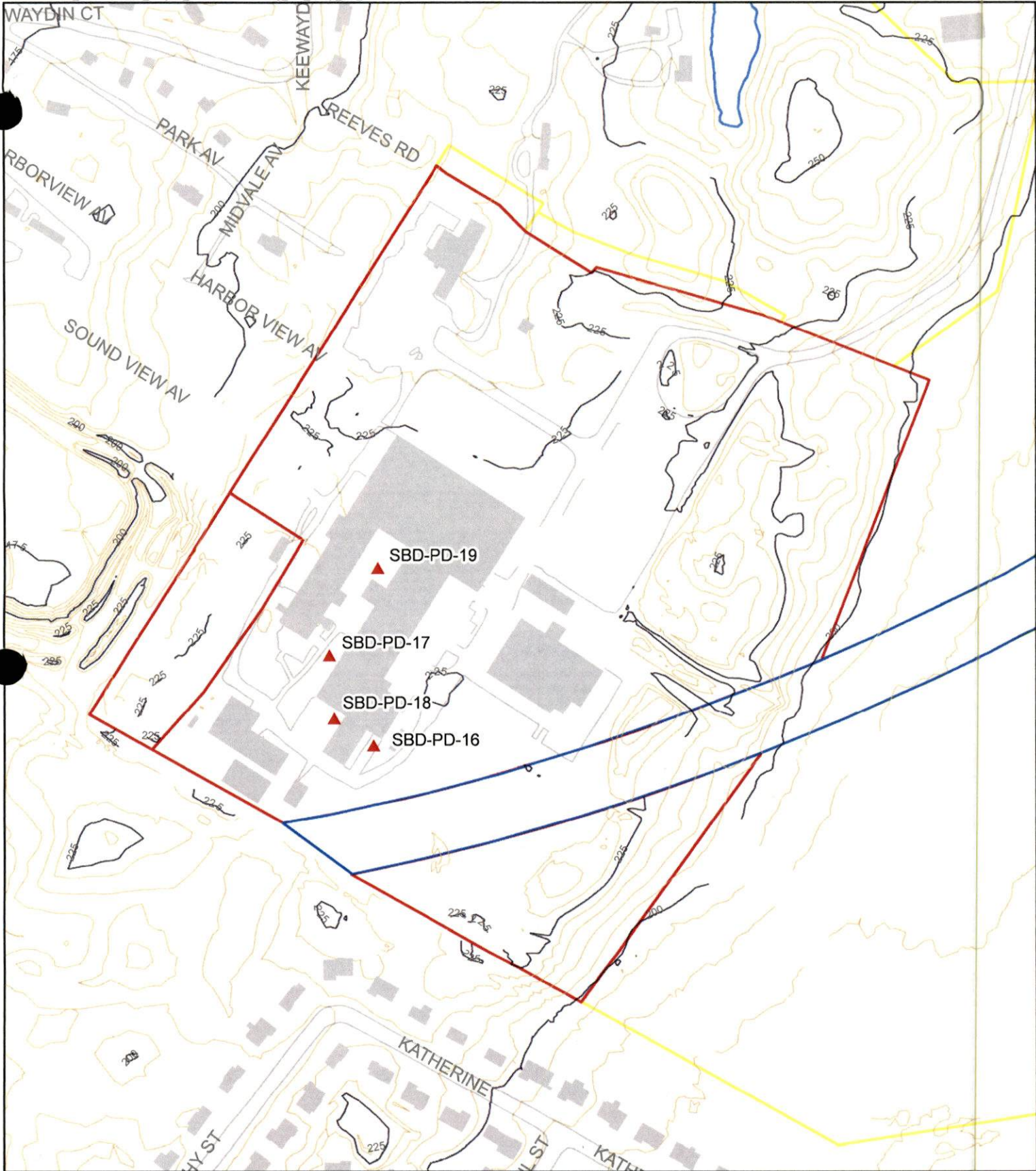
VOC - Volatile Organic Compound



adapted from NYSDEC Interactive Mapping Gateway <http://www.nysgis.state.ny.us/gateway/index.html>

Figure 1-1  
Site Location Map  
Remedial Design  
Lawrence Aviation Industries Superfund Site  
Port Jefferson Station, New York





### Legend

- Remedial Design Locations
    - Deep Soil Boring
    - LAI Facility
    - Outlying Parcels
    - NYDOT ROW
    - Waterbody
    - LI Railroad
    - Buildings
  - 5 Foot Topographic Contour
  - 25 Foot Topographic Contour
- Note: Topographic elevation data is in Feet above Mean Sea Level (datum is NAVD88)

Figure 1-3  
Deep Soil Boring Locations  
Remedial Design  
Lawrence Aviation Industries Superfund Site  
Port Jefferson Station, New York



## APPENDIX A

### Field Change Request Forms

**RAC II**  
**Lawrence Aviation Site**  
**FIELD CHANGE REQUEST (FCR) FORM**

REQUEST NO: FCR-1 DATE: 12/3/07

FCR TITLE: Drilling Method Selection

DESCRIPTION: Hollow stem auger (HSA) drilling methods were selected as the preferred method to install the deep soil borings, geotechnical borings, piezometers and the 7 monitoring wells. If auger refusal or other issues arise, mud rotary methods will be used as described in the QAPP.

REASON FOR DEVIATION: During procurement to select a driller, the drillers were asked to propose an alternate method (mud rotary was selected for cost estimating purposes) to more cost effectively perform the drilling scope. ADT (the selected drilling subcontractor) chose hollow stem auger (HSA) drilling methods.

RECOMMENDED/MODIFICATION: HSA drilling methods will be used preferably rather than mud rotary drilling. If refusal or other issues arise mud rotary drilling methods will be used as described in the QAPP.

INCLUDE IMPACT ON PROJECT OBJECTIVES: The change in the drilling methodology should allow for a more cost-effective/timely completion of the drilling scope.

Signatures:

<u>Joseph Button</u> Joseph Button (FTL)	<u>12/3/07</u> Date
<u>Demetrios Klerides</u> Demetrios Klerides CDM Site Manager (SM)	<u>12/6/07</u> Date

Distribution: Salvatore Badalamenti (EPA Remedial Project Manager)  
Demetrios Klerides (CDM SM)  
Jennifer Oxford (Regional Quality Assurance Coordinator)  
Seth Kellogg (Field Team Manager)  
RAC II Project File 3223-173  
Field Files

RAC II  
Lawrence Aviation Site  
FIELD CHANGE REQUEST (FCR) FORM

REQUEST NO: FCR-2 DATE: 12/17/07

FCR TITLE: Soil Boring SBD-PD-18 Location Change

DESCRIPTION: The location of SBD-PD-18 was changed during a site walk-through with CDM site manager, Demetrios Klerides, and the RD senior scientist, Joe Mayo. The new location is included on the attached figure. (Previously forwarded to Sal Badalamenti, the EPA RPM.)

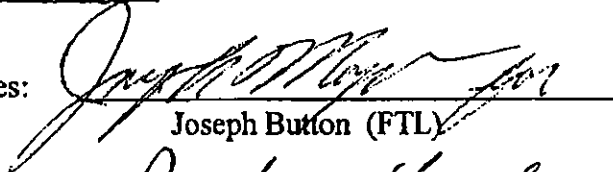
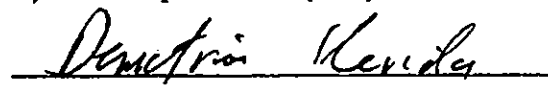
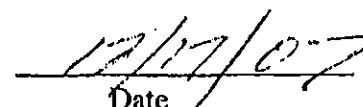
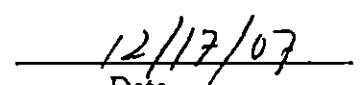
REASON FOR DEVIATION: The location of deep soil boring SBD-PD-18 was moved in order to investigate the source of high concentrations of VOCs in subsurface vapor samples collected in this area. Site-wide vapor sampling was performed by EPA ERT and was not available at the time the work plan was prepared. The elevated subsurface vapor results suggest that a potential source may be present in this area. Since the purpose of the soil boring is to further investigate potential soil sources and collect soil samples for the treatability study to support the remedial design, the boring was relocated to the area of the high VOC vapor concentrations identified by ERT.

RECOMMENDED/MODIFICATION: Location will be modified on Figure 5-2 in the Final Work Plan, Volume I and Figure 4 in the Final QAPP. Because of the high levels of VOCs detected in vapor samples at the revised location, the field team will monitor the levels of VOCs closely using a PID and will visually inspect soil samples for evidence of source materials. If source material is encountered, drilling will stop and CDM will discuss the condition with EPA. An alternate drilling method may be used that will isolate potential source materials and prevent migration to greater depths within the borehole. To closely monitor for source materials within the boring, CDM will collect continuous soil samples at SBD-PD-18, instead of collecting soil samples at 10-foot intervals as described in the work plan and QAPP.

INCLUDE IMPACT ON PROJECT OBJECTIVES: The modified location meets the project objective to further define the sources at the site to support the remedial design. Data quality

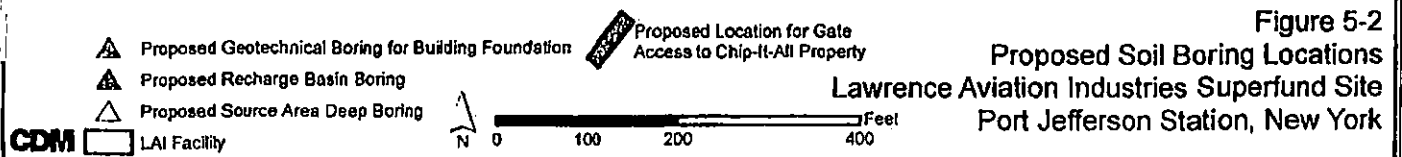
objectives and data quality indicators will remain the same since the overall objective of the soil boring is unchanged.

Signatures:

	
Joseph Button (FTLY)	Demetrios Klerides
Date	Date
	

Distribution: Salvatore Badalamenti (EPA Remedial Project Manager)  
Demetrios Klerides (CDM SM)  
Jennifer Oxford (Regional Quality Assurance Coordinator)  
Seth Kellogg (Field Team Manager)  
RAC II Project File 3223-173  
Field Files





**RAC II**  
**Lawrence Aviation Site**  
**FIELD CHANGE REQUEST (FCR) FORM**

REQUEST NO: FCR-3 DATE: 1/18/08

FCR TITLE: Offsite Monitoring Well Installation Method Change


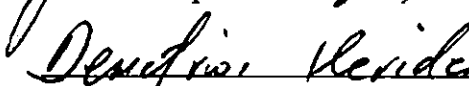
DESCRIPTION: Drilling method will be changed from mud rotary to hollow stem auger - see attached memorandum for details.

REASON FOR DEVIATION: See attached memorandum.

RECOMMENDED/MODIFICATION: See attached memorandum.

INCLUDE IMPACT ON PROJECT OBJECTIVES: The change in drilling methods will not have an impact on project data quality objectives.

Signatures:

 Joseph Button (FTL)	<u>1/18/08</u> Date
 Demetrios Klerides CDM Site Manager (SM)	<u>1/18/08</u> Date

Distribution: Salvatore Badalamenti (EPA Remedial Project Manager)  
Demetrios Klerides (CDM SM)  
Jennifer Oxford (Regional Quality Assurance Coordinator)  
Seth Kellogg (Field Team Manager)  
RAC II Project File 3223-173  
Field Files

**RAC II**  
**Lawrence Aviation Site**  
**FIELD CHANGE REQUEST (FCR) FORM**

REQUEST NO: FCR-3 DATE: 1/18/08

FCR TITLE: Offsite Monitoring Well Installation Method Change

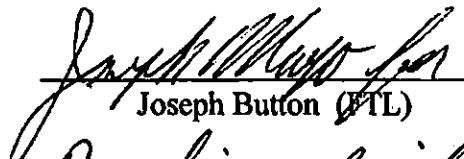

DESCRIPTION: Drilling method will be changed from mud rotary to hollow stem auger - see attached memorandum for details.

REASON FOR DEVIATION: See attached memorandum.

RECOMMENDED/MODIFICATION: See attached memorandum.

INCLUDE IMPACT ON PROJECT OBJECTIVES: The change in drilling methods will not have an impact on project data quality objectives.

Signatures:

 Joseph Button (FTL)	<u>1/18/08</u> Date
 Demetrios Klerides CDM Site Manager (SM)	<u>1/18/08</u> Date

Distribution: Salvatore Badalamenti (EPA Remedial Project Manager)  
Demetrios Klerides (CDM SM)  
Jennifer Oxford (Regional Quality Assurance Coordinator)  
Seth Kellogg (Field Team Manager)  
RAC II Project File 3223-173  
Field Files

**RAC II**  
**Lawrence Aviation Site**  
**FIELD CHANGE REQUEST (FCR) FORM**

REQUEST NO: FCR-4

DATE: 2/5/08

FCR TITLE: MW-PD-12 Additional Sampling

DESCRIPTION: Two additional groundwater screening samples will be collected at a depths of 150-155 and 180 - 185 feet below ground surface (bgs) at the location of MW-PD-12.

REASON FOR DEVIATION: The additional groundwater screening samples will allow for further delineation of the vertical distribution of contaminants at the MW-PD-12 location. The data are needed to determine the proper depth of the screen interval for MW-PD-12.

RECOMMENDED/MODIFICATION: The groundwater screening sample will be collected as the augers are retracted from the borehole. A temporary well screen will be set and the formation will be allowed to collapse around the screen as the augers are retracted. The groundwater samples will be collected using the same methodology as the previous samples, as described in the QAPP.

INCLUDE IMPACT ON PROJECT OBJECTIVES: The additional sampling will not incur significant time or cost increases and will allow for further vertical delineation of the constituents of concern to support placement of the screen interval for MW-PD-12.

Signatures:

Seth Kellogg for  
Joseph Button (FTL)

2/6/08  
Date

Demetrios Klerides  
Demetrios Klerides  
CDM Site Manager (SM)

2/6/08  
Date

Distribution: Salvatore Badalamenti (EPA Remedial Project Manager)  
Demetrios Klerides (CDM SM)  
Jennifer Oxford (Regional Quality Assurance Coordinator)  
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RAC II Project File 3223-173  
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**RAC II**  
**Lawrence Aviation Site**  
**FIELD CHANGE REQUEST (FCR) FORM**

REQUEST NO: FCR-5

DATE: 2/18/08

FCR TITLE: EW-01 Development Methods

DESCRIPTION: An additional step will be taken to aid in the development of EW-01. A Bentonite Mud Recovery™ (BMR) product will be utilized to aid in recovery of drilling mud from the well.

REASON FOR DEVIATION: In order to increase the productivity of extraction well EW-01, BMR will be used to aid in the removal of drilling mud that was used for the installation of the well. The bentonite clays in the drilling mud are preventing the extraction well from operating efficiently.

RECOMMENDED/MODIFICATION: The BMR will be injected and surged into each 10-ft section as a solution. Each section will be surged in order to agitate the BMR and allow it to penetrate the well. The BMR breaks down the bentonite clays and allows them to be removed. Following the injection and agitation steps, each 10-ft zone of well screen will be discretely purged in order to remove the BMR and fine particles.

INCLUDE IMPACT ON PROJECT OBJECTIVES: Proper well development is necessary to ensure data generated during aquifer testing represents actual site conditions.

Signatures:

Joseph Button  
Joseph Button (FTL)

2/18/08  
Date

Demetrios Klerides  
Demetrios Klerides  
CDM Site Manager (SM)

2/18/08  
Date

Distribution: Salvatore Badalamenti (EPA Remedial Project Manager)  
Demetrios Klerides (CDM SM)  
Jennifer Oxford (Regional Quality Assurance Coordinator)  
Seth Kellogg (Field Team Manager)  
RAC II Project File 3223-173  
Field Files

**RAC II**  
**Lawrence Aviation Site**  
**FIELD CHANGE REQUEST (FCR) FORM**

REQUEST NO: FCR-6

DATE: 2/25/08

FCR TITLE: Additional EW-01 Development Methods


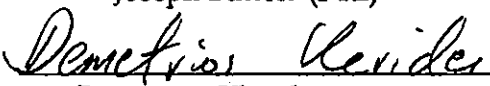
DESCRIPTION: An additional step will be taken to aid in the development of EW-01. High pressure water jetting will be used in order to help break down fine sediment in and around the gravel pack.

REASON FOR DEVIATION: There does not appear to be a good hydraulic connection between the aquifer and the well based on the well production and the volume of sediment in the purge water. Conventional well development methods (pumping and surging) are not decreasing the sediment load or increasing the well production. In order to increase the productivity of extraction well EW-01, high pressure jetting with potable water will be used to aid in the removal of fine sediment from the filter pack and formation adjacent to the well screen.

RECOMMENDED/MODIFICATION: High pressure jetting will be used to break apart the fine sediment that has lodged into the gravel pack and formation adjacent to the well screen.

Subsequent to the jetting, air-lifting methods will be used to remove the heavy sediment that accumulates in the base of the well screen.

INCLUDE IMPACT ON PROJECT OBJECTIVES: Proper well development is necessary to ensure data generated during aquifer testing represents actual site conditions.

Signatures:	<u></u>	<u>2/25/08</u>
	Joseph Button (FTL)	Date
	<u></u>	<u>2/25/08</u>
	Demetrios Klerides	Date
	CDM Site Manager (SM)	

Distribution: Salvatore Badalamenti (EPA Remedial Project Manager)  
Demetrios Klerides (CDM SM)  
Jennifer Oxford (Regional Quality Assurance Coordinator)  
Seth Kellogg (Field Team Manager)  
RAC II Project File 3223-173  
Field Files

**RAC II  
Lawrence Aviation Site  
FIELD CHANGE REQUEST (FCR) FORM**

REQUEST NO: FCR-7 DATE: 2/28/08

FCR TITLE: MW-PD-16 Additional Sampling

DESCRIPTION: One additional groundwater screening sample will be collected at a depth of 195-200 feet below ground surface (bgs) at the location of MW-PD-16.

REASON FOR DEVIATION: The additional groundwater screening samples will allow for further delineation of the vertical distribution of contaminants at the MW-PD-16 location. The data are needed to determine the proper depth of the screen interval for MW-PD-16.

RECOMMENDED/MODIFICATION: The borehole will be advanced to 200 feet bgs. The groundwater samples will be collected using the same methodology as the previous samples, as described in the QAPP.

INCLUDE IMPACT ON PROJECT OBJECTIVES: The additional sampling will not incur significant time or cost increases and will allow for further vertical delineation of the contaminants of concern to support placement of the screen interval for MW-PD-16.

Signatures:

Seth Kellogg Jr  
Joseph Button (FTL)

2/28/08  
Date

Demetrios Klerides  
Demetrios Klerides  
CDM Site Manager (SM)

2/28/08  
Date

Distribution: Salvatore Badalamenti (EPA Remedial Project Manager)  
Demetrios Klerides (CDM SM)  
Jennifer Oxford (Regional Quality Assurance Coordinator)  
Seth Kellogg (Field Team Manager)  
RAC II Project File 3223-173  
Field Files

**RAC II**  
**Lawrence Aviation Site**  
**FIELD CHANGE REQUEST (FCR) FORM**

REQUEST NO: FCR-8

DATE: 4/14/08

FCR TITLE: MW-PD-14 Additional Sampling

DESCRIPTION: An additional groundwater screening sample will be collected at a depth of 300 - 305 feet below ground surface (bgs) at the location of MW-PD-14. Also, the 300-305 and 270-275 foot samples will be collected from the bottom up.

REASON FOR DEVIATION: An additional groundwater screening sample will match the elevation of the highest concentration detected at MW-PD-16. Samples will be collected from the bottom up because of difficult drilling at this location.

RECOMMENDED/MODIFICATION: In order to collect the deeper groundwater screening sample at this location the methods used will be slightly modified. At these depths drilling has become very hard and allowing the augers to sit in the dense/tight material for an extended period of time is problematic. The initial borehole drilled at this location had to be abandoned because the augers were sheared off from the drill string. To avoid any future loss of augers and to facilitate collection of the necessary screening samples, the two deep samples at MW-PD-14 will be collected using bottom-up methods, which will entail drilling to 305 feet, setting the screen and retracting the augers, allowing the formation to collapse around the screen. The groundwater sample will be collected using the same methodology as the previous samples, as described in the QAPP.

Following collection of the 300 - 305 ft bgs sample the screen will be retracted to a depth of 270 - 275 ft bgs and the 270 - 275 ft bgs groundwater screening sample will be collected using the same methodology as the previous samples, as described in the QAPP. .

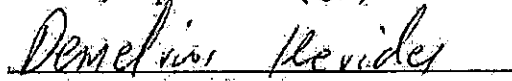


INCLUDE IMPACT ON PROJECT OBJECTIVES: The additional sampling will not incur significant time or cost increases and will allow for further vertical delineation of the constituents of concern in this area. The revised screening sample collection method has been used successfully on other RAC II projects having similar geologic materials. The proposed modification will not affect the project data quality objectives for the collection of groundwater screening samples.

Signatures:

  
Joseph Button (CUL)

4/15/08  
Date

  
Demetrios Klerides  
CDM Site Manager (SM)

4/15/08  
Date

Distribution: Salvatore Badalamenti (EPA Remedial Project Manager)  
Demetrios Klerides (CDM SM)  
Jennifer Oxford (Regional Quality Assurance Coordinator)  
Seth Kellogg (Field Team Manager)  
RAC II Project File 3223-173  
Field Files

RAC II  
Lawrence Aviation Site  
FIELD CHANGE REQUEST (FCR) FORM

REQUEST NO: FCR-9 DATE: 5/7/08

FCR TITLE: MW-PD-15 Alternate Sampling Methodology

DESCRIPTION: At the MW-PD-15 location, groundwater screening samples will be collected using the same methods as documented in FCR-8.

REASON FOR DEVIATION: At MW-PD-15 difficult drilling was encountered, suggesting the possibility of encountering similar problems (augers locking, etc..) that were encountered at previous locations.

RECOMMENDED/MODIFICATION: In order to collect the groundwater screening samples at this location the samples will be collected from bottom to top. This alternate sampling method is documented in FCR-8. The groundwater sample will be collected using the same methodology as the previous samples, as described in the QAPP.

INCLUDE IMPACT ON PROJECT OBJECTIVES: The use of the alternate sampling methods will not have an impact on project objectives.

Signatures:	<u>Seth Kellogg Sr</u>	<u>5/8/08</u>
	Joseph Button (FTL)	Date
	<u>Demetrios Klerides</u>	<u>5/8/08</u>
	Demetrios Klerides	Date
	CDM Site Manager (SM)	

Distribution: Salvatore Badalamenti (EPA Remedial Project Manager)  
Demetrios Klerides (CDM SM)  
Jennifer Oxford (Regional Quality Assurance Coordinator)  
Seth Kellogg (Field Team Manager)  
RAC II Project File 3223-173  
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**RAC II**  
**Lawrence Aviation Site**  
**FIELD CHANGE REQUEST (FCR) FORM**

REQUEST NO: FCR-10

DATE: 5/21/08

FCR TITLE: MW-PD-13 - Sampling Modifications due to Auger Refusal

DESCRIPTION: At the MW-PD-13 monitoring well location, Aquifer Drilling and Testing (ADT) encountered auger refusal at 218 ft (below ground surface) bgs. The groundwater screening sample proposed at 245 feet bgs will be collected at 160 feet. The depths of the remaining two groundwater screening samples will remain unchanged at 185 and 215 feet bgs.

REASON FOR DEVIATION: Difficult drilling conditions were encountered throughout the entire length of the borehole for MW-PD-13 (likely cobbles and potentially boulders). Initial refusal was encountered at approximately 216 ft bgs. The augers were removed from the borehole and the drill head was found to be severely damaged. ADT replaced the drill head, advanced the augers to 216 feet bgs, and attempted to advance the augers to the target depth. The drillers encountered hard drilling and were able to advance the augers to 218-ft bgs, at which point they again encountered auger refusal. Further advancement of the augers risks locking the augers in the borehole, further damage to the augers, and potential loss of the borehole.

RECOMMENDED/MODIFICATION: Due to auger refusal at 218 feet bgs, CDM can not collect the groundwater screening sample planned for 245-ft bgs. A replacement sample will be collected just below the water table from 160-165 ft bgs. This will provide groundwater screening data from 160 feet bgs to 215 feet bgs. The groundwater screening data will be used as the basis to select the screened interval for MW-PD-13.

In order to avoid loss of the borehole and/or locking the augers in the borehole, collection of groundwater screening samples will proceed from the bottom of the borehole (at 218 feet bgs) toward the sample at 160 feet bgs (bottom to top). This alternate sampling method was

documented in FCR-8. The groundwater screening samples will be collected using the same methodology as the previous samples, as described in the QAPP.

INCLUDE IMPACT ON PROJECT OBJECTIVES: The use of the alternate sampling methods will not have an impact on project objectives. As planned, groundwater screening data will be collected to support selection of the screened interval for MW-PD-13. The groundwater screening sample depth modification was discussed with EPA. The groundwater screening data will be discussed with EPA prior to selection of the screened interval for MW-PD-13.

Signatures: Seth Kellogg Sr 5/20/08  
Joseph Button (FTL) Date  
Demetrios Klerides 5/22/08  
Demetrios Klerides Date  
CDM Site Manager (SM)

Distribution: Salvatore Badalamenti (EPA Remedial Project Manager)  
Demetrios Klerides (CDM SM)  
Jennifer Oxford (Regional Quality Assurance Coordinator)  
Seth Kellogg (Field Team Manager)  
RAC II Project File 3223-173  
Field Files

## APPENDIX B

### Soil Boring Logs

PROJECT: Lawrence Aviation Industries						SOIL BORING NO: <b>SBD-PD-16</b>					
LOCATION: Port Jefferson Station, New York											
STARTED: 12/27/08			COMPLETED: 1/4/08			NORTHING: 278509.40 feet			EASTING: 1241569.76 feet		
DRILLING COMPANY: ADT						ELEVATION: 228.76 feet			M.P. ELEV:		
DRILLING EQUIPMENT: Failing F-10						WATER: 195 feet			TOTAL DEPTH: 260.0 feet		
DRILLING METHOD: 3.25" ID Hollow Stem Augers						LOGGED BY: Joe Button			CHECKED BY:		
SAMPLING METHOD: Split-spoon (ASTM D1586)						HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSP, LI					
SURFACE COMPLETION:						VERTICAL DATUM: NAVD88					

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	dis-1,2-DCE	VC
5			Hand augered from 0-6' bgs for utility clearance.				225							
		SW	Dark yellowish brown medium-grained sand, little fine to medium gravel (angular quartz). No odor. Dry.	9 19 23 34	2	2.1								
		SW	Same as above	10 18 17 15	1.5	2.1	220			SBD-PD-16-A	4.9 U	1.9 J	4.9 U	4.9 U
10		SW	Light yellowish brown, fine/medium-grained sand, trace fine gravel (rounded). No odor. Dry.	10 7 5 12	2	7								
		SW	Same as Above	12 8 9 13	1.8	22.1	215							
15		SW	Same as Above	14 8 6 8	1.7	180.1								
		SW	Light yellowish brown, fine/medium-grained sand, trace fine gravel (rounded). No odor. Dry. Loose.	12 18 17 12	1	149								
		SW	Same as Above	22 11 11 13	2	171	210			SBD-PD-16-B	3.8 U	1.9 J	3.8 U	3.8 U
20		SW	Dark yellowish brown medium-grained sand, trace fine/medium gravel. No odor. Dry.	15 17 18 18	1	42.1								
		SW	Same as Above	8 14 13 11	1.1	271	205							
		SW		12 13										

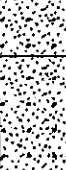

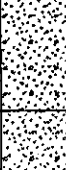





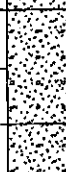

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Raritan Plaza I, Raritan Center  
Edison, NJ 08818  
Telephone: 732-225-7000

SOIL BORING LOG

PROJECT NO. 3223.173

PAGE 1 OF 10



PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-16									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
30		SW	Dark yellowish brown, fine/medium-grained sand, trace fine/medium gravel (cobbles in cuttings). No odor. Dry. Loose.	8 10	1.8	189	200			SBD-PD-16-C	3.7 U	5.1	3.7 U	3.7 U
		SW	(continued) Same as Above	10 8 12 20	1.5	109								
		SW	Same as Above	14 6 12 20	2	7.1								
35		SW	Dark yellowish brown, fine/medium-grained sand, trace fine gravel. No odor. Dry. Mod dense, slightly finer than above.	12 14 16 8	2	60.9	195			SBD-PD-16-D	4.6 U	2 J	4.6 U	4.6 U
		SW	Light yellowish brown, fine to coarse-grained sand, little fine to coarse gravel (sub-rounded). No odor. Dry. Loose. Poorly sorted.	19 17 13 9	1.7	4.7								
		SW	Same as Above. Slightly higher fraction of gravels.	11 20 17 13	1.8	7.9								
40		SW	Same as Above. Less gravel.	18 12 16 15	1.6	62.7	190			SBD-PD-16-E	4.7 U	1.8 J	4.7 U	4.7 U
		SW	Same as Above	20 15 15 18	2	7.1								
		SW	Light yellowish brown fine/medium-grained sand, trace fine/medium gravel (rounded).	19 24 17 19	1.4	33.2								
45		SW	Dark yellowish brown, medium-grained sand, trace fine gravel. No odor. Dry.	24 20 13 17	1	22.7	185			SBD-PD-16-F	4.7 U	1.8 J	4.7 U	4.7 U
		SW	Same as above. Small layer (2-3 slightly finer).	17 20 20 8	1.7	20.9								
		SW	Same as Above	6 11 14 4	1.2	14.2								
50		SW	Dark yellowish brown, fine/medium-grained sand, trace fine to coarse gravel. No odor. Dry.	5 7 10 14	1.8	50.2	180			SBD-PD-16-G	4.7 U	1.8 J	4.7 U	4.7 U
		SW	Light yellowish brown fine/medium-grained sand, trace fine gravel. Dry.	7 10 6 5	1.4	33.7								
		SW												

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SOIL BORING LOG

PROJECT NO. 3223.173

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LAI SOIL BORING LOG LALPRE DESIGN.GPJ LALPRE DESIGN.GPJ 7/30/08 REV.

PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-16									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	dis-1,2-DCE	VC
55		SW	Same as Above (continued)	8 13 15 9	1	5.1	175			SBD-PD-16-F	4.6 U	2.6 J	4.6 U	4.6 U
		SW	Light yellowish brown fine to coarse-grained sand, little fine/medium gravel (rounded). Dry. No odor or staining.	4 6 7 9	1.7	17.2								
		SW	Same as Above. Poor recovery,	10 7 14 4	0.7	42.1								
60		SW	Same as above. Some light/dark color banding (lighter bands slightly coarser)	9 11 10 12	1.9	18.6	170			SBD-PD-16-G	4.8 U	6.2	4.8 U	4.8 U
			No Recovery	15 13 10 19	0	x								
		SW	Same as Above. Banding as above.	2 6 5 12	2	127.1	165							
65		SW	Same as Above	3 5 13 17	1.4	3.8				SBD-PD-16-G	4.8 U	6.2	4.8 U	4.8 U
		SW	Same as Above	14 7 13 13	1.7	7.1								
			No Recovery	6 14 12 6	0	x	160							
70		SW	Light yellowish brown fine/medium-grained sand and fine to coarse gravel. Dry. No odor.	4 8 5 7	2	6.7				SBD-PD-16-G	4.8 U	6.2	4.8 U	4.8 U
		SW	Same as Above	4 6 9 7	2	4								
		SW	Dark yellowish brown fine/medium-grained sand, trace fine gravel. Dry.	8 10 14 35	2	61.7	155							
75		SW	Same as Above.							SBD-PD-16-H	3.9 U	3.9 U	3.9 U	3.9 U
			No Recovery	21 28 30 32	0	x								
		SW	Dark yellowish brown fine/medium-grained sand, trace fine/medium gravel. Dry.	6 11 13 32	1.5	1.8	150							

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SOIL BORING LOG

PROJECT NO. 3223.173

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PAGE 3 OF 10

LAI SOIL BORING LOG LAI-PRE DESIGN GPJ 730108 REV.



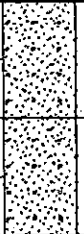
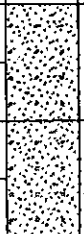
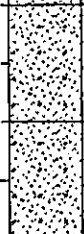


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SOIL BORING LOG

PROJECT NO. 3223.173

PAGE 3 OF 10



PROJECT: Lawrence Aviation Industries					SOIL BORING NO: <b>SBD-PD-16</b>									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PI (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID.	PCE	TCE	cis-1,2-DCE	VC
85		SW	Same as Above. Large piece of gravel in center of spoon	15 44 35 31	1	0	145							
		SW	Same as Above.	16 30 15 17	1.6	27.2								
			No Recovery	21 27 14 21	0	x								
90		SW	Poor recovery, large piece of gravel in spoon.	50 23 50(0.2')	0.5	x	140							
		SW	Light yellowish brown medium/coarse-grained sand, little fine/medium gravel (angular, mostly quartz). Dry. Very loose.	4 7 9 11	1.2	22.1				SBD-PD-16-I	4 U	4 U	4 U	4 U
		SW	Same as above. Some 1-2 layers of darker fine/medium-grained sand.	23 9 10 16	0.8	7.1								
		SW	Same as above. Moist.	20 24 11 5	0.9	57.1								
		SW	Same as Above.	4 5 6 4	1.6	7.1								
95		SW	Same as above. Moist.	4 3 3 4	1	1.2	135							
		SW	Same as Above.	4 5 6 4	1.6	7.1								
		SW	Same as above. Moist.	4 3 3 4	1	1.2								
100		SW	Light yellowish brown medium/coarse-grained sand, some fine/medium gravel. Dry.	4 3 6 33	1	6.8	130			SBD-PD-16-J	4.9 U	1.9 J	4.9 U	4.9 U
		SW	Same as Above.	50 20 8 4	0.6	1.4								
			Poor recovery, obstruction.	10 8 14 10	0.4	0								
105		SW	Same as above. Some 1-2 layers of darker fine/medium-grained sand.	7 9 8 8	1	2.8	125							
		SW		11 50 50(0.2')	1.2	1.1								

LAI SOIL BORING LOG LAI-PRE DESIGN.GPJ LAI-PRE DESIGN.GPJ 7/30/08 REV.



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SOIL BORING LOG

PROJECT NO. 3223.173

PAGE 4 OF 10

PROJECT: Lawrence Aviation Industries					SOIL BORING NO: <b>SBD-PD-16</b>									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
110		SW	Light yellowish brown medium/coarse-grained sand, little fine/medium gravel (rounded to angular). Dry. (continued)	14 17 10 15	1.5	0	120			SBD-PD-16-K	4.8 U	4.8 U	4.8 U	4.8 U
		SW	Same as Above											
		SW	Light yellowish brown medium/coarse-grained sand, little fine/medium gravel (rounded to angular). Moist.	10 11 7 9	1	104								
		SW	Same as Above	4 45 19 20	1.8	17.7	115							
115		SW	Dark yellowish brown medium/coarse-grained sand, trace fine gravel. Dry	8 12 15 9	1.7	7.2				SBD-PD-16-L	5.2 U	5.2 U	5.2 U	5.2 U
		SW	Light yellowish brown fine to coarse-grained sand, trace fine/medium gravel. Loose. Dry.	11 10 12 16	1.9	19.4								
		SW	Same as Above	7 6 14 14	1.4	51.2	110							
		SW	Light yellowish brown medium/coarse-grained sand, some fine/medium gravel. Mod Loose. Dry.	17 30 21 25	0.8	38.1								
120		SW	Same as above. Less gravel. Cobbles in cuttings.	13 24 37 14	1.7	0	105			SBD-PD-16-M	4.5 U	4.5 U	4.5 U	4.5 U
		SW	Same as above.	9 12 6 18	1	4								
		SW	Light yellowish brown fine to coarse-grained sand, trace fine gravel. No odor. Dry.	6 17 18 16	1.8	5.7								
		SW	Same as above.	7 9 13 11	2	9.4	100							
125														
130														
							95							





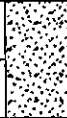

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SOIL BORING LOG

PROJECT NO. 3223.173

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: <b>SBD-PD-16</b>									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	dis-1,2-DCE	VC
140		SW	Same as Above	5 3 7 2	1	0	90			SBD-PD-16-N	4.2 U	4.2 U	4.2 U	4.2 U
145							85							
150		SW	Light yellowish brown fine/medium-grained sand, little fine gravel. No odor.	7 5 22 24	1.3	0	80			SBD-PD-16-O	4.1 U	4.1 U	4.1 U	4.1 U
155							75							
160		SW	Same as above. Rust banding at bottom. No odor.	12 10 13 9	1	18	70			SBD-PD-16-P	4.7 U	4.7 U	4.7 U	4.7 U

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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-16									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
165							65							
170		SW	Light yellowish brown fine/medium-grained sand, little fine gravel. No odor. 2 layers of rust staining.	17 14 26 30	0.9	25	60			SBD-PD-16-Q	4.3 U	4.3 U	4.3 U	4.3 U
175							55							
180		SW	Same as above. 1 thick layer of gravel.	7 11 16 21	1.8	7	50			SBD-PD-16-R	4.7 U	4.7 U	4.7 U	4.7 U
185							45							
		SW	Light yellowish brown fine/medium-grained sand, Gravel absent. Moist.	3 3 5 3	0.7	10	40			SBD-PD-16-S	4.7 U	1.1 J	4.7 U	4.7 U

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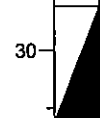






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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-16									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION. (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
195							35							
200		SW	Light yellowish brown fine/medium-grained sand, some fine gravel. Saturated.	3 2 3 5	1.1	3	30			SBD-PD-16- T	4.7 U	4.7 U	4.7 U	4.7 U
205							25			SBD-PD-16- GW-A	0.63	16	0.5 U	0.5 U
210		SW	Same as Above.	2 3 7 8	0.8	0	20							
215							15			SBD-PD-16- U	5.9 U	5.9 U	5.9 U	5.9 U
										SBD-PD-16- GW-B	0.4 U	1	0.5 U	0.5 U

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-16									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
220		SW	Light yellowish brown fine/medium-grained sand, Saturated. No odors.	5 6 8 9	1.1	0	10			SBD-PD-16- V	4.8 U	4.8 U	4.8 U	4.8 U
225							5							
230		SW	Same as Above.	3 2 1 4	1.5	0	0			SBD-PD-16- W	5.8 U	5.8 U	5.8 U	5.8 U
235							-5							
240		SW	Same as Above.	5 3 3 8	1.4	0	-10			SBD-PD-16- X	5.7 U	5.7 U	5.7 U	5.7 U
							-15							

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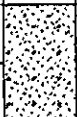

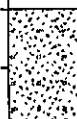



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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-16									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	dis-1,2-DCE	VC
250		SW	Same as Above.	4 3 10 14	1.7	0	-20			SBD-PD-16-Y	6 U	6 U	6 U	6 U
255							-25							
260		SW	Same as Above.	5 5 6 6	1	0	-30			SBD-PD-16-Z	6.6 U	6.6 U	6.6 U	6.6 U
265			Borehole abandoned with grout from 0 to 260 feet. Soil sample results in micrograms per kilogram. Water sample results in micrograms per liter.				-35							
270							-40							

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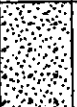



SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: <b>SBD-PD-17</b>				
LOCATION: Port Jefferson Station, New York									
STARTED: 1/7/08		COMPLETED: 1/10/08			NORTHING: 278714.61 feet		EASTING: 1241467.94 feet		
DRILLING COMPANY: ADT					ELEVATION: 228.53 feet		M.P. ELEV:		
DRILLING EQUIPMENT: Falling F-10					WATER: 185 feet		TOTAL DEPTH: 260.0 feet		
DRILLING METHOD: 3.25" ID Hollow Stem Augers					LOGGED BY: Mike Ehnot		CHECKED BY:		
SAMPLING METHOD: Split-spoon (ASTM D1586)					HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSP, LI				
SURFACE COMPLETION:					VERTICAL DATUM: NAVD88				

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
5							225							
10		SW	Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded. Slightly Moist.	26 20 14 18	0.5	0	220			SBD-PD-17-A	4.9 U	4.9 U	4.9 U	4.9 U
			No Recovery	21 27 38 41	0	0								
15							215							
20		SW	Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace coarse Cobble. Moist.	24 7 10 16	1.3	0.8	210			SBD-PD-17-B	4.8 U	4.8 U	4.8 U	4.8 U
							205							

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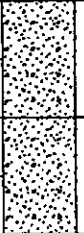
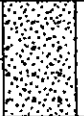
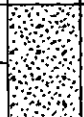
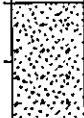
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PROJECT: Lawrence Aviation Industries						SOIL BORING NO: <b>SBD-PD-17</b>								
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
30		SW	Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace coarse-grained Sand, Trace Boulder. Slightly Moist.	39 34 21 12	0.5	3.3	200			SBD-PD-17-C	5.2 U	5.2 U	5.2 U	5.2 U
		SW	Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded. Slightly Moist to Dry.	16 12 15 11	1.8	105								
35							195							
40			No Recovery	15 13 15 14	0	0	190			SBD-PD-17-D	4.4 U	4.4 U	4.4 U	4.4 U
		SW	Brown & Light Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace fine to medium Cobble. Dry.	8 8 10 15	1.7	0								
45							185							
50		SW	Same as Above	10 13 17 24	1.9	23	180			SBD-PD-17-E	4.7 U	4.7 U	4.7 U	4.7 U

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-17									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PI D (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
55							175							
60		SW	Very Light Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded. Dry.	7 10 17 20	1.2	11	170			SBD-PD-17-F	4.6 U	4.6 U	4.6 U	4.6 U
65							165							
70		SW	Light Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace fine to medium Cobble, rounded. Dry.	8 17 20 15	1.9	4.1	160			SBD-PD-17-G	4.6 U	4.6 U	4.6 U	4.6 U
75							155							
		SW	Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace fine to medium Cobble, rounded. Slightly Moist.	13 20 23 12	1.3	0	150			SBD-PD-17-H	4.3 U	7.3	4.3 U	4.3 U

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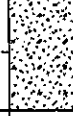




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<b>PROJECT:</b> Lawrence Aviation Industries <b>LOCATION:</b> Port Jefferson Station, New York	<b>SOIL BORING NO:</b> <span style="font-size: 1.2em; font-weight: bold;">SBD-PD-17</span>
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DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
85							145							
90		SW	Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace fine to medium Cobble, rounded. Dry.	9 15 20 17	1.5	4.8	140			SBD-PD-17-I	4.4 U	1.4 J	4.4 U	4.4 U
95							135							
100		SW	Brown fine- to medium-grained Sand, Trace fine to medium Gravel, rounded. Dry.	5 8 7 10	1	0	130			SBD-PD-17-J	5.2 U	1.3 J	5.2 U	5.2 U
105							125							

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-17									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
110		SW	Light Brown & Brown fine- to medium-grained Sand, Trace to Little fine to coarse Gravel & fine to medium Cobble, rounded. Dry.	5 17 19 34	1.1	2.8	120			SBD-PD-17-K	4.4 U	4.4 U	4.4 U	4.4 U
115							115							
120		SW	Same as Above	40 9 15 20	1	0.4	110			SBD-PD-17-L	4.7 U	10	4.7 U	4.7 U
125							105							
130		SW	No Recovery	10 6 9 13	1.1	4.8	100			SBD-PD-17-M	4.8 U	4.8 U	4.8 U	4.8 U
		SW	Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace fine to coarse Cobble, rounded. Dry.											
			White fine- to medium-grained Sand, Dry.											
							95							

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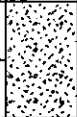

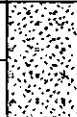

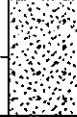

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-17									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	dis-1,2-DCE	VC
140		SW	White fine- to medium-grained Sand, Trace medium to coarse Gravel, rounded @ 137'-140'. Dry.	11 21 27 25	1.7	4.3	90			SBD-PD-17- N	4.4 U	4.4 U	4.4 U	4.4 U
145							85							
150		SW	White fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace fine to medium Cobble, rounded, Dry.	12 11 11 15	1.7	3.9	80			SBD-PD-17- O	4.1 U	4.1 U	4.1 U	4.1 U
155							75							
160		SW	White fine- to medium-grained Sand, Trace fine to medium Gravel, rounded @ 158.1'-158.4'. Dry.	7 12 13 19	1.9	33	70			SBD-PD-17- P	4.8 U	4.8 U	4.8 U	4.8 U

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PROJECT: Lawrence Aviation Industries  
 LOCATION: Port Jefferson Station, New York

SOIL BORING NO: **SBD-PD-17**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	dis-1,2-DCE	VC
165							65							
170		SW	White fine- to medium-grained Sand, Trace medium to coarse Cobble, rounded @ 169.1'-169.4'. Dry.	8 14 11 16	1.9	4	60			SBD-PD-17- Q	4.7 U	4.7 U	4.7 U	4.7 U
175							55							
180		SW	Light Brown & White fine- to medium-grained Sand, Trace fine to medium Gravel, rounded. Dry.	5 16 13 18	2	17	50			SBD-PD-17- R	4.7 U	4.7 U	4.7 U	4.7 U
185							45							
		SW	Light Brown fine- to medium-grained Sand, Trace coarse-grained Sand, Trace fine to medium Gravel, rounded. Wet.	7 9 13 16	1	0	40			SBD-PD-17- S	4.9 U	11	4.9 U	4.9 U

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PROJECT: Lawrence Aviation Industries						SOIL BORING NO: SBD-PD-17								
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
195		SW	Light Brown fine- to medium-grained Sand, Trace fine to medium Gravel, rounded. Wet.	3 4 7 6	2	0	35			SBD-PD-17-GW-A	2.6	200	1.5	0.5 U
		SW	Same as Above	8 3 5 11	2	0								
200		SW	Same as Above	6 5 4 3	2	0	30			SBD-PD-17-T	5.5 U	24	5.5 U	5.5 U
		SW	Same as Above	6 5 4 3	2	0								
205		SW	Same as Above	6 5 4 3	2	0	25			SBD-PD-17-GW-B	0.76	16	0.5 U	0.5 U
		SW	Same as Above	6 5 4 3	2	0								
210		SW	Light Brown fine- to medium-grained Sand, Little coarse-grained Sand, Trace fine to medium Gravel, rounded. Saturated.	16 5 4 7	2	0	20			SBD-PD-17-U	5.5 U	5.5 U	5.5 U	5.5 U
		SW	Light Brown fine- to medium-grained Sand, Little coarse-grained Sand, Trace fine to medium Gravel, rounded. Saturated.	16 5 4 7	2	0								
215							15							

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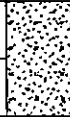

SOIL BORING LOG

PROJECT NO. 3223.173

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LAI SOIL BORING LOG LAI-PRE DESIGN.GPJ LAI-PRE DESIGN.GPJ 7/30/08 REV.

PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-17									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
220		SW	Light Brown fine- to medium-grained Sand, Trace coarse-grained Sand. Saturated.	14 11 6 9	0.5	0	10			SBD-PD-17-V	4.9 U	7.1	4.9 U	4.9 U
		SW	Same as Above	5 11 14 23	1	0								
225							5							
230		SW	Light Brown fine- to medium-grained Sand. Saturated.	16 11 10 5	1.3	0	0			SBD-PD-17-W	5.6 U	3 J	5.6 U	5.6 U
235							-5							
240		SW	Same as Above	12 9 9 16	1.1	0	-10			SBD-PD-17-X	5.5 U	5.5 U	5.5 U	5.5 U
		SW	Same as Above	6 7 10 14	0.6	0								
							-15							

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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-17									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC

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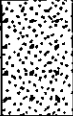

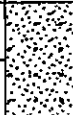

SOIL BORING LOG

PROJECT NO. 3223.173

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PROJECT: Lawrence Aviation Industries						SOIL BORING NO: <b>SBD-PD-18</b>					
LOCATION: Port Jefferson Station, New York											
STARTED: 12/17/07			COMPLETED: 12/21/07			NORTHING: 278571.56 feet			EASTING: 1241479.27 feet		
DRILLING COMPANY: ADT						ELEVATION: 228.93 feet			M.P. ELEV:		
DRILLING EQUIPMENT: Failing F-10						WATER: 185 feet			TOTAL DEPTH: 260.0 feet		
DRILLING METHOD: 3.25" ID Hollow Stem Augers						LOGGED BY: Mike Ehnot			CHECKED BY:		
SAMPLING METHOD: Split-spoon (ASTM D1586)						HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSP, LI					
SURFACE COMPLETION:						VERTICAL DATUM: NAVD88					

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	dis-1,2-DCE	VC
5							225							
10		SW	Brown fine- to medium-grained Sand, Trace to Little fine to coarse Gravel, rounded, Trace fine Cobble, rounded. Slightly Moist.	15 5 7 8	1.2	0.2	220			SBD-PD-18-A	5.4 U	5.4 U	5.4 U	5.4 U
15							215							
20		SW	Brown fine- to medium-grained Sand, Trace coarse Cobble, rounded. Dry.	21 10 10 9	0.9	0	210			SBD-PD-18-B	6 U	6 U	6 U	6 U
							205							








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SOIL BORING LOG

PROJECT NO. 3223.173

PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-18									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	dis-1,2-DCE	VC
30		SW	Brown fine- to medium-grained Sand, Trace fine to medium Gravel, Trace Cobble, rounded, Dry.	9 10 14 21	1	10	200			SBD-PD-18-C	5.7 U	5.7 U	5.7 U	5.7 U
35							195							
40		SW	Light Brown & Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace fine Cobble. Dry.	11 13 13 15	2	19	190			SBD-PD-18-D	3.5 J	48	5.4 U	5.4 U
		SW	Same as Above	8 6 14 16	1	10.2								
45							185							
50		SW	Very Light Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace fine to coarse Cobble, rounded, Dry.	9 8 12 30	1	35.4	180			SBD-PD-18-E	5.5 U	5.5 U	5.5 U	5.5 U

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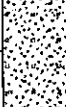

SOIL BORING LOG

PROJECT NO. 3223.173

AT SOIL BORING LOG LAI-PRE DESIGN.GPJ LAI-PRE DESIGN.GPJ 7/30/08 REV.

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-18									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
55							175							
60		SW	Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace fine to coarse Cobble, rounded. Dry.	12 15 15 16	1.4	1.6	170			SBD-PD-18-F	4.9 U	1.8 J	4.9 U	4.9 U
65							165							
70		SW	Light Brown fine- to medium-grained Sand, Trace to Little fine to coarse Gravel, rounded, Trace Cobble. Dry.	9 12 13 14	0.5	0	160			SBD-PD-18-G	4.6 U	4.6 U	4.6 U	4.6 U
		SW	Light Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace fine Cobble. Dry.	10 19 15 50(4")	.1	0								
75							155							
		SW	Same as Above	19 9 16 27	0.1	82.3	150							

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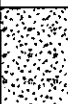







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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries						SOIL BORING NO: SBD-PD-18								
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
			No Recovery	22 33 18 10	0	0								
85							145							
		SW	Same as Above	12 24 23 21	0.2	146	140			SBD-PD-18-I	4.2 U	4.2 U	4.2 U	4.2 U
90		SW	Light Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace fine Cobble, rounded. Dry.	12 19 17 11	0.6	14								
95							135							
		SW	No Recovery	14 17										
		SW	Brown fine- to medium-grained Sand, Trace to Little medium to coarse Gravel, rounded, Trace fine Cobble, rounded. Dry.	13 41	1.4	3.5	130			SBD-PD-18-J	4 U	4 U	4 U	4 U
100			Light Brown fine- to medium-grained Sand, Trace fine Gravel, rounded. Dry.											
105							125							

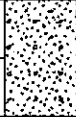

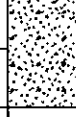



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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-18									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
110		SW	Brown & Light Brown fine- to medium-grained Sand, Little fine to coarse Gravel, rounded. Dry.	65 51 18 26	1.5	2	120			SBD-PD-18-K	3.3 J	3.9 R	3.9 R	3.9 R
115							115							
120		SW	Very Light Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded @ 118.7'-119.6', Little fine to coarse Gravel, rounded, Trace Boulder, rounded @ 119.6'-120'. Dry.	11 13 23 30	1.8	26	110			SBD-PD-18-L	4.6 U	4.6 U	4.6 U	4.6 U
125							105							
130		SW	Very Light Brown fine- to medium-grained Sand, Trace fine to medium Gravel, rounded, Trace medium Cobble, rounded. Dry.	8 11 15 23	1.4	70	100			SBD-PD-18-M	4.4 U	0.95 J	4.4 U	4.4 U
							95							

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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-18									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
140		SW	Same as Above without Cobble	10 14 19 24	1.6	66	90			SBD-PD-18-N	4.6 U	0.92 J	4.6 U	4.6 U
145							85							
150		SW	Very Light Brown fine- to medium-grained Sand, Trace fine Gravel. Dry.	11 17 33 21	1.3	2.4	80			SBD-PD-18-O	1.3 J	4.5 U	4.5 U	4.5 U
155							75							
160		SW	Same as Above	14 24 13 6	1.8	1.7	70			SBD-PD-18-P	4.8 U	4.8 U	4.8 U	4.8 U

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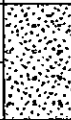



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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-18									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
165							65							
		SW	Same as Above	12 6 13 21	1.9	118	60			SBD-PD-18-Q	4.5 U	4.5 U	4.5 U	4.5 U
170														
175							55							
		SW	Same as Above	18 22 32 41	2	3.5	50			SBD-PD-18-R	5.1 U	1.2 J	5.1 U	5.1 U
180														
185							45							
		SW	Light Brown fine- to medium-grained Sand, Trace coarse-grained Sand, Trace fine Gravel. Wet.	7 6 6 9	2	2.6	40			SBD-PD-18-S	4.3 U	12	4.3 U	4.3 U

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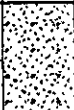








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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-18									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
195		SW	Same as Above	4 6 3 8	2	1.6	35			SBD-PD-18- GW-A	4.7	93	0.54	0.5 U
		SW	Brown to Dark Brown fine- to medium-grained Sand, Trace fine to medium Gravel, rounded. Saturated.	3 1 2 5	1.4	0								
200							30			SBD-PD-18- T	1.5 J	4.3 U	4.3 U	4.3 U
		SW	Same as Above	1 2 4 9	2	1.6								
205							25			SBD-PD-18- GW-B	0.81	10	0.5 U	0.5 UJ
210		SW	Light Brown fine- to medium-grained Sand, Trace to Little coarse-grained Sand, Trace fine Gravel. Wet.	3 5 2 4	0.7	0	20			SBD-PD-18- U	4.7 U	4.7 U	4.7 U	4.7 U
		SW	Same as Above	7 10 13 20	2	0								
215							15							

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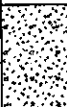



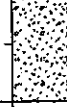

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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries						SOIL BORING NO: SBD-PD-18								
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
220		SW	Same as Above	11 7 9 13	1.1	22	10			SBD-PD-18-V	4.9 U	4.3 J	4.9 U	4.9 U
225							5							
230		SW	Same as Above	6 6 9 12	1.6	0.4	0			SBD-PD-18-W	4.5 U	4.5 U	4.5 U	4.5 U
235							-5							
240		SW	Same as Above with Trace coarse-grained Sand. Saturated.	13 5 11 17	1.1	0.2	-10			SBD-PD-18-X	4.5 U	4.5 U	4.5 U	4.5 U
							-15							

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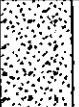

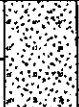



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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-18								
LOCATION: Port Jefferson Station, New York													
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
250		SW	Same as Above	7 4 9 6	1.1	0.3	-20		SBD-PD-18-Y	4.6 U	4.6 U	4.6 U	4.6 U
255							-25						
260		SW	Light Brown fine- to medium-grained Sand, Trace coarse-grained Sand, Trace fine Gravel. Saturated.	11 10 11 9	1.4	0	-30		SBD-PD-18-Z	4.6 U	4.6 U	4.6 U	4.6 U
265			Soil sample results in micrograms per kilogram. Water sample results in micrograms per liter.				-35						
270							-40						

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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: <b>SBD-PD-19</b>				
LOCATION: Port Jefferson Station, New York									
STARTED: 12/5/07		COMPLETED: 12/12/08			NORTHING: 278915.18 feet		EASTING: 1241579.84 feet		
DRILLING COMPANY: ADT					ELEVATION: 229.23 feet		M.P. ELEV:		
DRILLING EQUIPMENT: Failing F-10					WATER: 195 feet		TOTAL DEPTH: 260.0 feet		
DRILLING METHOD: 3.25" ID Hollow Stem Augers					LOGGED BY: Mike Ehnnot		CHECKED BY:		
SAMPLING METHOD: Split-spoon (ASTM D1586)					HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSP, LI				
SURFACE COMPLETION:					VERTICAL DATUM: NAVD88				

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	dis-1,2-DCE	VC
5							225							
		SW	Brown fine- to medium-grained Sand. Moist.	8										
		SW	Brown & Gray Silt, Trace fine-grained Sand. Dry.	8	1.6	0	220			SBD-PD-19-A	3.5 U	3.5 U	3.5 U	3.5 U
10		SW	Orange Brown & Yellow Brown fine- to coarse-grained Sand. Dry to Slightly Moist.	14										
		SW	Orange Brown fine- to coarse-grained Sand, Trace coarse Cobble. Dry.	10	1.2	0								
				9										
				7										
				10										
15							215							
		SW	No Recovery	8										
		SW	Same as Above	18	1.5	11.6	210			SBD-PD-19-B	3.9 U	3.9 U	3.9 U	3.9 U
20		SW	Brown fine- to medium-grained Sand. Dry.	20										
		SW	Light Brown fine- to medium-grained Sand, Trace coarse Gravel. Dry.	22										
							205							

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-19									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
30		SW	Brown fine- to medium-grained Sand, Trace coarse Cobble & coarse Gravel. Slightly Moist.	27 38 50 16	0.6	0	200			SBD-PD-19- C	2.9 U	2.9 U	2.9 U	2.9 U
		SW	Same as Above	17 17 23 24	1.6	5.4								
35							195							
40		SW	Brown fine- to medium-grained Sand, Trace fine to coarse Gravel. Dry.	19 18 17 18	1.5	71	190			SBD-PD-19- D	3 U	1.6 J	3 U	3 U
45							185							
50		SW	Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, subrounded. Dry.	9 18 20 31	1.6	21.4	180			SBD-PD-19- E	3.5 U	1.6 J	3.5 U	3.5 U

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SOIL BORING LOG

PROJECT NO. 3223.173

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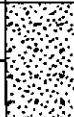



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SOIL BORING LOG

PROJECT NO. 3223.173

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PROJECT: Lawrence Aviation Industries						SOIL BORING NO: <b>SBD-PD-19</b>								
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PI (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
55							175							
60		SW	Light Brown fine- to medium-grained Sand. Dry.	15 21 31 19	1.5	29.6	170			SBD-PD-19-F	3.8 U	3.8 U	3.8 U	3.8 U
65							165							
70		SW	Brown & Light Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, subrd. & rd., Trace coarse Cobble. Dry.	33 49 50(3")	1.4	53.1	160			SBD-PD-19-G	3.6 U	3.8	3.6 U	3.6 U
75							155							
		SW	Brown & Dark Brown fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded. Slightly Moist.	50(3")	0.4	82.7	150			SBD-PD-19-H	2.9 U	8.8	2.9 U	2.9 U

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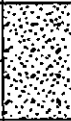



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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries						SOIL BORING NO: SBD-PD-19								
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
			No Recovery	100(0)	0	0								
85							145							
		SW	Coarse Gravel, Trace fine- to medium-grained Sand. Dry.	50(3")	0.1	0	140			SBD-PD-19-I	3.3 U	3.3 U	3.3 U	3.3 U
90		SW	Light Brown fine- to medium-grained Sand, Trace to Little fine to coarse Gravel, Trace Boulders. Dry.	55 43 31 50(1")	1	66.2								
95							135							
		SW	Brown fine- to medium-grained Sand, Trace fine to coarse Gravel. Dry.	7 25 38 45	1.5	27.6	130			SBD-PD-19-J	3.5 U	3.5 U	3.5 U	3.5 U
100														
105							125							

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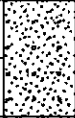






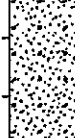
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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries	SOIL BORING NO: <b>SBD-PD-19</b>
LOCATION: Port Jefferson Station, New York	

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	dis-1,2-DCE	VC
110		SW	Brown fine- to medium-grained Sand, Trace fine to medium Gravel. Dry.	50(6") 50(0)	0.5	0	120			SBD-PD-19- K	3.9 U	3.9 U	3.9 U	3.9 U
		SW	Same as Above	48 50(3")	0.5	0.2								
115							115							
120		SW	Brown fine- to medium-grained Sand, Trace fine to medium Gravel, rounded. Dry.	22 40 50(2")	1	7.4	110			SBD-PD-19- L	4.2 U	4.2 U	4.2 U	4.2 U
125							105							
130		SW	Brown fine- to medium-grained Sand, Trace fine to medium Gravel, rounded. Dry.	45 50(2")	0.5	35.7	100			SBD-PD-19- M	3.9 U	3.9 U	3.9 U	3.9 U
		SW	Same as Above	50 50(3")	0.3	8.2								
							95							

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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: <b>SBD-PD-19</b>									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PIID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	dis-1,2-DCE	VC
140		SW	Light Brown fine- to medium-grained Sand, Trace fine to medium Gravel, rounded. Dry.	48 50(1")	0.2	503	90			SBD-PD-19-N	3.4 U	3.4 U	3.4 U	3.4 U
		SW	Same as Above	46 50(1")	0.4	0.1								
145							85							
150			No Recovery	50(0)	0	0	80							
155							75							
160			No Recovery	47 15 17 24	0.8	0	70			SBD-PD-19-P	3.6 U	1.6 J	3.6 U	3.6 U
		SW	Brown fine-grained Sand, Trace medium-grained Sand, Trace fine to medium Gravel, rounded. Dry.											
		SW	Light Brown fine- to medium-grained Sand, Trace fine Gravel. Dry.	25 10 19 23	1.5	0								
			Light Brown fine-grained Sand, Trace											

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SOIL BORING LOG

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-19									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
165			medium-grained Sand, well sorted, Trace fine to coarse Gravel & fine Cobble @ 161.7'-162'. Dry.				65							
170		SW	Light Brown fine- to medium-grained Sand, well sorted, Trace fine to medium Gravel, rounded. Dry.	12 26 50 50(3")	1.1	14.8	60			SBD-PD-19- Q	4 U	4 U	4 U	4 U
175							55							
180		SW	Light Brown fine-grained Sand, Trace medium-grained Sand, well sorted. Dry.	17 29 27 50	1	33.6	50			SBD-PD-19- R	4 U	4 U	4 U	4 U
185							45							
		SW	Same as Above with Trace Orange Brown thin bands @189 feet.	35 30 24 33	1.8	30.6	40			SBD-PD-19- S	3.7 U	3.7 U	3.7 U	3.7 U

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PROJECT: Lawrence Aviation Industries					SOIL BORING NO: SBD-PD-19									
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
195							35							
200		SW	Same as Above, Wet.	12 24 27 35	2	0	30			SBD-PD-19-T	4.2 U	46	4.2 U	4.2 U
205							25			SBD-PD-19-GW-A	0.44 J	12	0.5 U	0.5 U
210		SW	Light Brown fine-grained Sand, Trace medium-grained Sand, Trace fine to medium Gravel, rounded. Wet.	11 7 14 22	2	1.2	20			SBD-PD-19-U	4.2 U	8.5	4.2 U	4.2 U
215							15			SBD-PD-19-GW-B	0.34 J	12	0.5 U	0.5 U

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AT/SOIL BORING LOG LAI-PRE-DESIGN.GPJ LAI-PRE-DESIGN.GPJ 7/3/08 REV.

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LAI SOIL BORING LOG LAI-PRE\_DESIGN.GPJ LAI-PRE\_DESIGN.GPJ 7/30/08 REV.



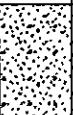





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SOIL BORING LOG

PROJECT NO. 3223.178

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PROJECT: Lawrence Aviation Industries						SOIL BORING NO: <b>SBD-PD-19</b>								
LOCATION: Port Jefferson Station, New York														
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PI D (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
220		SW	Same as Above. Wet.	19 12 16 20	1.5	0.2	10			SBD-PD-19- V	3.8 U	6.5	3.8 U	3.8 U
225							5							
230		SW	Light Brown fine-grained Sand, Trace medium-grained Sand. Wet.	7 12 8 11	2	0.2	0			SBD-PD-19- W	4.2 U	4.2 U	4.2 U	4.2 U
235							-5							
240		SW	Same as Above. Wet.	10 12 14 19	1.9	0.2	-10			SBD-PD-19- X	4 U	4 U	4 U	4 U
							-15							

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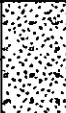

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PROJECT: Lawrence Aviation Industries  
 LOCATION: Port Jefferson Station, New York

SOIL BORING NO:

**SBD-PD-19**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 2 feet)	SPT Blow Counts	RECOV. (feet)	PID (ppm)	ELEV (feet)	SOIL SAMPLE	WATER SAMPLE	SAMPLE ID	PCE	TCE	cis-1,2-DCE	VC
250		SW	Same as Above. Wet.	7 21 17	0.6	0	-20			SBD-PD-19- Y	4.6 U	2.8 J	4.6 U	4.6 U
260		SW	Light Brown fine-grained Sand, Trace medium-grained Sand. Wet.	7 5 11 22	0.9	0	-30			SBD-PD-19- Z	3.9 U	3.8 J	3.9 U	3.9 U
265			Soil sample results in micrograms per kilogram. Water sample results in micrograms per liter.				-35							
270							-40							

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## APPENDIX C

### Monitoring Well Logs

PROJECT: Lawrence Aviation Industries					MONITORING WELL NO: <b>MW-PD-11</b>				
LOCATION: Port Jefferson Station, New York									
STARTED: 1/21/08      COMPLETED: 1/22/08					NORTHING: 280312.47 feet      EASTING: 1239752.51 feet				
DRILLING COMPANY: ADT					ELEVATION: 164.42 feet      M.P. ELEV:				
DRILLING EQUIPMENT: CME 85					WATER:      TOTAL DEPTH: 205.0 feet				
DRILLING METHOD: 6.25" ID Hollow Stem Augers					LOGGED BY: Mike Ehnot      CHECKED BY:				
SAMPLING METHOD: NA					HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSPLI				
SURFACE COMPLETION: Steel Flush-mount					VERTICAL DATUM: NAVD88				

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	Natural Gamma (CPS)	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
0				0 75 150					160	Flush Mount
10									155	- Concrete
20									150	
30									145	
40									140	
50									135	
60									130	
70									125	
80									120	
90									115	
100									110	
110									105	
120									100	
130									95	
140									90	
150									85	
160									80	
170									75	
180									70	
190									65	
200									60	
210									55	
220									50	
230									45	
240									40	
250									35	
									30	
									25	
									20	
									15	
									10	
									5	
									0	
									-5	
									-10	
									-15	
									-20	
									-25	- Bentonite Slurry
									-30	
									-35	- Filter Pack Sand
									-40	- No. 10 Slot Stainless Steel Screen
									-45	
									-50	
									-55	
									-60	
									-65	
									-70	
									-75	
									-80	
									-85	

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LAI MONITORING WELL LOG LAI-PRE DESIGN.GPJ LAI-PRE DESIGN.GPJ 7/30/08 REV.

PROJECT: Lawrence Aviation Industries					MONITORING WELL NO: <b>MW-PD-12</b>				
LOCATION: Port Jefferson Station, New York									
STARTED: 1/30/08      COMPLETED: 1/31/08					NORTHING: 280706.40 feet      EASTING: 1240644.56 feet				
DRILLING COMPANY: ADT					ELEVATION: 143.08 feet      M.P. ELEV:				
DRILLING EQUIPMENT: CME 85					WATER:      TOTAL DEPTH: 245.0 feet				
DRILLING METHOD: 6.25" ID Hollow Stem Augers					LOGGED BY: Mike Ehnot      CHECKED BY:				
SAMPLING METHOD: NA					HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSP, LI				
SURFACE COMPLETION: Steel Flush-mount					VERTICAL DATUM: NAVD88				

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	Natural Gamma (CPS)	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
				0    75    150						<div style="display: flex; align-items: center;"> <div style="flex: 1;"> </div> <div style="flex: 1; padding-left: 10px;"> <p>140 - Concrete</p> <p>135</p> <p>130</p> <p>125</p> <p>120</p> <p>115</p> <p>110</p> <p>105</p> <p>100</p> <p>95</p> <p>90</p> <p>85</p> <p>80</p> <p>75 - Cement/Bentonite Grout</p> <p>70</p> <p>65</p> <p>60</p> <p>55</p> <p>50</p> <p>45</p> <p>40</p> <p>35</p> <p>30</p> <p>25</p> <p>20</p> <p>15</p> <p>10</p> <p>5</p> <p>0 - Bentonite Slurry</p> <p>-5</p> <p>-10</p> <p>-15</p> <p>-20</p> <p>-25</p> <p>-30</p> <p>-35</p> <p>-40</p> <p>-45</p> <p>-50</p> <p>-55</p> <p>-60</p> <p>-65</p> <p>-70</p> <p>-75</p> <p>-80</p> <p>-85</p> <p>-90</p> <p>-95</p> <p>-100</p> <p>-105</p> <p>-110</p> </div> </div>

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PROJECT NO. 3223.173



PROJECT: Lawrence Aviation Industries					MONITORING WELL NO: <b>MW-PD-13</b>				
LOCATION: Port Jefferson Station, New York									
STARTED: 5/14/08      COMPLETED: 5/22/08					NORTHING: 281370.71 feet      EASTING: 1241574.79 feet				
DRILLING COMPANY: ADT					ELEVATION: 177.3 feet      M.P. ELEV:				
DRILLING EQUIPMENT: CME 85					WATER:      TOTAL DEPTH: 185.0 feet				
DRILLING METHOD: 6.25" ID Hollow Stem Augers					LOGGED BY: Mike Ehnott      CHECKED BY:				
SAMPLING METHOD: NA					HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSP, LI				
SURFACE COMPLETION: Steel Flush-mount					VERTICAL DATUM: NAVD88				

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	Natural Gamma (CPS)	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
				0    75    150						<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <div style="text-align: right; margin-right: 5px;">Flush Mount</div> </div> <div style="flex: 1; padding-left: 10px;"> <p>Concrete</p> <p>Cement/Bentonite Grout</p> <p>Bentonite Slurry</p> <p>Filter Pack Sand</p> <p>No. 10 Slot Stainless Steel Screen</p> </div> </div>
10									175	
20									170	
30									165	
40									160	
50									155	
60									150	
70									145	
80									140	
90									135	
100									130	
110									125	
120									120	
130									115	
140									110	
150									105	
160									100	
170									95	
180									90	
190									85	
200									80	
210									75	
220									70	
230									65	
240									60	
250									55	
									50	
									45	
									40	
									35	
									30	
									25	
									20	
									15	
									10	
									5	
									0	
									-5	
									-10	
									-15	
									-20	
									-25	
									-30	
									-35	
									-40	
									-45	
									-50	
									-55	
									-60	
									-65	
									-70	
									-75	

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LAI MONITORING WELL LOG LAI-PRE DESIGN.GPJ LAI-PRE DESIGN.GPJ 7/30/08 REV.

PROJECT: Lawrence Aviation Industries					MONITORING WELL NO: <b>MW-PD-14</b>				
LOCATION: Port Jefferson Station, New York									
STARTED: 4/29/08      COMPLETED: 5/2/08					NORTHING: 282166.23 feet      EASTING: 1240627.49 feet				
DRILLING COMPANY: ADT					ELEVATION: 178.2 feet      M.P. ELEV:				
DRILLING EQUIPMENT: CME 85					WATER:      TOTAL DEPTH: 249.0 feet				
DRILLING METHOD: 6.25" ID Hollow Stem Augers					LOGGED BY: Mike Ehnot      CHECKED BY:				
SAMPLING METHOD: NA					HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSP, LI				
SURFACE COMPLETION: Steel Flush-mount					VERTICAL DATUM: NAVD88				

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	Natural Gamma (CPS)	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
0				75 150					175	Concrete
10									170	
20									165	
30									160	
40									155	
50									150	
60									145	
70									140	
80									135	
90									130	
100									125	
110									120	
120									115	
130									110	
140									105	
150									100	
160									95	
170									90	
180									85	
190									80	
200									75	
210									70	
220									65	
230									60	
240									55	
250									50	
									45	
									40	
									35	
									30	
									25	
									20	
									15	
									10	
									5	
									0	
									-5	
									-10	
									-15	
									-20	
									-25	
									-30	
									-35	
									-40	
									-45	
									-50	
									-55	- Bentonite Slurry
									-60	
									-65	- Filter Pack Sand
									-70	- No. 10 Slot Stainless Steel Screen
									-75	

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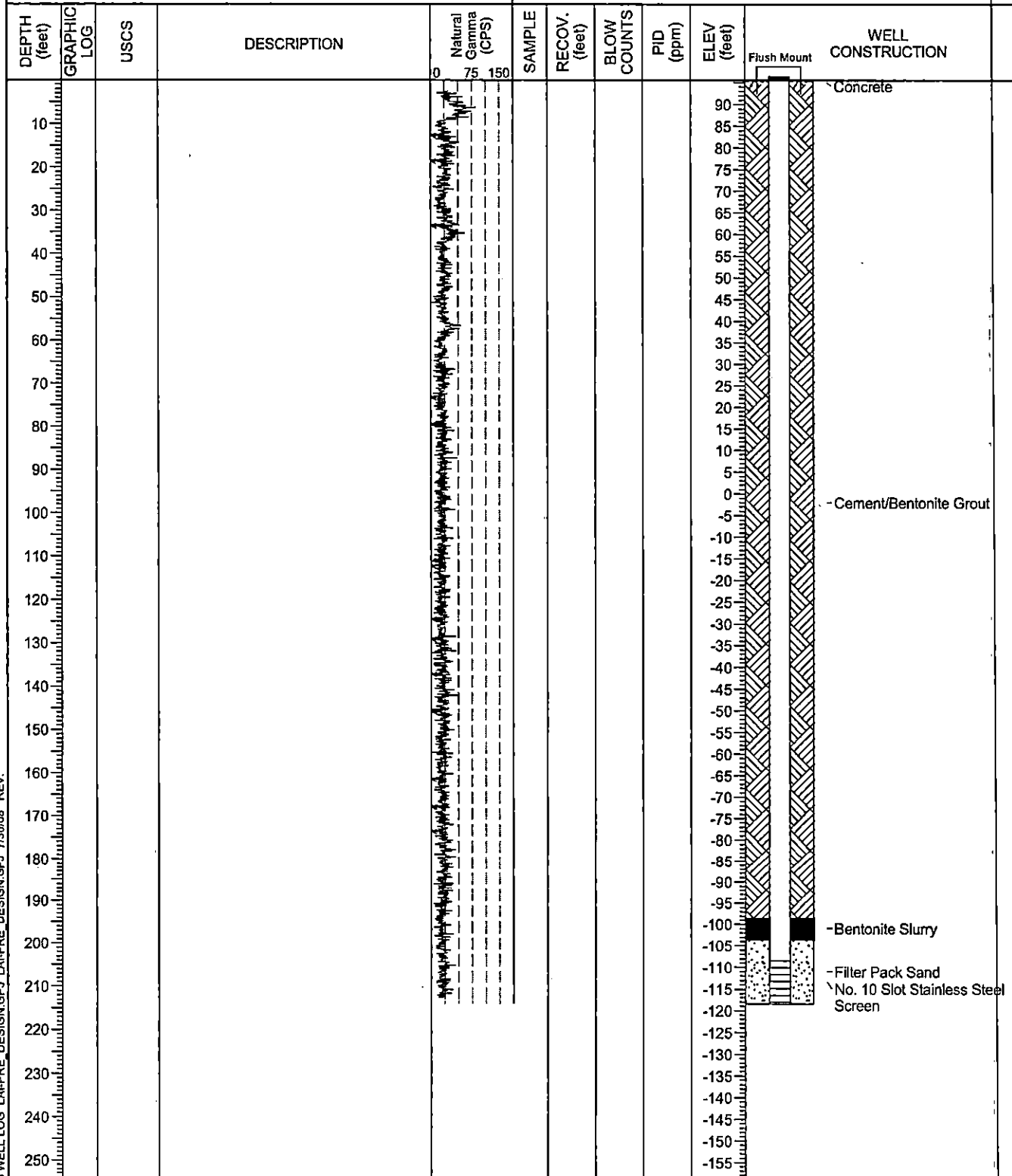
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LAI MONITORING WELL LOG LAI-PRE DESIGN.GPJ LAI-PRE DESIGN.GPJ 7/30/08 REV.

PROJECT: Lawrence Aviation Industries		MONITORING WELL NO: <b>MW-PD-15</b>	
LOCATION: Port Jefferson Station, New York			
STARTED: 5/5/08 COMPLETED: 5/13/08		NORTHING: 284168.40 feet EASTING: 1239734.72 feet	
DRILLING COMPANY: ADT		ELEVATION: 95.54 feet M.P. ELEV:	
DRILLING EQUIPMENT: CME 85		WATER: TOTAL DEPTH: 214.0 feet	
DRILLING METHOD: 6.25" ID Hollow Stem Augers		LOGGED BY: Mike Ehnot CHECKED BY:	
SAMPLING METHOD: NA		HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSP, LI	
SURFACE COMPLETION: Steel Flush-mount		VERTICAL DATUM: NAVD88	



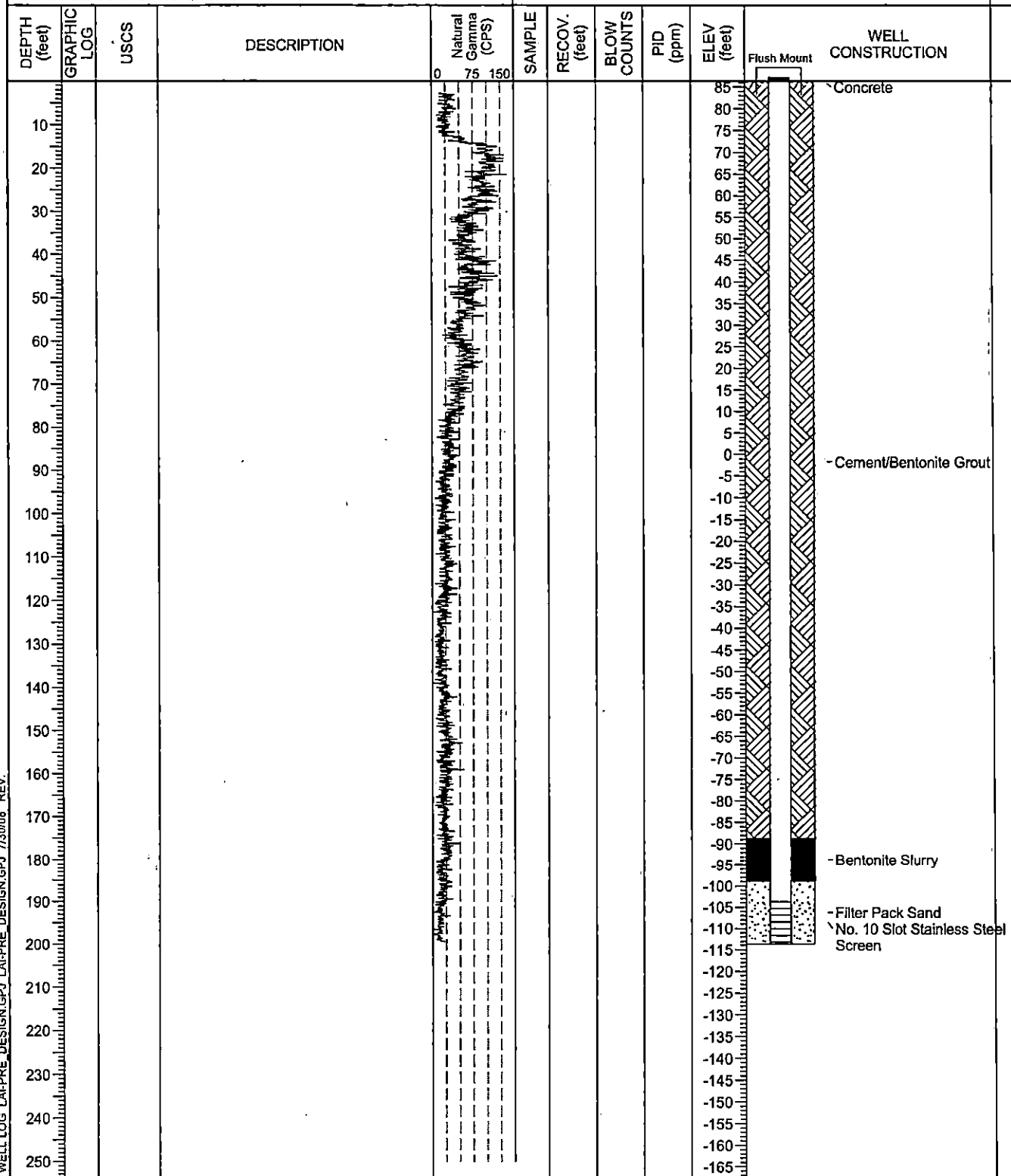
LAI MONITORING WELL LOG LA-PRE DESIGN.GPJ LAI-PRE DESIGN.GPJ 7/30/08 REV.

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PROJECT NO. 3223.173

PROJECT: Lawrence Aviation Industries		MONITORING WELL NO: <b>MW-PD-16</b>	
LOCATION: Port Jefferson Station, New York			
STARTED: 2/21/08		COMPLETED: 4/2/08	
DRILLING COMPANY: ADT		NORTHING: 283265.25 feet	
DRILLING EQUIPMENT: CME 85		EASTING: 1240340.86 feet	
DRILLING METHOD: 6.25" ID Hollow Stem Augers		ELEVATION: 86.31 feet	
SAMPLING METHOD: NA		M.P. ELEV:	
SURFACE COMPLETION: Steel Flush-mount		TOTAL DEPTH: 250.0 feet	
		CHECKED BY:	
		LOGGED BY: Mike Ehnnot	
		HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSP, LI	
		VERTICAL DATUM: NAVD88	



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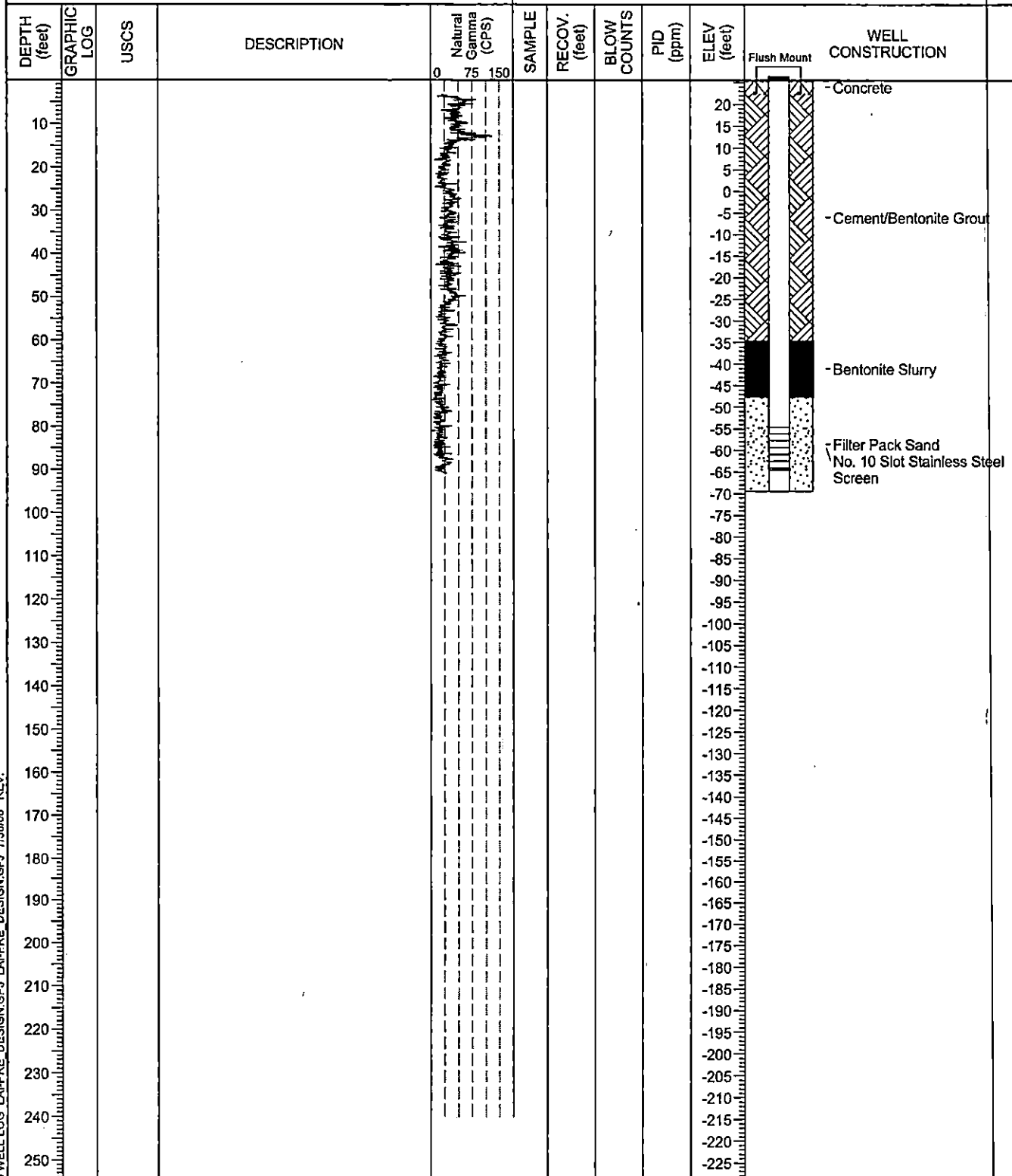


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PROJECT NO. 3223.173

PROJECT: Lawrence Aviation Industries		MONITORING WELL NO: <b>MW-PD-17</b>	
LOCATION: Port Jefferson Station, New York			
STARTED: 2/19/08 COMPLETED: 2/20/08		NORTHING: 283697.93 feet EASTING: 1241728.59 feet	
DRILLING COMPANY: ADT		ELEVATION: 25.49 feet M.P. ELEV:	
DRILLING EQUIPMENT: CME 85		WATER: TOTAL DEPTH: 240.0 feet	
DRILLING METHOD: 6.25" ID Hollow Stem Augers		LOGGED BY: Mike Ehnnot CHECKED BY:	
SAMPLING METHOD: NA		HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSP, LI	
SURFACE COMPLETION: Steel Flush-mount		VERTICAL DATUM: NAVD88	



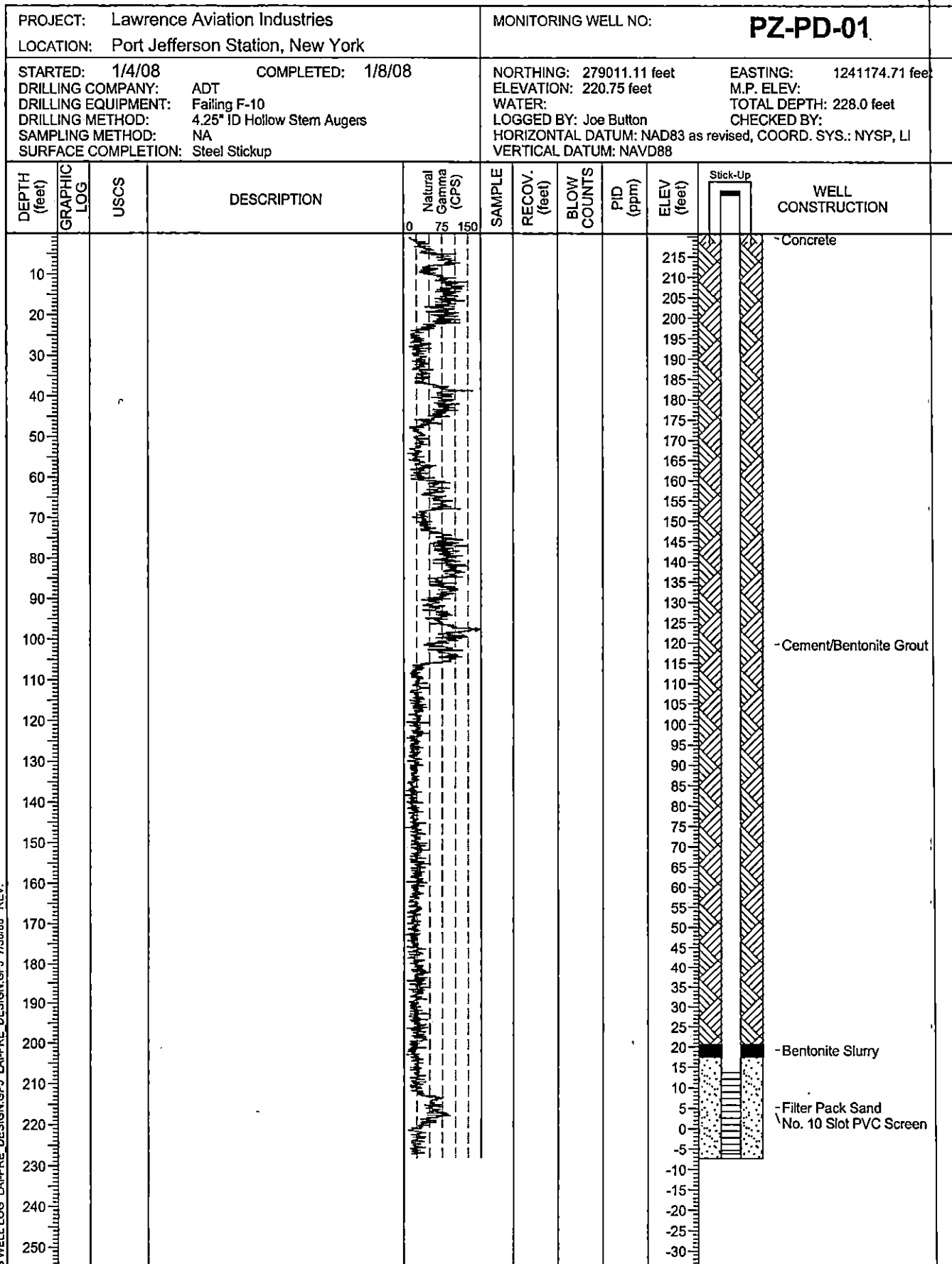
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PROJECT NO. 3223.173

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Monitoring Well Construction Log

PROJECT NO. 3223.173

PROJECT: Lawrence Aviation Industries				MONITORING WELL NO: <b>PZ-PD-02</b>			
LOCATION: Port Jefferson Station, New York							
STARTED: 12/26/08		COMPLETED: 1/2/08		NORTHING: 279065.04 feet		EASTING: 1241159.69 feet	
DRILLING COMPANY: ADT				ELEVATION: 220.08 feet		M.P. ELEV:	
DRILLING EQUIPMENT: Failing F-10				WATER:		TOTAL DEPTH: 228.0 feet	
DRILLING METHOD: 4.25" ID Hollow Stem Augers				LOGGED BY: Andrea Soo		CHECKED BY:	
SAMPLING METHOD: NA				HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSP, LI			
SURFACE COMPLETION: Steel Stickup				VERTICAL DATUM: NAVD88			

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	Stick-Up	WELL CONSTRUCTION
10								215		- Concrete
20								210		
30								205		
40								200		
50								195		
60								190		
70								185		
80								180		
90								175		
100								170		
110								165		
120								160		
130								155		
140								150		
150								145		
160								140		
170								135		
180								130		
190								125		
200								120		
210								115		- Cement/Bentonite Grout
220								110		
230								105		
240								100		
250								95		
								90		
								85		
								80		
								75		
								70		
								65		
								60		
								55		
								50		
								45		
								40		
								35		
								30		
								25		
								20		
								15		- Bentonite Slurry
								10		
								5		
								0		- No. 10 Slot PVC Screen
								-5		Filter Pack Sand
								-10		
								-15		
								-20		
								-25		
								-30		

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PROJECT NO. 3223.173

PROJECT: Lawrence Aviation Industries					MONITORING WELL NO: <b>PZ-PD-03</b>				
LOCATION: Port Jefferson Station, New York									
STARTED: 12/18/07      COMPLETED: 12/21/08					NORTHING: 279087.95 feet      EASTING: 1241091.93 feet				
DRILLING COMPANY: ADT					ELEVATION: 217.94 feet      M.P. ELEV:				
DRILLING EQUIPMENT: Failing F-10					WATER:      TOTAL DEPTH: 228.0 feet				
DRILLING METHOD: 4.25" ID Hollow Stem Augers					LOGGED BY: Joe Button      CHECKED BY:				
SAMPLING METHOD: NA					HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSP, LI				
SURFACE COMPLETION: Steel Stickup					VERTICAL DATUM: NAVD88				

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	Natural Gamma (CPS)	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
				0    75    150						
10									215	- Concrete           
20									210	
30									205	
40									200	
50									195	
60									190	
70									185	
80									180	
90									175	
100									170	
110									165	- Cement/Bentonite Grout           
120									160	
130									155	
140									150	
150									145	
160									140	
170									135	
180									130	
190									125	
200									120	
210									115	- Bentonite Slurry           
220									110	
230									105	
240									100	
250									95	
									90	
									85	
									80	
									75	
									70	
									65	No. 10 Slot PVC Screen Filter Pack Sand
									60	
									55	
									50	
									45	
									40	
									35	
									30	
									25	
									20	
									15	
									10	
									5	
									0	
									-5	
									-10	
									-15	
									-20	
									-25	
									-30	
									-35	

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PROJECT NO. 3223.173

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PROJECT: Lawrence Aviation Industries					MONITORING WELL NO: <b>TW-01</b>				
LOCATION: Port Jefferson Station, New York									
STARTED: 3/19/08		COMPLETED: 4/7/08			NORTHING: 279044.40 feet		EASTING: 1241187.33 feet		
DRILLING COMPANY: ADT					ELEVATION: 220.91 feet		M.P. ELEV:		
DRILLING EQUIPMENT: CME 85					WATER: 181.5 feet		TOTAL DEPTH: 240.0 feet		
DRILLING METHOD: 6 5/8-inch ID HAS					LOGGED BY: Mike Ehnot		CHECKED BY:		
SAMPLING METHOD: Split-spoon (ASTM D1586)					HORIZONTAL DATUM: NAD83 as revised, COORD. SYS.: NYSP, LI				
SURFACE COMPLETION: Steel Stickup					VERTICAL DATUM: NAVD88				

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	Natural Gamma (CPS)	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	Stick-Up	WELL CONSTRUCTION
0				75 150					220		- Concrete
10									215		
20									210		
									205		
									200		

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PROJECT NO. 3223.173

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PROJECT: Lawrence Aviation Industries  
 LOCATION: Port Jefferson Station, New York

MONITORING WELL NO: **TW-01**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	Natural Gamma (CPS)	SAMPLE	RECOV. (feet)	BLOW COUNTS	P/D (ppm)	ELEV (feet)	WELL CONSTRUCTION
30				0 75 150					195	
40									190	
									185	
									180	
									175	
50									170	

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PROJECT NO. 3223.173

PROJECT: Lawrence Aviation Industries					MONITORING WELL NO: TW-01					
LOCATION: Port Jefferson Station, New York										
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	Natural Gamma (CPS)	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
60				75 150					165	
70									160	
									155	
									150	
									145	

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PROJECT NO. 3223.173

PROJECT: Lawrence Aviation Industries					MONITORING WELL NO: TW-01					
LOCATION: Port Jefferson Station, New York										
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	Natural Gamma (CPS)	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
				0 75 150					140	-Cement/Bentonite Grout
									135	
90									130	
									125	
									120	
100									115	

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PROJECT NO. 3223.173

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PROJECT: Lawrence Aviation Industries					MONITORING WELL NO: TW-01					
LOCATION: Port Jefferson Station, New York										
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	Natural Gamma (GPI)	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
110				0 75 150					110	
120									105	
130									100	
									95	
									90	

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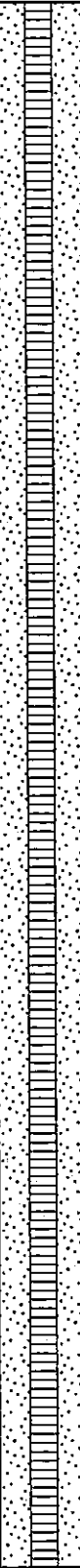
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PROJECT: Lawrence Aviation Industries						MONITORING WELL NO: TW-01					
LOCATION: Port Jefferson Station, New York											
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	Natural Gamma (CPS)	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION	
		SW	Light Brown very fine- to fine-grained Sand, Trace fine to medium Gravel, rounded. Wet.	0 75 150		1.8		0	30	 - Filter Pack Sand  - No. 10 Slot Stainless Steel Screen	
		SW	Light Brown very fine- to fine-grained Sand. Saturated.			1.7		0			
		SW	Light Brown very fine- to fine-grained Sand, Trace medium Gravel. Wet.			1.8		0			
		SW	Light Brown very fine- to fine-grained Sand. Wet.			1.8		0	25		
		SW	Light Brown very fine- to fine-grained Sand, dense. Slightly Moist.			1.6		0			
200		SW	Light Brown very fine- to fine-grained Sand. Very moisture to Wet.			1.8		0	20		
		SW	Light Brown very fine- to fine-grained Sand, dense. Very Moist.			2		0			
		SW	Light Brown very fine- to medium-grained Sand. Very Moist.			0.5		0			
		SW	Light Brown very fine- to medium-grained Sand. Moist.			1.1		0	15		
210		SW	Light Brown very fine- to medium-grained Sand, Trace fine Gravel, subrounded. Very Moist to Wet.			1		0			
		SW	Light Brown very fine- to medium-grained Sand, Trace fine to coarse Gravel, rounded, Trace fine Cobble, rounded. Wet.			1.2		0	10		
		SW	Light Brown fine- to medium-grained Sand, Trace Cobble, rounded. Slightly Moist.			1.7		0			
		SW	Brown Silt, Trace to Little Clay. Dry.			1.1		0			
		SW	Brown Silt, Trace to Little Clay. Dry.			0.3		0	5		

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Monitoring Well Construction Log

PROJECT NO. 3223.173



PROJECT: Lawrence Aviation Industries					MONITORING WELL NO: TW-01					
LOCATION: Port Jefferson Station, New York										
DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	Natural Gamma (CPS)	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
				0 75 150						
		SW								
		SW	No Recovery							
		SW	Brown Silt, Trace to Little Clay. Dry.			1.6		0		
220		SW	Brown Silt w/ Light Brown very thin interbeds of fine- to medium-grained Sand. Dry.							
		SW	Gray very fine- to fine-grained Sand, Trace medium-grained Sand. Dry.			1.4		0	0	
		SW	No Recovery							
		SW	Yellow Brown fine- to medium-grained Sand, Trace fine to coarse Gravel. Wet.			1.5		0		
		SW	Gray fine- to medium-grained Sand. Wet.							
		SW	Yellow Brown fine- to medium-grained Sand, Trace Silt lens. Wet.			1.1		0		
		SW	Gray Silty fine- to medium-grained Sand, laminated, Little orange brown color. Moist.			0.8		0	-5	
		SW	No Recovery							
		SW	Same as Above w/ Odor.							
		SW	Gray to Black Silt, friable. Odor. Dry.			0.6		0		
230		SW	Black stained? Gray very fine- to fine-grained Sand, Trace Silt. Slightly Moist. Odor.							
		SW	No Recovery			0		0	-10	
		SW	Orange Brown & Gray very fine- to medium-grained Sand, laminated, Trace to Little Silt w/ depth. Slightly Moist.			1.1		0		
		SW	No Recovery							
		SW	Gray fine- to medium-grained Sand, Little Orange Brown color., Trace Silt @ 235'-235.2'. Wet to Saturated.			1		0	-15	
		SW	Grayish Yellow Brown fine- to medium-grained Sand. Very Moist to Moist.			1.6		0		
		SW	Grayish Yellow Brown fine- to medium-grained Sand. Wet.			1		0		
240									-20	

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Monitoring Well Construction Log

PROJECT NO. 3223.173

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## APPENDIX D

### Low Flow Sampling Logs

**LAI**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: JANUARY 16, 2008

SAMPLERS: MJE & JB

WEATHER CONDITIONS: SUNNY CLOUDY

SAMPLE ID: MW-PA-11-GW-A

CLP ID:

SAMPLE TIME: 9:10

WELL #: MW-PA-11 ZONE A

DEPTH OF PUMP INTAKE: 187 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 185'-190' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 1 GAL / min ml/minute  
600 XL-BTM / MW 200ml/min

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 6501-WF / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument:  
LAI 1501E 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
		(± 0.3 FT)			(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	L	(± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
15:05	Below PUDGE	137.3								
16:00	~ 30 GAL	STOPPED PURGING								
7:10	RESUME									
8:45	~ 95 GAL	137.7'	DECREASED TO	160 ml/min						
8:50					6.16	0.809	1.10	10.46	77.6	6.39
8:55					6.18	0.808	0.41	10.12	54.9	4.23
9:00					6.19	0.780	0.43	8.62	47.4	4.02
9:03					6.20	0.747	0.45	7.36	41.9	4.27
9:06	400L				6.21	0.729	0.47	7.04	39.6	4.26
9:09	~ 100 gal				6.23	0.714	0.50	6.83	37.7	3.88

drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

IC = Top of Inner Casing

BGS = Below Ground Surface

LHI  
~~OLD ROOSEVELT FIELD~~ GROUNDWATER CONTAMINATION SITE  
 LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: JANUARY 16, 2008  
 SAMPLERS: MJE & JB  
 WEATHER CONDITIONS: SUNNY & CLOUDY, MILD  
 SAMPLE ID: MW-11-BW-B SAMPLE TIME:  
 CLP ID:

WELL #: MW-11 ZONE B  
 DEPTH OF PUMP INTAKE: ~17 ft TIC or ft BGS (circle one)  
 SCREENED/OPEN BOREHOLE INTERVAL: 15'-20' ft TIC or ft BGS (circle one)  
 SAMPLE FLOW RATE: 300 ml/minute

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 600 / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_ Instrument: WMOTTE 202

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
				(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	L	(± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one)	Units: <u>ml/min</u>	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1135	BEGIN PURGE	139.05	300							
1250					6.24	0.494	0.09	15.55	-14.9	>500
1255					6.23	0.505	0.08	15.56	-14.7	>500
1300					6.23	0.513	0.09	15.56	-14.7	>500
1305					6.24	0.505	0.10	15.68	-14.9	>500
	~21 hrs									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top Inner Casing BGS = Below Ground Surface



工#7

100-1211-305

PUMP INTAKE: *2007* # TIC or # BGS (circle one)

OPEN BOREHOLE INTERVAL: 705-710'

LOW RATE: 300 ml/minute

**Instrument:**

(અપા અપા)

U-22

YSI Model # 7

**Instrument Type/Model:**  
**Complete and/or Circle at right**

CLIP ID:

**SAMPLE ID:**

WEATHER CONDITIONS: Sunny & Clear, Mild

## SAMPLERS:

**DATE:**

January 16, 2008  
HSE # 003

[illegible]

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parentheses.

Turbidity = 0 - 500 NTUs

Redox Potential = -100 - +600 mV

 $DO = 0.3 - 10 \text{ mg/L}$ 

**Typical values:**

**TIC = Top of Inner Casing**

BGS = Below Ground Surface

LAJ  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: FEBRUARY 6, 2008

SAMPLERS: JB & MDE

WEATHER CONDITIONS: OVERCAST & MILD

SAMPLE ID: MW-PD-12-GW-AAA SAMPLE TIME: 15<sup>15</sup>

CLP ID:

WELL #: MW-PD-12 ZONE AAA

DEPTH OF PUMP INTAKE: 153 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 150-155 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 1000 ml/minute

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 6010S / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument:  
LAHYTE

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Probe won't fit</i>	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>1310</u>	<u>BEGUN</u>									
<u>1400</u>	<u>PURGE</u>				<u>5.42</u>	<u>0.173</u>	<u>4.81</u>	<u>16.62</u>	<u>192.0</u>	<u>119</u>
<u>1415</u>					<u>5.55</u>	<u>0.183</u>	<u>5.09</u>	<u>16.57</u>	<u>169.9</u>	<u>50</u>
<u>1430</u>					<u>5.54</u>	<u>0.179</u>	<u>5.34</u>	<u>16.53</u>	<u>172.2</u>	<u>40</u>
<u>1445</u>					<u>5.49</u>	<u>0.178</u>	<u>5.21</u>	<u>16.16</u>	<u>176.8</u>	<u>36</u>
<u>1500</u>					<u>5.48</u>	<u>0.178</u>	<u>5.46</u>	<u>16.52</u>	<u>178.1</u>	<u>47</u>
<u>1505</u>					<u>5.52</u>	<u>0.179</u>	<u>5.47</u>	<u>16.75</u>	<u>178.7</u>	<u>56</u>
<u>1510</u>					<u>5.53</u>	<u>0.180</u>	<u>5.21</u>	<u>16.29</u>	<u>178.2</u>	<u>61</u>
<u>1515</u>	<u>~35 gal</u>	<u>130 L</u>			<u>5.56</u>	<u>0.180</u>	<u>5.57</u>	<u>16.40</u>	<u>178.6</u>	<u>47</u>
	<u>ABANDONED</u>									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = 10 ft Inner Casing BGS = Below Ground Surface

**LHI**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: **FEBRUARY 6, 2008**

SAMPLERS: **JB & MOE**

WEATHER CONDITIONS: **OVERCAST & MILD**

SAMPLE ID: **MW-PD-12-GW-AA** SAMPLE TIME: **11:00**

CLP ID:

WELL #: **MW-PD-12 ZONE AA**

DEPTH OF PUMP INTAKE: **2183** ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: **180'-185'** ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: **2000** ml/minute  
**600 XL-B-M 600**

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # **650 TDS** / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_ Instrument: **LA MOORE 2021**

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER (ft) <i>Probe without filter</i>	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: <i>ml/min</i>	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUS
<b>9:41</b>	<b>BELOW PURGE</b>	<b>NA</b>	<b>200</b>							
<b>10:10</b>	<b>RATE SCREEN</b>	<b>TD</b>	<b>600</b>							
<b>10:20</b>	<b>STOP PURGE</b>	<b>REBOUND</b>								
<b>10:35</b>	<b>RESUME PURGE</b>									
<b>10:00</b>					<b>5.86</b>	<b>0.193</b>	<b>8.03</b>	<b>14.92</b>	<b>224.2</b>	<b>900</b>
<b>10:15</b>					<b>6.59</b>	<b>0.210</b>	<b>3.34</b>	<b>17.26</b>	<b>157.8</b>	<b>NA</b>
<b>10:45</b>					<b>6.04</b>	<b>0.180</b>	<b>8.45</b>	<b>15.71</b>	<b>190.8</b>	<b>NA</b>
<b>10:50</b>					<b>6.20</b>	<b>0.182</b>	<b>4.72</b>	<b>15.79</b>	<b>195.1</b>	<b>NA</b>
<b>10:55</b>					<b>6.08</b>	<b>0.186</b>	<b>4.14</b>	<b>16.19</b>	<b>188.6</b>	<b>NA</b>
<b>11:00</b>	<b>~ 25 GALS</b>				<b>5.90</b>	<b>0.193</b>	<b>3.93</b>	<b>16.33</b>	<b>158.6</b>	<b>NA</b>

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parentheses.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUS  
 Spec. Conductivity (µS/cm) = 0.04 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface





LHI  
OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

PAGE 1 OF 1

DATE: January 31, 2008

SAMPLERS: JB & MOK

WEATHER CONDITIONS: Sunny & COLO

SAMPLE ID: MW-PO-12-GW-A SAMPLE TIME: 1615

CLP ID:

WELL #:

MW-PO-12 Zone B

DEPTH OF PUMP INTAKE: 243 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 240-245 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 1500 - 2000 ml/minute  
XL-G-m

Instrument Type/Model:  
Complete and/or Circle at right

SI Model # 6501455 / Horiba U-22 (circle one)  
Other (specify)

Instrument:

LAM data 2008

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	µS/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1100	286W ARGE	15L/MW								
1120	286W ARGE	228.2								
1200		228.7			6.00	0.112	9.55	11.40	208.7	NA
1300		118.7			6.19	0.131	6.80	11.65	298.0	NA
1400		118.65			6.07	0.140	5.85	11.85	291.3	NA
1415		NA			6.03	0.144	5.09	12.30	264.4	60
1430		NA			6.03	0.145	4.95	12.50	263.7	54
1445		NA			6.00	0.147	4.57	12.69	246.9	29
1500		218.65			5.97	0.146	4.26	12.63	240.1	32
1515		NA			5.96	0.146	3.53	12.22	234.9	20

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE:

SAMPLERS:

WEATHER CONDITIONS:

SAMPLE ID:  
CLP ID:

WELL #: MW-PD-12 ZONE B

DEPTH OF PUMP INTAKE: \_\_\_\_\_ ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: \_\_\_\_\_ ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: \_\_\_\_\_ ml/minute

SAMPLE TIME: 1615

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # \_\_\_\_\_ / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1530		NA			6.00	0.147	3.58	12.58	229.6	18.6
1545		NA			5.90	0.148	3.49	12.38	226.0	16.8
1600		118.65			5.91	0.147	3.56	12.33	220.6	17.8
1605		NA			5.91	0.149	3.56	12.39	218.8	12.5
1610		NA			5.90	0.150	3.57	12.57	216.8	14.2
1615		118.65			5.92	0.151	3.48	12.63	214.6	10.9
	~160 gallons									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = \_\_\_\_\_ Inner Casing      BGS = Below Ground Surface

**LHI**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

PAGE 1 of 2

DATE: FEBRUARY 4, 2008

SAMPLERS: JB & MOE

WEATHER CONDITIONS: OVERCAST & COOL

SAMPLE ID: MW-PD-12-GW-C

SAMPLE TIME: 2/5/08 1600

WELL #: MW-PD-12 ZONE C

DEPTH OF PUMP INTAKE: 275 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 270'-275' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 2000 ml/minute

600 XL-300

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 600 XL-300 / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument: LYON 2010

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1315	REG. PURGE	121.25	2000		6.26	0.176	10.25	10.66	225.3	NA
1400		122.1			6.40	0.183	9.10	11.43	245.5	NA
1500		122.1			5.96	0.188	8.79	11.66	252.8	NA
1600		122.1			5.91	0.188	8.44	11.97	244.6	NA
1700		122.1			5.87	0.188	8.35	10.36	240.6	NA
805	RES. PURGE									
85					6.50	0.220	11.35	12.56	162.6	NA
900					6.94	0.201	7.00	12.79	253.0	NA
1000					5.87	0.200	7.60	12.80	248.9	NA
1100					5.83	0.196	7.41	12.86	241.1	NA

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

LAI  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

PAGE 2 of 2

DATE:

SAMPLERS:

WEATHER CONDITIONS:

SAMPLE ID:

CLP ID:

WELL #: MW-12 ZWC

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: ml/minute

SAMPLE TIME: 2:57<sup>00</sup>  
1:00

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # \_\_\_\_\_ / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1200					5.78	0.197	7.79	12.25	238.3	N/A
1300					5.76	0.199	7.61	12.87	240.4	N/A
1400					5.81	0.201	7.78	12.93	236.6	14.9
1500					5.76	0.201	7.69	13.05	240.4	5.4
1550					5.73	0.200	7.86	13.07	240.2	14.7
1555					5.77	0.201	7.96	13.17	236.9	10.3
1600					5.80	0.201	8.14	13.24	234.0	9.4
PURGES ~ 400 GALLONS										

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = T Inner Casing BGS = Below Ground Surface

Lawrence Avia Industries Site  
Development Record

DATE: MAY 20, 2008

SAMPLERS: JB & LOR

WEATHER CONDITIONS: OVERCAST & COOL

SAMPLE ID: MW-PD-13-GW-A

SAMPLE TIME: 1145

CLP ID:

WELL #: MW-PD-13 ZONE A

DEPTH OF PUMP INTAKE: 165 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 160'-165' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 1000 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 650 / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LA MOTE 202

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one)	Units: <u>GPH</u>	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>1000</u>	<u>BEGIN PURGING</u>		<u>20.25</u>							
<u>1030</u>					<u>5.49</u>	<u>0.292</u>	<u>2.27</u>	<u>17.25</u>	<u>234.4</u>	<u>NA BRN</u>
<u>1105</u>	<u>CLEANING SUCHEITY</u>			<u>(MVA) 5.20</u>	<u>5.70</u>					<u>LT. BRN</u>
<u>1130</u>					<u>5.70</u>	<u>0.364</u>	<u>2.41</u>	<u>16.68</u>	<u>156.2</u>	<u>I</u>
<u>1135</u>					<u>5.71</u>	<u>0.376</u>	<u>2.91</u>	<u>16.75</u>	<u>157.2</u>	<u>I</u>
<u>1140</u>					<u>5.54</u>	<u>0.382</u>	<u>2.96</u>	<u>16.83</u>	<u>160.3</u>	<u>2100 LT. BRN</u>

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**Lawrence Aviation Industries Site  
Development Record**

DATE: MAY 20, 2008

SAMPLERS: MJE & JB

WEATHER CONDITIONS: OVERCAST & COOL

SAMPLE ID: MW-PD-13-GW-B

SAMPLE TIME: 9:50

WELL #: MW-PD-13 ZONE B

DEPTH OF PUMP INTAKE: 185 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 180'-195' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 1,000 ml/minute

600 XL-B-M

YSI Model # 140S ~~650~~ Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument: LA MOTE 202

Instrument Type/Model:  
Complete and/or Circle at right

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
				(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	L	(± 10%)
24-Hour	gallons / liters (circle)	ft TIC (ft BGS) (circle one)	Units: GPM	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>8:00</u>	<u>BEGIN PURGING</u>	<u>~150</u>	<u>~0.25</u>							
<u>9:15</u>					<u>5.38</u>	<u>0.202</u>	<u>3.19</u>	<u>16.78</u>	<u>208.2</u>	<u>NA BRN</u>
<u>9:30</u>					<u>5.49</u>	<u>0.208</u>	<u>3.48</u>	<u>16.66</u>	<u>210.6</u>	<u>CLEAR</u>
<u>9:45</u>					<u>5.50</u>	<u>0.210</u>	<u>3.63</u>	<u>16.65</u>	<u>221.1</u>	
<u>9:47</u>					<u>5.60</u>	<u>0.211</u>	<u>3.78</u>	<u>16.61</u>	<u>218.6</u>	
<u>9:50</u>					<u>5.67</u>	<u>0.209</u>	<u>3.81</u>	<u>16.58</u>	<u>218.7</u>	
<u>9:50</u>	<u>STOP/END PURGE</u>	<u>AFTER PURGING ~</u>	<u>20 GALS</u>							

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

TIC = To: \_\_\_\_\_ her Casing

BGS = Below Ground Surface

Lawrence Avia Industries Site  
Development Record

DATE: MAY 19, 2008

SAMPLERS: JB & JOE

WEATHER CONDITIONS: Sunny & Hot

SAMPLE ID: MW-PD-13-GW-C SAMPLE TIME: 1700

CLP ID:

WELL #: MW-PD-13 ZONE C

DEPTH OF PUMP INTAKE: ~213 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 210'-215' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 1,000 ml/minute

600 XL-B-M

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # MOS 652 / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LA-2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: <u>GPM</u>	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
830	BELOW PURGING		0.25							
1100					6.08	0.238	5.77	17.83	212.6	NA
1300					5.30	0.213	4.08	16.41	239.2	NA
1500					5.14	0.210	4.32	16.30	190.7	NA
1645					5.17	0.211	4.31	16.51	187.7	NA
1650					5.07	0.206	4.19	14.73	209.5	NA
1655					5.13	0.206	4.18	14.90	212.3	OVER
1700	STOP/END PURGING	PURGES ~	150 GALS							

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

PAGE 1 of 2

DATE: APRIL 9, 2008

SAMPLERS: MPE

WEATHER CONDITIONS: OVERCAST & COOL

SAMPLE ID: MW-PO-14-GW-A SAMPLE TIME: 1700

CLP ID:

WELL #: MW-PO-14 ZONE A

DEPTH OF PUMP INTAKE: ~243 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 210'-215' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 110 ml/minute  
XLB-M

Instrument Type/Model:  
Complete and/or Circle at right

VSI Model # 600 / Horiba U-22 (circle one)  
Other (specify)

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: L/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
905	136 GW Purged	154.4	1.5							
1000					6.26	0.210	3.72	19.06	180.8	>500
1100					6.43	0.207	2.23	16.02	204.8	>500
1200					6.33	0.201	0.18	15.14	194.9	37
1300					6.01	0.209	0.08	16.48	196.7	21.9
1335	Purged	~110 GWS & BGS								
1400					5.96	0.207	0.03	16.50	195.8	11
1500					5.99	0.218	0.05	16.49	211.1	9.1
1600	165 GWS & BGS				5.97	0.209	0.04	16.12	220.1	8.8
1645					5.97	0.209	0.10	16.37	220.0	6.4

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Toi

er Casing

BGS = Below Ground Surface



Lawrence Aviat Industries Site  
Development Record

PAGE 06 2

DATE:

WELL #: MW-PD-14 Zone A

SAMPLERS:

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS:

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID: MW-PD-14-BW-A SAMPLE TIME:  
CLP ID:

SAMPLE FLOW RATE: ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 650 HAN / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_ Instrument: LARSON

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
16 <sup>50</sup>					5.96	0.209	0.09	16.31	224.0	14
16 <sup>55</sup>		155.6			5.91	0.213	0.13	16.37	224.6	6.6
	Rinced ~ 150 Gms TDH									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

DATE: APRIL 10, 2008

SAMPLERS: MORE

WEATHER CONDITIONS: OVERCAST

SAMPLE ID: MW-PD-H-GW-B  
CLP ID:

SAMPLE TIME: 4/11/08  
10:55

WELL #: MW-PD-14 ZONE B

DEPTH OF PUMP INTAKE: 248 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 240'-245' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 500 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 XLS-BM Horiba U-22 (circle one)  
Other (specify)

Instrument:  
Lanette 202

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
10:35	BEGIN PURGING	154.9	500 ml / 26.5							
10:55		156.35								
11:00					6.57	0.133	0.37	16.33	161.6	N.A. > 520
11:05	PUMP	SHUT OFF - DRIVERS REPAIR PUMP								
1:35	RESUME PURGING		500 / 26.5							
14:00		155.5			6.23	0.160	0.88	19.07	180.2	> 520
15:00		154.8			5.96	0.302	0.47	24.16	213.6	> 520
16:00		155.2			5.94	0.254	0.90	21.06	204.1	CLEARLY
17:00		155.4			5.93	0.246	1.14	19.98	202.5	22
17:00	STOP PURGING TODAY - TO RESUME TOMORROW									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = To Inner Casing BGS = Below Ground Surface

Lawrence Avia Industries Site  
Development Record

PAGE 01-2

DATE: APRIL 11, 2008

SAMPLERS: MVE

WEATHER CONDITIONS: Overcast

SAMPLE ID: MW-PD-14-GW-B

SAMPLE TIME:

CLP ID:

WELL #: MW-PD-14

ZONE B

DEPTH OF PUMP INTAKE:

ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL:

ft TIC or ft BGS  
(circle one)

SAMPLE FLOW RATE:

ml/minute

Instrument Type/Model:

Complete and/or Circle at right

YSI Model # / Horiba U-22 (circle one)  
Other (specify)

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
8:00					5.93	0.223	0.67	17.23	216.0	6.7
9:00					5.97	0.230	0.83	16.92	217.3	2.7
10:00					5.96	0.226	1.12	17.34	228.2	8.3
10:20	Purges ~ 110 GALS TO GROUND							1		
10:30					5.94	0.227	1.87	17.43	218.1	6.5
10:35					5.99	0.230	1.75	17.36	234.1	6.3
10:40					5.97	0.228	1.53	17.30	238.2	5.3
1	Purges ~ 115 GALS TO GROUND									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**Lawrence Aviation Industries Site  
Development Record**

DATE: APRIL 23, 2008

SAMPLERS: JB & LOR

WEATHER CONDITIONS: SVNLY & WARM

SAMPLE ID: MW-PO-14-GW-C

SAMPLE TIME: 1230

CLP ID:

WELL #: MW-PO-14 ZONE C

DEPTH OF PUMP INTAKE: 273 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 270'-275' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 1,000 ml/minute  
600 XL-B-M

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 1005-650 / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument: LA-MOORE 20

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: <u>GPM</u>	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>1030</u>	<u>BEGUN PURGING</u>	<u>N/A</u>	<u>~0.25</u>							
<u>1100</u>					<u>5.89</u>	<u>0.224</u>	<u>2.17</u>	<u>17.40</u>	<u>114.3</u>	<u>NA</u> <sup>GT</sup> <sub>BRN</sub>
<u>1200</u>					<u>5.88</u>	<u>0.220</u>	<u>3.30</u>	<u>17.58</u>	<u>140.3</u>	<u>NA</u>
<u>1215</u>					<u>5.99</u>	<u>0.221</u>	<u>4.00</u>	<u>17.89</u>	<u>151.7</u>	<u>NA</u>
<u>1220</u>					<u>5.99</u>	<u>0.214</u>	<u>3.18</u>	<u>17.62</u>	<u>161.4</u>	<u>NA</u>
<u>1225</u>					<u>6.03</u>	<u>0.220</u>	<u>3.12</u>	<u>17.36</u>	<u>164.5</u>	<u>NA</u> <sup>GT</sup> <sub>BRN</sub>
<u>1230</u>	<u>STOP / END PURGING</u>	<u>AFTER PURGING ~</u>	<u>30 GALS</u>							

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = To Inner Casing

BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

DATE: APRIL 22-23, 2008

SAMPLERS: MSE & JB

WEATHER CONDITIONS: OVERCAST & WIND

SAMPLE ID: MW-PO-14-GW-D

SAMPLE TIME: 9:30

WELL #: MW-PO-14 ZONE D

DEPTH OF PUMP INTAKE: ~288 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 300'-325' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 1,000 ml/minute

Instrument Type/Model: Complete and/or Circle at right					YSI Model # <u>MAS 650</u> / Horiba U-22 (circle one) Other (specify) _____					Instrument: <u>LA-MOTE</u>
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: <u>GPM</u>	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or $\mu$ S/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
4/22 17:40	BEGIN PURGING	NA	~0.25							
18:00					6.36	0.171	11.75	19.65	171.1	NA
4/23 19:00	STOP PURGING	AFTER PURGING ~	25 GALS	30 GAL						
8:00	RESUME PUMPING	157.45	~0.25		5.57	0.221	3.09	15.28	149.3	NA
9:30	190L				5.57	0.221	3.09	15.28	149.3	NA

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial, -55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**Lawrence Aviation Industries Site  
Development Record**

DATE: MAY 7, 2008

SAMPLERS: MOREL & B

WEATHER CONDITIONS: SUNNY & MILD

SAMPLE ID: MW-PO-15-GW-A

CLP ID:

SAMPLE TIME: 12:00

WELL #: MW-PO-15 ZONE A

DEPTH OF PUMP INTAKE: 153 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 150'-155' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 11000 ml/minute

600 XL-B-M

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 1408-650 / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
CAMOTRE 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: gpm	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1050	BEGIN PURGING		0.25							
1135					5.01	0.155	0.13	16.05	383.6	96
1140					4.65	0.156	0.11	15.64	408.3	337
1145					5.24	0.162	0.08	16.66	226.5	NA
1150					4.88	0.155	0.07	15.69	212.7	NA
1155	6.000ml 6L				5.02	0.152	0.08	15.85	205.3	NA LEGAT BRN 7252

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Total Inlet Casing

BGS = Below Ground Surface

Lawrence Avia Industries Site  
Development Record

DATE: MAY 7, 2008

SAMPLERS: MOE & JB

WEATHER CONDITIONS: SUNNY & MILD

SAMPLE ID: MW-P0-15-GW-B SAMPLE TIME: 1030

CLP ID:

WELL #: MW-P0-15 ZONE B

DEPTH OF PUMP INTAKE: 183 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 1,000 ml/minute 180-185

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 1445 600 Horiba U-22 (circle one)  
Other (specify)

Instrument:  
CAMOTEC 202

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
9:30	BEGIN PURGING									
10:05			0.25 gpm		6.16	0.192	0.06	15.31	211.2	76.9
10:10					6.39	0.147	0.08	15.69	196.2	NA
10:15					6.14	0.145	0.07	15.57	199.4	NA
10:20					6.07	0.144	0.06	15.50	199.9	NA
10:25					5.88	0.145	0.06	15.31	210.6	195
10:30	6L				5.87	0.148	0.07	15.37	209.1	55.8

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 5/6 - 5/7/08

WELL #: MW-10-15-GWC

SAMPLERS: JB / ME

DEPTH OF PUMP INTAKE: 212.5 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: 70's. sunny

SCREENED/OPEN BOREHOLE INTERVAL: 210-215 ft TIC or ft BGS (circle one)

SAMPLE ID: MW-10-15-GWC

SAMPLE TIME: 5/7/08 0900 SAMPLE FLOW RATE: 500 ml/minute

CLP ID:       

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600XL-B-M / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LaMotte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE GPM	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <u>GPM</u> <del>ml/min</del>	ft TIC / ft bgs (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>5/6/08 1700</u>	—	<u>NA</u>	<u>1.1</u>	—	<u>6.90</u>	<u>0.118</u>	<u>0.47</u>	<u>12.71</u>	<u>127.8</u>	<u>140</u>
<u>17:20</u>	—		<u>1.1</u>	—	<u>6.43</u>	<u>0.136</u>	<u>0.24</u>	<u>13.12</u>	<u>155.8</u>	<u>7999</u>
<u>17:40</u>	—		<u>1.1</u>	—	<u>6.20</u>	<u>0.233</u>	<u>0.10</u>	<u>13.41</u>	<u>153.4</u>	<u>338</u>
<u>18:00</u>	—		<u>1.0</u>	—	<u>6.33</u>	<u>0.258</u>	<u>0.10</u>	<u>13.29</u>	<u>151.4</u>	<u>75.9</u>
<u>18:20</u>	<u>110 gallons</u>		<u>1.0</u>	—	<u>6.25</u>	<u>0.262</u>	<u>0.08</u>	<u>14.12</u>	<u>152.9</u>	<u>47.1</u>
<u>5/7/08 07:30</u>	—		<u>500 ml/min</u>	—	<u>5.90</u>	<u>0.297</u>	<u>1.70</u>	<u>13.57</u>	<u>236.2</u>	<u>21.0</u>
<u>07:40</u>	—		<u>1</u>	—	<u>6.01</u>	<u>0.273</u>	<u>0.10</u>	<u>13.21</u>	<u>222.1</u>	<u>5.1</u>
<u>07:50</u>	—		<u>1</u>	—	<u>6.20</u>	<u>0.271</u>	<u>0.09</u>	<u>13.41</u>	<u>221.0</u>	<u>10.1</u>
<u>08:00</u>	—		<u>500 ml/min</u>	—	<u>6.15</u>	<u>0.273</u>	<u>0.10</u>	<u>13.28</u>	<u>219.0</u>	<u>9.5</u>
<u>08:10</u>	<u>114 gallons</u>		<u>500 ml/min</u>	—	<u>6.18</u>	<u>0.273</u>	<u>0.10</u>	<u>13.21</u>	<u>220.1</u>	<u>10.3</u>

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      bgs = below ground surface



**LA I**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: **FEBRUARY 21, 2008**

WELL #: **MW PD-16 ZONE A**

AMPLERS: **MOE & JB**

DEPTH OF PUMP INTAKE: **~103** ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: **Sunny & CLOUDY**

SCREENED/OPEN BOREHOLE INTERVAL: **105'-110'** ft TIC or ft BGS (circle one)

SAMPLE ID: **MW-PD-16-GW-A** SAMPLE TIME: **1345**

SAMPLE FLOW RATE: **1.64** ml/minute  
 TO **400 ml/min.**

LP ID:

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # **600 X 155 BT** Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument:  
**LA I 2008**

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
4-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<b>1154</b>	<b>BEGN PURGE</b>	<b>NA</b>								
<b>1215</b>					<b>6.74</b>	<b>0.194</b>	<b>7.10</b>	<b>12.00</b>	<b>188.7</b>	<b>NA</b>
<b>1230</b>					<b>6.20</b>	<b>0.194</b>	<b>6.00</b>	<b>12.35</b>	<b>191.4</b>	<b>NA</b>
<b>1245</b>					<b>6.01</b>	<b>0.205</b>	<b>5.94</b>	<b>12.37</b>	<b>200.2</b>	<b>NA</b>
<b>1300</b>					<b>5.90</b>	<b>0.206</b>	<b>6.60</b>	<b>12.45</b>	<b>202.4</b>	<b>NA</b>
<b>1315</b>					<b>5.88</b>	<b>0.205</b>	<b>7.60</b>	<b>12.47</b>	<b>197.8</b>	<b>NA</b>
<b>1330</b>					<b>5.85</b>	<b>0.202</b>	<b>6.61</b>	<b>12.46</b>	<b>195.3</b>	<b>NA</b>
<b>1337</b>					<b>6.08</b>	<b>0.190</b>	<b>5.85</b>	<b>11.65</b>	<b>188.2</b>	<b>NA</b>
<b>1340</b>					<b>6.02</b>	<b>0.190</b>	<b>5.84</b>	<b>11.45</b>	<b>187.2</b>	<b>NA</b>
<b>1342</b>					<b>5.91</b>	<b>0.189</b>	<b>5.37</b>	<b>11.85</b>	<b>185.0</b>	<b>NA</b>

**PURGED ~ 55-60 GALLONS TOTAL**  
 Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L. Redox Potential = -100 - +600 mV. Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

C = Top of Inner Casing

BGS = Below Ground Surface

*LFI*  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: *FEBRUARY 21, 2008*

AMPLERS: *MOE & JB*

WEATHER CONDITIONS: *SUNNY & CLOUDY*

SAMPLE ID: *MW-PO-16-GW-B*  
 LP ID:

SAMPLE TIME: *18<sup>40</sup>*

WELL #: *MW-PA-16 ZONE B*

DEPTH OF PUMP INTAKE: *~135* ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: *135'-140'* ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: *254* ml/minute

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # *600 XL* / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument:  
*LA 4000*

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
4-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<i>1559</i>	<i>BELOW PUMP</i>	<i>NA</i>								
<i>17<sup>15</sup></i>					<i>6.56</i>	<i>0.172</i>	<i>4.10</i>	<i>11.46</i>	<i>206.0</i>	<i>NA</i>
<i>17<sup>30</sup></i>					<i>6.46</i>	<i>0.178</i>	<i>2.11</i>	<i>11.66</i>	<i>207.6</i>	<i>NA</i>
<i>17<sup>45</sup></i>					<i>6.41</i>	<i>0.183</i>	<i>7.57</i>	<i>11.71</i>	<i>203.4</i>	<i>NA</i>
<i>18<sup>00</sup></i>					<i>6.26</i>	<i>0.186</i>	<i>7.01</i>	<i>11.81</i>	<i>208.1</i>	<i>NA</i>
<i>18<sup>15</sup></i>					<i>6.23</i>	<i>0.188</i>	<i>8.03</i>	<i>11.73</i>	<i>211.0</i>	<i>NA</i>
<i>18<sup>30</sup></i>					<i>6.08</i>	<i>0.190</i>	<i>8.68</i>	<i>11.90</i>	<i>213.0</i>	<i>NA</i>
<i>18<sup>45</sup></i>					<i>6.09</i>	<i>0.193</i>	<i>8.88</i>	<i>12.03</i>	<i>211.6</i>	<i>NA</i>
<i>18<sup>40</sup></i>	<i>STOP / END PUMP</i>	<i>PURGES ~ 140 GALS TOTAL</i>								

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

C = Top of Inn.      sing      BGS = Below Ground Surface

44 L  
OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: February 25, 2008

AMPLERS: MJE/JSB

WEATHER CONDITIONS: Sunny & Cool

SAMPLE ID: MW-PD-16-GW-C

LP ID:

SAMPLE TIME: 1400

WELL #: MW-PD-16 ZONE C

DEPTH OF PUMP INTAKE: ~167 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 165'-170' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 34/mw. ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

VST Mode # 600X200 m Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
1/10/08 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
4-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
9:30	BEGIN PURGING									
9:54	STOPPED PURGING	Let Recharge								
10:15	RESUME PURGING	74.45	PURGES ~ 25 GALS	5 FAR						
11:00		74.45	PURGES ~ 25 GALS	5 FAR						
12:45					5.85	0.245	3.47	12.84	188.0	13.5
13:15					5.71	0.247	3.56	12.87	194.3	6.2
13:45					5.69	0.244	2.62	12.75	203.7	5.1
13:50					5.74	0.252	2.80	12.74	205.8	4.6
13:55					5.83	0.248	2.63	12.82	209.2	4.2
14:00	~210 mls				5.86	0.248	2.55	12.87	210.6	5.3

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

C = Top of Inner Casing

BGS = Below Ground Surface

DTW DATA  
11:5 80.3 12:00 80.5

LAI  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: FEBRUARY 28, 2008

AMPLERS: FOE #08

WEATHER CONDITIONS: SUNNY & COOL

SAMPLE ID: MW PO-16 - BWS D.

LP ID:

SAMPLE TIME: 17<sup>00</sup>

WELL #: MW PO-16 ZONE D

DEPTH OF PUMP INTAKE: ~197 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 195'-200' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 2.54 ml/minute  
XBGM

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 600 / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument:  
LAI 600 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
4-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
13 <sup>35</sup>	<u>BEGIN PURGING</u>	<u>NA</u>			<u>6.20</u>	<u>0.287</u>	<u>3.49</u>	<u>11.21</u>	<u>204.4</u>	<u>MW 3/5</u>
14 <sup>00</sup>					<u>6.20</u>	<u>0.287</u>	<u>3.49</u>	<u>11.21</u>	<u>204.4</u>	<u>NA</u>
14 <sup>30</sup>	<u>55 GALS SO FAR</u>									
15 <sup>00</sup>					<u>6.01</u>	<u>0.404</u>	<u>3.30</u>	<u>11.00</u>	<u>227.4</u>	<u>NA</u>
15 <sup>30</sup>	<u>110 GALS SO FAR</u>									
16 <sup>00</sup>					<u>6.03</u>	<u>0.417</u>	<u>3.08</u>	<u>11.23</u>	<u>236.3</u>	<u>12</u>
16 <sup>30</sup>	<u>165 GALS SO FAR</u>									
16 <sup>45</sup>					<u>5.80</u>	<u>0.454</u>	<u>2.81</u>	<u>12.59</u>	<u>225.4</u>	<u>TURB 148-149</u>
16 <sup>50</sup>					<u>5.76</u>	<u>0.440</u>	<u>2.60</u>	<u>12.28</u>	<u>225.3</u>	<u>"</u>
16 <sup>55</sup>					<u>5.69</u>	<u>0.459</u>	<u>2.56</u>	<u>12.51</u>	<u>225.0</u>	<u>"</u>

~210 gallons

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Specific Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

C = Top of Installation

BGS = Below Ground Surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: MARCH 5, 2008

WELL #: MW-PO-16 ZONE E

SAMPLERS: MOE DOB

DEPTH OF PUMP INTAKE: ~228 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Partly Sunny & Clear

SCREENED/OPEN BOREHOLE INTERVAL: 225-230 ft TIC or ft BGS (circle one)

SAMPLE ID: MW-PO-16-GW-E

SAMPLE TIME: 1500

SAMPLE FLOW RATE: 12 ml/minute

CLP ID:

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 1000 XL-B-M Horiba U-22 (circle one)  
Other (specify)

Instrument:  
LAI STATE 2008

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>9:02</u>	<u>BEGIN PURGE</u>	<u>NA</u>	<u>9:30 PUMP START OFF</u>	<u>11:00 PUMP START OFF</u>						
<u>13:00</u>	<u>RESUME PURGING</u>		<u>12</u> ml/min.							
<u>14:15</u>					<u>6.06</u>	<u>0.241</u>	<u>7.31</u>	<u>12.49</u>	<u>171.3</u>	<u>&gt; 500</u>
<u>16:45</u>	<u>PURGE A TOTAL</u>	<u>~70 GALLONS</u>								
<u>8:10</u>	<u>RESUME PURGING</u>		<u>~0.25 GPM</u>							
<u>9:00</u>					<u>5.63</u>	<u>0.266</u>	<u>4.41</u>	<u>12.73</u>	<u>183.2</u>	<u>NA</u>
<u>12:30</u>	<u>PURGE A TOTAL</u>	<u>~125 GALLONS</u>	<u>80</u> GPM							
<u>12:30</u>			<u>12</u> ml/min.							
<u>13:00</u>					<u>6.50</u>	<u>0.275</u>	<u>2.95</u>	<u>13.00</u>	<u>197.0</u>	<u>NA</u>
<u>14:00</u>					<u>6.20</u>	<u>0.272</u>	<u>3.65</u>	<u>12.26</u>	<u>207.1</u>	<u>NA</u>
<u>14:45</u>	<u>~160 gallons total</u>				<u>6.22</u>	<u>0.269</u>	<u>3.43</u>	<u>12.90</u>	<u>214.4</u>	<u>NA</u>

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

(Purge)

TIME	PH	SC	DO	T	DP	YUCS
450	5.80	<del>0.277</del>	<del>3.16</del>	<del>12.89</del>	<del>203.2</del>	NA
455	5.69	0.277	3.07	12.86	194.0	NA

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: March 6-7 2008

WELL #: PUR PA 16 ZONE F

SAMPLERS: Mold JB

DEPTH OF PUMP INTAKE: 244 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS:

SCREENED/OPEN BOREHOLE INTERVAL: 245-250 ft TIC or ft BGS (circle one)

SAMPLE ID: PUR PA-16-GW-F  
CLP ID:

3/308  
SAMPLE TIME: 1230

SAMPLE FLOW RATE: 1.1 Lits ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 XL-B-M, Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Carroll 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1340	<u>RESUME PURGING</u>		<u>1.1 L/min</u>							
1500			<u>500ml/2.5min</u>		<u>5.56</u>	<u>0.190</u>	<u>7.05</u>	<u>12.87</u>	<u>-180.0</u>	<u>NA</u>
1630	<u>RESUME ~ 55 GALS SO FAR</u>									
1800	<u>STOP PURGING - PURGING ~ 90 GALS SO FAR</u>									
820	<u>RESUME PURGING</u>		<u>500ml/2.5min</u>							
935	<u>STOP PURGING</u>									
940	<u>RESUME PURGING</u>									
940	<u>PURGING 4 INJUNCTION ~ 180 GALS</u>			<u>RESUME PURGING 500ml/2.5min</u>						
1900					<u>5.65</u>	<u>0.217</u>	<u>3.51</u>	<u>11.96</u>	<u>170.2</u>	<u>NA</u>
1035				<u>PURGING</u>	<u>500/2.5 min</u>					
1050	<u>PUMP SHUT OFF</u>									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, -55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

1120 RE-START PUMP . . . A . . . for CLP . . . 11/16.

LH L  
OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: FEBRUARY 12, 2008

AMPLERS: TB & MOE

WEATHER CONDITIONS: SUNNY, WINDY & COLD

SAMPLE ID: MW-PD-17-GW-A

SAMPLE TIME: 1500

LP ID:

WELL #: MW-PD-17 ZONE A

DEPTH OF PUMP INTAKE: 73 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 70-75 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 1000 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 XLO3M / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LA 1000E 200

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
4-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1200	BEGIN PURGE	8.5								
1215		11.9			6.10	0.147	9.23	10.33	207.8	NA
1245		11.9			6.08	0.161	7.93	11.01	213.8	NA
1300		<del>11.9</del>			6.14	0.162	7.21	11.24	215.7	NA
1330					6.17	0.167	8.03	11.29	212.0	NA
1400	CHANGE LOG FOR DUE TO JETS				Brassy					
1450					6.36	0.157	8.05	10.05	200.5	127
1454					6.40	0.160	7.88	10.16	200.8	126
1457					6.41	0.160	7.81	10.18	198.8	67
	~50 gals									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

C = Top of Inlet      sing      BGS = Below Ground Surface



**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: **FEBRUARY 13, 2008**

WELL #: **MW PA-17 Zone B**

AMPLERS: **MOR & B**

DEPTH OF PUMP INTAKE: **83** ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: **Low to Heavy**

SCREENED/OPEN BOREHOLE INTERVAL: **80-85'** ft TIC or ft BGS (circle one)

SAMPLE ID: **MW PA-17-GWB** SAMPLE TIME: **1330**  
 LP ID:

SAMPLE FLOW RATE: **4 L/min** ml/minute  
**400 ml/min**

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # **600 XLT** Horiba U-22 (circle one)  
 Other (specify):

Instrument:  
**Water**

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
4-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
10 <sup>15</sup>		<b>B.6</b>								
10 <sup>20</sup>	<b>Below PUMP</b>		<b>4 L/min</b>							
10 <sup>30</sup>	<b>STOP PUMP</b>	<b>Control Box - MALFUNCTION</b>								
10 <sup>50</sup>	<b>Restart PUMP</b>	<b>11.8</b>								
11 <sup>00</sup>					5.11	0.147	9.00	11.96	198.6	NA
12 <sup>00</sup>		<b>11.5</b>			5.44	0.135	6.00	11.73	200.9	NA
13 <sup>00</sup>		<b>11.5</b>			5.41	0.137	5.41	12.06	197.8	NA
13 <sup>05</sup>	<b>Purges ~</b>	<b>165 GALS to FAR</b>								
13 <sup>10</sup>					5.33	0.137	5.38	11.88	198.0	<b>147</b>
13 <sup>20</sup>					5.36	0.133	5.36	11.83	196.0	<b>141</b>
13 <sup>30</sup>	<b>~ 140 gallons</b>				5.36	0.136	5.36	11.86	195.6	<b>141</b>

drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

C = Top of Inner Casing

BGS = Below Ground Surface

LHI  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: February 13, 2008

AMPLERS: MSR & JB

WEATHER CONDITIONS: RAINING HEAVILY

SAMPLE ID: MW-PD-17 - GWC

SAMPLE TIME: 1700

LP ID:

WELL #: MW-PD-17 ZONE C

DEPTH OF PUMP INTAKE: ~93 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 90'-95' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 4 L/MIN ml/minute

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # YSI 6004 Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument:  
LAMPRELOO

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
4-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>1430</u>	<u>BEGIN PURGE</u>	<u>NA</u>	<u>4 L/MIN</u>	<u>1500</u>	<u>5.84</u>	<u>0.062</u>	<u>3.83</u>	<u>11.44</u>	<u>188.9</u>	<u>NA</u>
<u>1600</u>	<u>110 GALLONS</u>				<u>5.84</u>	<u>0.059</u>	<u>4.34</u>	<u>11.96</u>	<u>188.6</u>	<u>NA</u>
<u>1630</u>					<u>5.84</u>	<u>0.058</u>	<u>4.14</u>	<u>11.88</u>	<u>197.6</u>	<u>NA</u>
<u>1645</u>					<u>5.83</u>	<u>0.058</u>	<u>4.12</u>	<u>11.69</u>	<u>193.6</u>	<u>NA</u>
<u>1650</u>					<u>5.89</u>	<u>0.057</u>	<u>4.82</u>	<u>11.84</u>	<u>184.9</u>	<u>29.3</u>
<u>1655</u>					<u>6.07</u>	<u>0.056</u>	<u>4.73</u>	<u>11.54</u>	<u>180.6</u>	<u>49</u>
<u>1700</u>					<u>6.12</u>	<u>0.056</u>	<u>4.93</u>	<u>11.45</u>	<u>179.0</u>	<u>20.7</u>
	<u>~175 gallons</u>									

drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

C = Top of Intake Pipe BGS = Below Ground Surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11/27/07

SAMPLERS: Bue WERT, JOE BUTTON

WEATHER CONDITIONS: Partly Cloudy, 55°F

SAMPLE ID: MPW-01-PD-A-R1 SAMPLE TIME: 1035  
CLP ID: 846D7

WELL #: MPW-01 Port #1/A

DEPTH OF PUMP INTAKE: 165 ft TIC or BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 160-170 ft TIC or BGS (circle one)

SAMPLE FLOW RATE: ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 100 XL Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LA MOTT 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <u>Drive/Vent</u> <u>P&amp;T</u>	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons, <u>liters</u> (circle one)	ft TIC / ft bgs (circle one)	Units: <u>ml/min</u>	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or <u>µS/cm</u> (circle one)	mg/L (not %)	Units: °C	mV	NTUs
0945		12/11 135	250		5.81	0.321	2.91	11.64	61.5	1.35
0950		12/11 135	250		5.80	0.321	2.54	11.65	49.5	1.05
0955		12/11 135	250		5.80	0.322	2.41	11.62	43.2	1.00
1000		12/11 135	250		5.77	0.324	2.62	11.64	38.5	0.78
1005		12/11 135	250		5.77	0.324	2.86	11.65	30.4	0.81
1010		12/11 135	250		5.77	0.324	2.91	11.63	27.4	0.85
1015		12/11 135	250		5.77	0.324	3.26	11.65	25.3	1.0
1020		12/11 135	250		5.76	0.324	3.39	11.67	19.2	0.95
1025		12/11 135	250		5.76	0.325	3.83	11.71	17.0	0.89
1030	15	12/11 135	250		5.76	0.325	3.90	11.72	16.1	0.80

\* Purged Simultaneously with Port #2/B

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

**LAI SUPERFUND SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11/27/07

WELL #: MPW-01 Port #2 (B)

SAMPLERS: Bill West, Joe Dutton

DEPTH OF PUMP INTAKE: ~~165~~ 185 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Partly Cloudy, 55°F

SCREENED/OPEN BOREHOLE INTERVAL: ~~160-170~~ 185-195 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-01-PD-B-R1 SAMPLE TIME: 10:30

SAMPLE FLOW RATE: ~250 ml/minute

CLP ID: B4GDB

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600XL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LAMOTT 2000

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>ft TIC / ft BGS</i>	FLOW RATE <i>ml/min</i>	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
0950		12/11 135psi	250		5.52	0.327	9.26	11.58	102.7	—
0955		—	—		5.52	0.327	9.32	11.59	106.9	0.00 - below
1000		—	—		5.52	0.328	9.48	11.58	130.9	0.00 - below
1005		12/11 135	250		5.52	0.329	9.60	11.60	145.3	0.00 - below
1010		—	—		5.53	0.329	9.71	11.59	154.3	0.00 - below
1015		—	—		5.53	0.329	9.78	11.62	152.3	—
1020		12/11 135	250		5.53	0.329	9.85	11.62	159.8	0.00
1025	~15 Liters	12/11 135	250		5.53	0.329	—	11.72	160.6	0.00 - below

Collected sample @ 10:30

Note: Pumped steadily with Port 1

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing

bgs = below ground surface

**LAI SUPERFUND SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11/27/07

WELL #: MPW-01 PORT #3 (C)

SAMPLERS: Bill Weert, Joe Button

DEPTH OF PUMP INTAKE: 215 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: PARTLY CLOUDY, 55°F

SCREENED/OPEN BOREHOLE INTERVAL: ~~160-170~~ 210-220 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-01-PD-C-R1 SAMPLE TIME: 11:35

SAMPLE FLOW RATE: ml/minute

CLP ID: B4609

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 XL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LAURENT

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Draw/Vent</i> - PSI	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / <u>liters</u> (circle one)	ft TIC / ft bgs (circle one)	Units: <u>ML/MIN</u>	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or $\mu$ S/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1050		12/11 135	250		6.91	0.290	4.38	11.74	-49.8	0
1055		12/11 135	250		7.15	0.290	2.98	11.64	-43.6	0
1100		12/11 135	250		7.19	0.291	2.64	11.65	-42.0	0
1105		12/11 135	250		7.23	0.291	2.17	11.61	-38.9	0
1110		12/11 135	250		7.24	0.291	1.86	11.67	-36.4	0
1115		12/11 135	250		7.26	0.293	1.65	11.65	-34.3	0
1120		12/11 135	250		7.27	0.293	1.60	11.65	-30.8	0
1125		12/11 135	250		7.29	0.290	1.54	11.66	-28.0	0
1130		12/11 135	250		7.29	0.292	1.52	11.67	-27.1	0
1135										

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

page 1 of 1  
(1st Attempt)

DATE: 11-26-07

SAMPLERS: ME, JR, BW

WEATHER CONDITIONS: overcast 40-45°

SAMPLE ID: MPW-02-PD-A-R1

SAMPLE TIME:

CLP ID: B4GE4

WELL #: MPW-02 Port A = 1

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 200 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 650 MD5 Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Lamotte

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE <i>Free Flow</i>	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, mS/cm² or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1440	<i>Begin</i>	<i>1456</i>	<i>130 PSI</i>	<i>Δ 165</i>	<i>6.20</i>	<i>0.425</i>	<i>5.43</i>	<i>11.28</i>	<i>165.8</i>	<i>0.12</i>
<del>1456</del>	<del>400</del>	<i>"</i>	<i>15</i>	<i>Δ</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
1501	1,400		130 PSI	<i>Δ 165</i>	6.09	0.417	4.16	11.84	165.6	0
1506	2,400		130 PSI	<i>Δ 165</i>	6.06	0.417	3.97	11.89	165.4	0
1511	3,400		130 PSI	<i>Δ 165</i>	6.05	0.417	3.92	11.87	165.9	0
1516	4,400	<i>Rate Has Slowed to 100%</i>	130 PSI	<i>Δ 165</i>	6.05	0.417	3.90	11.82	166.1	0
1540	<i>End</i>	<i>NO SAMPLE</i>	<i>120 PSI</i>							

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      bgs = below ground surface

*1500 End (Casing) Casing OK. No Sample Taken. Values Good.*

**LAJ**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE:

1/4/08

(2nd Attempt)

WELL #:

MPW-02 Port A (1)

1947  
 (2nd Attempt)

SAMPLERS:

JB, JR

DEPTH OF PUMP INTAKE:

~~250~~ 195 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS:

30's Windy

SCREENED/OPEN BOREHOLE INTERVAL:

190-200 ft TIC or ft BGS (circle one)

SAMPLE ID:

MPW-02-PD-A-R1 (Rely)

SAMPLE TIME: 1050

SAMPLE FLOW RATE:

~100 ml/minute

CLP ID:

BUGEX

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 600 XL / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument:  
Line 2000

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Flow Rate (ml/min)</i>	FLOW RATE <i>Flow Rate</i>	DRAWDOWN <i>(± 0.3 FT)</i>	pH <i>(± 0.1 SU)</i>	SPECIFIC CONDUCTIVITY <i>(± 3%)</i>	DISSOLVED OXYGEN <i>(± 10%)</i>	TEMP. <i>(± 10%)</i>	REDOX POTENTIAL <i>L</i>	TURBIDITY <i>(± 10%)</i>
24-Hour	gallons / liters (circle)	ft TIC / ft BGS <i>(circle one)</i>	Units:	ft TIC / ft BGS <i>(circle one)</i>	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L <i>(not %)</i>	Units: °C	mV	NTUs
0950	—	~100 ml/min	170	20/10	6.45	0.440	7.21	10.91	190.1	0
1000	—	—			6.27	0.420	11.24	11.54	171.5	—
1010	—	—			6.20	0.415	5.21	11.82	168.1	—
1020	—	100 ml/min			6.15	0.414	3.44	11.81	167.4	—
1030	—	—			6.11	0.415	3.40	11.80	169.0	0
1035	—	—			6.10	0.413	3.29	11.84	164.2	—
1040	—	100			6.08	0.410	3.21	11.83	164.0	—
1045	—	—			6.07	0.408	3.22	11.80	163.2	0
	~5.5 l/min									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11/26/07

SAMPLERS: JB, JF, BW, JD, MSR

WEATHER CONDITIONS: OVERCAST, SAND, OFF/ON LT Rain

SAMPLE ID: MPW-D2-PD-B-R1 SAMPLE TIME: 14<sup>20</sup>

CLP ID: B 4685

WELL #: MPW-02

Port B=2

DEPTH OF PUMP INTAKE: 220 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 215-225 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 200 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600XRM / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LAMOTTE

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE <del>Pressure</del>	DRAWDOWN <del>Flow/Vent</del> <del>(±0.3 ft)</del>	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	<del>gallons</del> <sup>m</sup> /liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm <u>(mS/cm)</u> or µS/cm (circle one)	mg/L ( <u>not</u> %)	Units: °C	mV	NTUs
1340	BEGIN									
1358	400	NA	125 PSI	Δ 16 SEC ✓ 14 SEC	5.86	0.305	8.00	12.06	125.2	0.03
1408	2400	NA	125 PSI	Δ 16.5 ✓ 14	5.86	0.303	8.71	12.05	120.0	0
1413	3400	NA	125 PSI	Δ 16.5 ✓ 14.5	5.86	0.303	8.72	12.01	122.5	0
1418	4400	NA	125 PSI	Δ 16 ✓ 14.5	5.86	0.303	8.69	12.00	125.7	0
1420	COLLECT GW	SAMPLES INTO	(6) 40ml, (1) 1L PLASTIC & (1) 500ml PLASTIC [HCO <sub>3</sub> ] [CH <sub>2</sub> O <sub>3</sub> ] [CO <sub>3</sub> ] VOC TITANIUM FLUORIDE							

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing bgs = below ground surface

1400 Mr. COHEN COLLECTS GW Sample Port B



**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: November 26, 2007

SAMPLERS: JR Bm 10K

WEATHER CONDITIONS: OVERCAST

SAMPLE ID: MPW-02-10-C-101

CLP ID: B4666

SAMPLE TIME: 16<sup>15</sup>

WELL #: MPW-02 Port 3 (C)

DEPTH OF PUMP INTAKE: 245 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 240-250 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 250 ml/minute

Instrument Type/Model: Complete and/or Circle at right

YSI Model # 60101 / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument: Water

CURRENT TIME	VOLUME PURGED <u>ml</u>	DEPTH TO WATER	FLOW RATE <u>RELATIVE</u>	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	<u>gallons / liters</u> (circle one)	<u>ft TIC / ft bgs</u> (circle one)	Units:	<u>ft TIC / ft bgs</u> (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>1545</u>	<u>BEGUN</u>		<u>130 PSI</u>	<u>0.185</u>						
<u>1550</u>	<u>1,250</u>		<u>130 PSI</u>	<u>0.185</u>	<u>6.01</u>	<u>0.307</u>	<u>4.03</u>	<u>11.89</u>	<u>150.6</u>	<u>0</u>
<u>1555</u>	<u>2,500</u>		<u>130 PSI</u>	<u>0.185</u>	<u>6.21</u>	<u>0.291</u>	<u>1.69</u>	<u>12.00</u>	<u>135.5</u>	<u>0</u>
<u>1600</u>	<u>3,750</u>		<u>130 PSI</u>	<u>0.185</u>	<u>6.32</u>	<u>0.286</u>	<u>1.31</u>	<u>12.01</u>	<u>132.8</u>	<u>0</u>
<u>1605</u>	<u>5,000</u>		<u>130 PSI</u>	<u>0.185</u>	<u>6.34</u>	<u>0.286</u>	<u>1.27</u>	<u>12.02</u>	<u>132.6</u>	<u>0</u>
<u>1610</u>	<u>6,250</u>		<u>130 PSI</u>	<u>0.185</u>	<u>6.35</u>	<u>0.285</u>	<u>1.24</u>	<u>12.01</u>	<u>132.7</u>	<u>0</u>
<u>1615</u>	<u>COLLECT GW SAMPLE &amp; ITS DUPLICATE TWO 1 SET OF BODIES:</u>									
					<u>(3) 4oz (KCl) VOC</u>					
					<u>(1) 1L PLASTIC (KCl)</u>					
					<u>(1) 250 PLASTIC (UNPUS)</u>					

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: November 26, 2007

SAMPLERS: JK Bly WDE

WEATHER CONDITIONS: Windy, clear

SAMPLE ID: MPW-02-10-9-R1 SAMPLE TIME: 1710  
CLP ID: 11627

WELL #: MPW-02 Pkg 4 (D)

DEPTH OF PUMP INTAKE: 270 ft TIC or BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 265-275 ft TIC or BGS (circle one)

SAMPLE FLOW RATE: 160 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model: 600XL-B-M / Horiba U-22 (circle one)  
Other (Specify) \_\_\_\_\_

Instrument:  
LAI WDE

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE <u>Positive</u>	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>1640</u>	<u>Begin</u>									
<u>1650</u>	<u>1,600</u>		<u>145 PR</u>	<u>D 20</u>	<u>6.03</u>	<u>0.334</u>	<u>6.08</u>	<u>11.84</u>	<u>149.6</u>	<u>0</u>
<u>1655</u>	<u>2,400</u>		<u>145 PR</u>	<u>D 20</u>	<u>6.08</u>	<u>0.284</u>	<u>4.67</u>	<u>11.85</u>	<u>68.0</u>	<u>0</u>
<u>1700</u>	<u>3,200</u>		<u>145 PR</u>	<u>D 20</u>	<u>6.19</u>	<u>0.269</u>	<u>5.83</u>	<u>11.29</u>	<u>58.6</u>	<u>0</u>
<u>1705</u>	<u>4,000</u>		<u>145 PR</u>	<u>D 14</u>	<u>6.25</u>	<u>0.266</u>	<u>6.30</u>	<u>11.27</u>	<u>58.6</u>	<u>0</u>
<u>1710</u>	<u>Collect GW Sample as before</u>									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      bgs = below ground surface

# OLD ROBERTS FIELD GROUNDWATER CONTAMINATION SITE LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

WELL #: MW-02 (2494) Port 1

DEPTH OF PUMP INTAKE: 195 ft TIC or BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 140-200 ft TIC or BGS (circle one)

SAMPLE FLOW RATE: ~75 mL/minute

SAMPLE TIME: 1600

WEATHER CONDITIONS: 40's sunny

SAMPLERS: 3/4

DATE: 3/6/02

SAMPLE ID: MW-02 Port 1

CLP ID: 3/8" ID

Instrument Type/Model: Complete and/or Circle at right

YSI Model # 6000/5K / Horiba U-22 (circle one)  
Other (specify)

Instrument 8020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP. REDOX	TURBID
	gallons /	ft TIC / ft BGS	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm, or µS/cm (circle one)	mg/L (int %)	Units: °C	NTUs
	gallons /	ft TIC / ft BGS	Units:	ft TIC / ft BGS	ft TIC / ft BGS	ft TIC / ft BGS	ft TIC / ft BGS	ft TIC / ft BGS	ft TIC / ft BGS
0930	0.430	8618.3	100 mL/min	180 ft	6.49	0.276	9.22	11.26	189.4
0945	Water	Sam							
1015		8612	100 mL/min		6.00	0.279	9.15	11.80	187.4
1450	2 gallons	Sam			5.86	0.292	9.17	12.51	182.1
1500	3 gallons	8611.3	75 mL/min		5.64	0.298	6.60	12.80	202.9
1505	4.5 gallons	8610.9			5.75	0.285	7.95	12.44	188.9
1510	6 gallons	8610.9			5.80	0.283	8.10	12.14	210.1
1515	2.5 gallons	8610.5	100 mL/min		5.82	0.274	8.27	11.30	202.0
1520	2.8 gallons	8610.3			5.80	0.270	8.20	11.31	206.8
1525	2.8 gallons	8610.1			5.84	0.276	7.99	11.41	205.4
1535	2.8 gallons	8610.1			5.85	0.273	6.89	11.51	202.9

The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in pare  
Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 mL/min during purging or 250 mL/min during sampling. Readings should be taken every three to five m  
Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm  
Turbidity = 0 - >500 NTUs

TIC = Top of Inner Casing BGS = Below Ground Surface

also 1700 1450 1000 0930 0945 1015 1450 1500 1505 1510 1515 1520 1525 1535

4-1

Attn:   
Cabrillo   
Ash Park   
Mar 200

Unp. sk. hole on way to   
Top of   
Tide

CAI   
OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE   
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 3/7/08

SAMPLERS: JB

WEATHER CONDITIONS: 40's Low

SAMPLE ID: MFW-02 Port 2   
CLP ID:

WELL #: MFW-02

DEPTH OF PUMP INTAKE: 220 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 215-225 ft TIC or ft (circle one)

SAMPLE FLOW RATE: ml/minute

Instrument Type/Model:   
Complete and/or Circle at right

YSI Model # 600 / Horiba U-22 (circle one)   
Other (specify)

Instrument   
Serial # 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBID (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> / or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1000	Start	7703.0	110 ml/min							
1120 off	2.5 gallons									
1323 on			190 ml/min		5.83		6.66	11.52	192.4	
1333	~3 gallons				5.83	0.191	6.73	11.52	190.0	
1345	~3.5		190		5.83	0.207	9.00	11.37	189.0	
1400	5		190		5.84	0.194	7.73	11.38	189.1	
1415	6	7703.1			5.83	0.196	7.69	11.33	192.9	
	Sample on reading									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parentheses.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs   
Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface



~~OLD ROOSEVELT FIELD~~ GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

3 of 5

DATE: 3/11/08

WELL #: MW-02

SAMPLERS: TB

DEPTH OF PUMP INTAKE: 215 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: 40sunny

SCREENED/OPEN BOREHOLE INTERVAL: 215-225 ft TIC or ft BGS (circle one)

SAMPLE ID: MW-02 - 808T2  
CLP ID:

SAMPLE TIME: 1145

SAMPLE FLOW RATE: 200 ml/minute

Instrument Type/Model: YSI  
Complete and/or Circle at right

YSI Model #: 600mS / Horiba U-22 (circle one)  
Other (specify):

Instrument  
Length  
2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1110	Start	7705.3	~180	—	5.97	0.208	7.16	12.31	182.8	<1
1115			—	10/20 180ps	5.97	0.208	7.16	12.31	182.8	<1
1125			200		6.01	0.195	8.83	12.28	185.5	—
1130			—	—	5.84	0.215	8.38	12.04	168.7	—
1135			200	—	5.84	0.209	8.80	12.01	172.4	—
1140	gallons		200	—	5.85	0.209	8.54	12.10	176.1	<1
			Sample @ 1145							

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parentheses.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

Top of Inner Casing

BGS = Below Ground Surface

**LA I**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 3/11/09

SAMPLERS: JB

WEATHER CONDITIONS:

SAMPLE ID: MPW-02-PORT3  
 CLP ID:

SAMPLE TIME: 1235

WELL #: MPW-02

DEPTH OF PUMP INTAKE: 245 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 240-250 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 200 ml/minute

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 445 600 XL / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrum  
 Lenth 7026

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBID (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1200	Start	7673.0	200	10/20 1200	6.05	0.198	8.82	11.55	1967	51
1205					6.07	0.196	6.12	11.41	197.1	-
1210					6.09	0.196	5.46	11.76	2003	-
1215					6.10	0.196	4.80	11.65	2001	-
1220					6.15	0.196	4.21	11.71	199.9	-
1225					6.18	0.196	4.51	11.70	199.7	-
1230	6 Lines				6.20	0.197	4.41	11.67	199.8	-
			Sample @ 1235							

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parentheses.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

~~OLD ROOSEVELT FIELD~~ GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

1 of 1

DATE: 3/4/08

WELL #: MPW-02 Port 4

SAMPLERS: J8

DEPTH OF PUMP INTAKE: 270 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: 40's sun

SCREENED/OPEN BOREHOLE INTERVAL: 265-275 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-02 PART 4  
CLP ID:

SAMPLE TIME: 1440

SAMPLE FLOW RATE: ~200 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 MP5XL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LaMotte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1240	Start	680.3	200ml	15/20 190	5.82	0.180	3.64	12.24	80.0	<1
1300	1 gallon			15/20 140	6.08	0.186	7.01	12.01	22.6	
1330	2.5 gallons				6.19	0.189	9.74	12.32	43.9	
1400	~4 gallons				6.21	0.190	9.01	12.41	40.1	
1410	4.5				6.24	0.194	8.45	12.56	52.5	
1420	5				6.24	0.194	8.71	12.20	61.2	
1425	—				6.27	0.187	8.53	11.90	66.5	
1430	6				6.25	0.187	8.71	11.95	72.1	
1435	~6.5 gallons				6.24	0.187	8.60	11.79	70.4	<1
		Sample @ 1440								

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing

BGS = Below Ground Surface



LAI SUPPLEMENTAL SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 11-27-07

SAMPLERS: JR, ME

WEATHER CONDITIONS: 50°

SAMPLE ID:  
CLP ID:

SAMPLE TIME:

WELL #:

MPW-3 Port # 7 (A)

DEPTH OF PUMP INTAKE: 180 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 175-185 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: ml/minute

Purge Flow Rate 200

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model# 600XLAB Horiba U-22 (circle one)  
Other (specify)

Instrument:  
LaMotte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE <u>PSI</u>	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, <u>(mS/cm)</u> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1510			110	seconds prior vent						14.0
1520 1525 1528			110	14 12	6.33	0.140	1.64	11.34	-0.8	14.0
1535			110	14 12	6.39	0.140	1.31	11.30	-14.0	
1530 1525			Nitrogen runs out *							

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

*(2nd Attempt)*

DATE: **11-28-07**

WELL #: **MPW 03 Port 1 (A)**

SAMPLERS: **MEJR**

DEPTH OF PUMP INTAKE: **180** ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: **45°**

SCREENED/OPEN BOREHOLE INTERVAL: **175-185** ft TIC or ft BGS (circle one)

SAMPLE ID: **MPW-03-PD-A-R1**

SAMPLE TIME: **1425**

SAMPLE FLOW RATE: **200** ml/minute  
*Purge rate 200*

CLP ID: **BAGE9**

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model# **66015** Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
**Camco 200**

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE <i>PST</i>	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <i>PST</i>	ft TIC / ft bgs (circle one)	SU	S/cm, <i>(mS/cm)</i> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<b>1350</b>	<b>Start</b>	<b>Pump</b>	<b>110</b>	<b>seconds</b> <b>Drive Vent</b>						
<b>1400</b>			<b>110</b>	<b>14 12</b>	<b>6.39</b>	<b>0.196</b>	<b>3.23</b>	<b>11.07</b>	<b>-22.3</b>	<b>2.06</b>
<b>1405</b>			<b>110</b>	<b>14 12</b>	<b>6.48</b>	<b>0.202</b>	<b>1.02</b>	<b>11.01</b>	<b>-48.5</b>	<b>0.89</b>
<b>1410</b>			<b>110</b>	<b>14 12</b>	<b>6.56</b>	<b>0.204</b>	<b>0.75</b>	<b>10.96</b>	<b>-56.9</b>	<b>0.45</b>
<b>1415</b>			<b>110</b>	<b>14 12</b>	<b>6.64</b>	<b>0.205</b>	<b>0.52</b>	<b>10.85</b>	<b>-67.1</b>	<b>0.61</b>
<b>1420</b>	<b>11-28-07</b>		<b>110</b>	<b>14 12</b>	<b>6.66</b>	<b>0.205</b>	<b>0.48</b>	<b>10.85</b>	<b>-69.3</b>	<b>0.78</b>
<b>1421</b>	<b>6L</b>		<b>110</b>	<b>14 12</b>	<b>6.67</b>	<b>0.205</b>	<b>0.46</b>	<b>10.85</b>	<b>-69.5</b>	<b>0.65</b>

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, -55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-27-07

SAMPLERS: MEJR

WEATHER CONDITIONS: 50°

SAMPLE ID: MPW-33-PD-B-R1

CLP ID: 84GF0

Duplicate X MPW-33-PD-B-R1  
84GF3

SAMPLE TIME: 1450

Instrument Type/Model:  
Complete and/or Circle at right

WELL #: MPW-3 Port 2 (B)

DEPTH OF PUMP INTAKE: 200 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 195-205 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 210 ml/minute

Purge Flow Rate 210

YSI Model # ~~600~~ 113-M Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_ Instrument: ~~LAURA~~ 2000

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
			(± 0.3 FT)		(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	(± 10 mV)	(± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, (mS/cm) or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1415			115	seconds Drive Vent						Cloudy
1425			115	16 14	6.22	0.160	1.28	11.64	-58.2	3.1
1430			115	16 14	6.46	0.138	0.81	11.58	-77.2	2.9
1435			115	16 14	6.56	0.156	0.67	11.52	-87.6	2.3
1440			115	16 14	6.61	0.157	0.59	11.46	-92.0	1.8
1443			115	16 14	6.63	0.158	0.55	11.42	-93.9	1.9
1446	6.3L		115	16 14	6.63	0.158	0.51	11.35	-95.4	2.0

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-28-07

WELL #: MPW-03 Port 3(C)

SAMPLERS: ME, JR

DEPTH OF PUMP INTAKE: 220 ft TIC or (BGS) (circle one)

WEATHER CONDITIONS: 45°

SCREENED/OPEN BOREHOLE INTERVAL: 215-225 ft TIC or (BGS) (circle one)

SAMPLE ID: MPW-03-PD-C-R1

SAMPLE TIME: 1515

SAMPLE FLOW RATE: 150 ml/minute  
Purge Flow rate 150

CLP ID: B4GF1

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600457 Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument: LaMotte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE PSI	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: PSI	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1437	Start purge		120	<sup>seconds</sup> Drive Vent						
1445			↓	17 13	4.86	0.239	5.53	10.30	1.0	4.28
1450			↓	↓	6.31	0.263	2.22	10.54	-12.0	6.27
1455			↓	↓	6.80	0.278	1.08	10.51	-20.0	6.55
1500			↓	↓	7.68	0.287	0.92	10.49	-32.5	6.03
1505			↓	↓	7.77	0.290	0.85	10.55	-27.9	6.24
1508			↓	↓	7.52	0.288	0.82	10.47	-26.5	6.17
1511	5.5L		↓	↓	7.25	0.284	0.80	10.45	-24.7	6.09
			↓							

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing

bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-28-07

SAMPLERS: ME, JR

WEATHER CONDITIONS: 40°

SAMPLE ID: MPW-03-PD-D-R 1

CLP ID: 846F2

SAMPLE TIME: 1615

WELL #: MPW-03 Port 4 (D)

DEPTH OF PUMP INTAKE: 240 ft TIC or BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 235-245 ft TIC or BGS (circle one)

SAMPLE FLOW RATE: 150 ml/minute  
Purge Flow Rate 150

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 650 ~~155~~ Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument: La Motte 2025

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
			(± 0.3 FT)		(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	(± 10 mV)	(± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <u>PSI</u>	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or $\mu$ S/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
Start Purge		1530	120	Seconds drive vent						
1540			120	18 14	4.86	0.820	7.60	9.89	123.2	10.02
1550			120	18 14	6.36	0.328	1.17	10.37	-59.9	69.30
1600			120	18 14	6.47	0.301	0.52	10.31	-65.0	70.10
1610			120	18 14	6.49	0.297	0.40	10.26	-68.4	59.10
1613	5 Liters		120	18 14	6.50	0.300	0.39	10.23	-70.1	61.2

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Inner Casing      bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-27-07

WELL #: MPW-4 Port A = 1

SAMPLERS: JR, ME

DEPTH OF PUMP INTAKE: 155 ft TIC or BGS (circle one)

WEATHER CONDITIONS: 45-50°

SCREENED/OPEN BOREHOLE INTERVAL: 150-160 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-04-PD-A-R1

SAMPLE TIME: 0950

CLP ID: B46FU

SAMPLE FLOW RATE: 150 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model# 600XLM / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Lamotte 2000

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: PSI ML/M	(± 0.3 FT) ft TIC / ft bgs (circle one)	(± 0.1 SU) SU	(± 3%) S/cm, <u>mS/cm</u> or $\mu$ S/cm (circle one)	(± 10%) mg/L (not %)	(± 10%) Units: °C	(± 10 mV) mV	(± 10%) NTUs
0920	Start	<u>gump</u>		Seconds Drip Vent						
0930			150 ps	12 18	5.40	0.345	1.16	12.86	11.7	3.49
0935			150	12 18	5.43	0.341	0.72	12.88	16.2	2.12
0940			150	12 18	5.46	0.340	0.56	12.83	19.7	1.55
0945	1.5 gallons		150	12 18	5.48	0.339	0.47	12.86	22.3	1.44
0948			150	12 18	5.50	0.335	0.46	12.86	24.1	1.32

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial, -55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Casing

bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-27-07

SAMPLERS: ME, JR

WEATHER CONDITIONS: 50°

SAMPLE ID: MPW-04-P0-B-21

CLP ID: 84GF5

SAMPLE TIME: 1120

WELL #: MPW-4 Port # 2 (B)

DEPTH OF PUMP INTAKE: 175 ft TIC or (ft BGS) (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 170-180 ft TIC or (ft BGS) (circle one)

SAMPLE FLOW RATE: 250 ml/minute  
Purge Flow rate 260

Instrument Type/Model:  
Complete and/or Circle at right

~~YSI Model # 1000~~ / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LaMotte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
				(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	(± 10 mV)	(± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: PSI	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm°</u> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1053	Start pump		120	seconds Drive Vent						
1103			120	11 14	5.90	0.338	0.97	13.40	68.5	0.51
1108			120	11 14	5.94	0.350	0.52	13.36	93.2	0.29
1111			120	11 14	5.94	0.352	0.50	13.52	96.8	0.25
1114	7.5L		120	11 14	5.94	0.353	0.47	13.52	100.7	0.20

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, -55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-27-07

WELL #: MPW-4-Port 3 (C)

SAMPLERS: ME, JR

DEPTH OF PUMP INTAKE: 205 ft TIC or (BGS) (circle one)

WEATHER CONDITIONS: 50°

SCREENED/OPEN BOREHOLE INTERVAL: 200-210 ft TIC or (BGS) (circle one)

SAMPLE ID: MPW-04-PD-C-R1

SAMPLE TIME: 1040

SAMPLE FLOW RATE: 500 ml/minute

CLP ID: B4GF6

Purge Sample 250

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600X-01 Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Langbe

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE <u>PSI</u>	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft-TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1010	Start pump			Seconds Drive Vent						
1020			150	14 16	7.28	0.450	1.25	13.13	-89.7	2.56
1025			150		7.09	0.469	0.37	13.29	-66.6	0.67
1030			150		7.08	0.471	0.86	13.26	-66.7	0.31
1035	15 Liters		150		7.09	0.475	0.83	13.27	-66.5	1.20

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      bgs = below ground surface



**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-27-07

WELL #: MPW-4 Port 4 CD)

SAMPLERS: JR, ME

DEPTH OF PUMP INTAKE: 225 ft TIC or BGS (circle one)

WEATHER CONDITIONS: 50°C

SCREENED/OPEN BOREHOLE INTERVAL: 220-230 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-04-PD-D-R1

SAMPLE TIME: 1200

SAMPLE FLOW RATE: 250 ml/minute

CLP ID: B4GF7

Purge Flow rate: 250

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 6004-B9 / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Cannette 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <u>POT</u>	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> , or $\mu$ S/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1130	Start	pump		seconds Drive vent						
1140			140	12 12	5.83	0.313	3.34	13.66	56.8	1.1
1145			140	12 12	5.95	0.327	3.59	13.76	87.1	0.50
1150			140	12 12	5.97	0.329	3.57	13.78	107.0	0.35
1153			140	12 12	5.99	0.328	3.56	13.95	109.4	0.40
1156	7.5L		140	12 12	5.99	0.329	3.56	13.83	110.1	0.39

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-27-07

WELL #: MPW-4 Port 5(E)

SAMPLERS: ME, JR

DEPTH OF PUMP INTAKE: 245 ft TIC or BGS (circle one)

WEATHER CONDITIONS: 50°

SCREENED/OPEN BOREHOLE INTERVAL: 240-250 ft TIC or BGS (circle one)

SAMPLE ID: MPW-04-P0-E-R1

SAMPLE TIME: 1240

CLP ID: B4GF8

SAMPLE FLOW RATE: 200 ml/minute

Purge Flow Rate 210

Instrument Type/Model:  
Complete and/or Circle at right

SI Model # 690 XL155M Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Camtech 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: OST	ft TIC / ft bgs (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1205	Start	pump	140	seconds Drive vent						
1215			150	14 14	6.07	0.274	1.86	13.39	1.5	2.6
1220			150	14 14	6.33	0.273	4.88	13.30	22.0	0.50
12235			150	14 14	6.50	0.276	5.54	13.09	54.4	0.25
1228 <sup>1228</sup>			150	14 14	6.55	0.277	5.60	13.02	63.9	0.25
1241 <sup>1231</sup>			150	14 14	6.59	0.279	5.53	12.96	69.3	0.35
1234	6.5L		150	14 14	6.64	0.281	5.41	12.95	73.0	0.25

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11/28/07

SAMPLERS: Joe Button / Bill West

WEATHER CONDITIONS: 45° Sunny

SAMPLE ID: MPW-05-PD-A-R1

CLP ID: B46F1

SAMPLE TIME: 15:30

WELL #: MPW-05-Port 1 (A)

DEPTH OF PUMP INTAKE: 165 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 160-170 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: ~250 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

SI Model # 600XL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Camette

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Draw/vent PSI</i>	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour <i>begin 14:50</i>	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <i>ml/min</i>	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
15:30		10/15 <i>120 PSI</i>	250	—	5.83	0.225	9.36	11.42	73.4	3.1
15:05		—	—	—	5.85	0.231	6.94	11.23	54.4	1.5
15:10		10/15 <i>120 PSI</i>	—	—	5.86	0.232	5.87	11.19	45.5	1.1
15:15		—	—	—	5.86	0.233	5.86	11.13	39.8	1.17
15:20		—	250	—	5.87	0.233	3.50	11.08	35.6	1.06
15:25		—	—	—	5.87	0.233	2.93	11.03	33.1	1.00
15:30		—	—	—	5.87	0.235	2.87	10.97	30.0	1.01
15:35	~17 liters	—	—	—	5.87	0.235	2.81	10.98	30.1	1.05
					15:40					

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11/28/07  
 SAMPLERS: BU WERT, JOE BUTTON  
 WEATHER CONDITIONS: Sunny, 50°F  
 SAMPLE ID: MPW-05-PD-B-R1 SAMPLE TIME: 1535  
 CLP ID: 84660

WELL #: MPW-05 (PORT # 2/B)  
 DEPTH OF PUMP INTAKE: 190 ft TIC or (BGS) (circle one)  
 SCREENED/OPEN BOREHOLE INTERVAL: 185-195 ft TIC or (BGS) (circle one)  
 SAMPLE FLOW RATE: 200 ml/minute

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 600XL / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_ Instrument: LAJOTT

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Draw/vent PSI</i>	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <u>ml/min</u>	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or <u>µS/cm</u> (circle one)	mg/L ( <u>not</u> %)	Units: °C	mV	NTUs
<u>1500</u>		<u>10/15</u> <u>120</u>	<u>200</u>		<u>5.81</u>	<u>0.200</u>	<u>3.15</u>	<u>11.08</u>	<u>-121.8</u>	<u>0.78</u>
<u>1505</u>		<u>10/15</u> <u>120</u>	<u>200</u>		<u>5.82</u>	<u>0.200</u>	<u>1.60</u>	<u>10.99</u>	<u>-152.9</u>	<u>0.65</u>
<u>1510</u>		<u>10/15</u> <u>120</u>	<u>200</u>		<u>5.83</u>	<u>0.201</u>	<u>1.31</u>	<u>10.95</u>	<u>-157.9</u>	<u>0.60</u>
<u>1515</u>		<u>10/15</u> <u>120</u>	<u>200</u>		<u>5.83</u>	<u>0.201</u>	<u>1.17</u>	<u>10.93</u>	<u>-163.5</u>	<u>0.55</u>
<u>1520</u>		<u>10/15</u> <u>120</u>	<u>200</u>		<u>5.82</u>	<u>0.203</u>	<u>1.02</u>	<u>10.87</u>	<u>-171.5</u>	<u>0.36</u>
<u>1525</u>		<u>10/15</u> <u>120</u>	<u>200</u>		<u>5.79</u>	<u>0.207</u>	<u>0.91</u>	<u>10.80</u>	<u>-170.7</u>	<u>0.0</u>
<u>1530</u>		<u>10/15</u> <u>120</u>	<u>200</u>		<u>5.79</u>	<u>0.207</u>	<u>0.89</u>	<u>10.79</u>	<u>-16.2</u>	<u>0.0</u>
	<u>6.1 hrs</u>									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11/29/09

WELL #: MPW-05 (port 3) (C)

SAMPLERS: Joe Button / Bill Wert

DEPTH OF PUMP INTAKE: 210 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: sofa Windy

SCREENED/OPEN BOREHOLE INTERVAL: 205-215 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-05-PD-C-R1

SAMPLE TIME: 10:25

SAMPLE FLOW RATE: 200 ml/minute

CLP ID: B4661

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 6002 / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Lanth 2090

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER Drive/vent Pressure	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
0950		16/15 125psi	200		6.47	0.198	9.80	11.34	26.7	8.84
0955		—	—		5.95	0.214	7.00	11.35	-38.0	7.46
1000		—	—		6.00	0.214	5.38	11.28	-35.6	4.45
1005		—	—		6.01	0.214	4.83	11.32	-30.1	2.45
1010		—	200		6.00	0.214	4.35	11.20	-24.3	5.92
1015		—			6.00	0.214	4.58	11.22	-21.4	6.75
1020	~12 liters	15/15 125psi			6.00	0.214	4.54	11.25	-19.8	5.95

Notes: Collected Purged continuously with port 4 (D)  
Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

Top of Inner Casing

bgs = below ground surface

**LAI SUPERFUND SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11/29/07

WELL #: MPW-05 (PORT # 4/D)

SAMPLERS: Bill WERT, Joe Button

DEPTH OF PUMP INTAKE: 230 ft TIC or BGS (circle one)

WEATHER CONDITIONS: Cloudy, 50°F

SCREENED/OPEN BOREHOLE INTERVAL: 225-235 ft TIC or BGS (circle one)

SAMPLE ID: MPW-05-PD-D-RA SAMPLE TIME: 10:25

SAMPLE FLOW RATE: 200 ml/minute

CLP ID: B4662

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600XL / Horiba U-22 (circle one)  
Other (Specify) \_\_\_\_\_

Instrument:  
LAQUO

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Purge Unit</i> PSI	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <u>ml/min</u>	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or $\mu$ S/cm (circle one)	mg/L ( <u>not</u> %)	Units: °C	mV	NTUs
0950		10/15 120	200		6.24	0.229	8.97	10.88	111.2	17.8
0955		15/15 125	200		6.13	0.235	8.55	11.35	74.8	4.82
1000		15/15 125	200		5.99	0.233	7.85	11.35	64.4	3.02
1005		15/15 125	200		6.10	0.231	5.47	11.33	72.5	1.26
1010		15/15 125	200		6.10	0.231	4.54	11.30	81.7	0.70
1015		15/15 125	200		6.10	0.231	4.43	11.25	84.2	0.96
1020		15/15 125	200		6.10	0.231	4.28	11.30	86.9	0.82
	<u>no log</u>									

\* Pumped simultaneously with Port # 3/C

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Casing bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-29-07

SAMPLERS: ME, JR

WEATHER CONDITIONS: Cool, overcast

SAMPLE ID: MPW-06-PD-A-R1

SAMPLE TIME: 1355

CLP ID: B4GG3

WELL #: MPW-06 Port 1 (A)

DEPTH OF PUMP INTAKE: 70 ft TIC or BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 65-75

ft TIC or BGS  
(circle one)

SAMPLE FLOW RATE: 180 ml/minute

Purge Flow Rate: 180

Instrument Type/Model:  
Complete and/or Circle at right

SI Model # 600X Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Canote

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
			( $\pm 0.3$ FT)	( $\pm 0.1$ SU)	( $\pm 3\%$ )	( $\pm 10\%$ )	( $\pm 10\%$ )	( $\pm 10\%$ )	( $\pm 10$ mV)	( $\pm 10\%$ )
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <u>BT</u>	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or $\mu$ S/cm (circle one)	mg/L ( <u>not</u> %)	Units: $^{\circ}$ C	mV	NTUs
Start purge		<u>135</u>	<u>120</u>	<u>second Drive Vent</u>						
1325			$\downarrow$	16 14	9.20	0.374	0.83	11.30	78.7	9.4
1335			$\downarrow$		10.16	0.385	0.65	11.32	75.9	7.4
1340			$\downarrow$		10.26	0.392	0.66	11.34	73.5	6.1
1345			$\downarrow$		10.29	0.394	0.60	11.33	72.1	5.5
1350			$\downarrow$		10.36	0.400	0.57	11.30	71.1	4.2
1353	5.5L		$\downarrow$		10.37	0.402	0.55	11.29	70.2	4.1

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial, -55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-29-07

SAMPLERS: ME, JR

WEATHER CONDITIONS: Cool, overcast

SAMPLE ID: MPW-06-PD-B-R1

SAMPLE TIME: 1445

CLP ID: B4664

MS/MSD

Instrument Type/Model:  
Complete and/or Circle at right

WELL #: MPW-06 Port 2 (B)

DEPTH OF PUMP INTAKE: 95 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 90-100 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 200 ml/minute

Purge rate 200

YSI Model # 6501A / Horiba U-22 (circle one)  
Other (specify) 600 XL-B-M  
Instrument: Camper 2025

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE <u>PSI</u> (± 0.3 FT)	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <u>PSI</u>	ft TIC / ft bgs (circle one)	SU	S/cm ( <u>mS/cm</u> ) or $\mu$ S/cm (circle one)	mg/L ( <u>not</u> %)	Units: °C	mV	NTUs
Start purge			1355	<sup>seconds</sup> Drive vent						
1405			12.0	16 14	7.02	0.123	0.60	10.87	-6.8	0.50
1418					6.77	0.124	0.58	10.88	5.4	0.10
1425					6.27	0.121	0.53	10.83	22.5	0.00
1430					6.20	0.120	0.51	10.82	25.9	0.00
1435					6.10	0.121	0.51	10.80	29.2	0.00
1438					6.01	0.122	0.51	10.79	30.5	0.00
1441	6L				6.00	0.123	0.51	10.79	30.0	0.00

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Casing bgs = below ground surface



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LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 11-29-07

SAMPLERS: ME, JR

WEATHER CONDITIONS: Cag

SAMPLE ID: MPW-6-P0-C-R1 SAMPLE TIME: 1515

CLP ID: B4GG5

WELL #: MPW-06 Port 3 (c)

DEPTH OF PUMP INTAKE: 120 ft TIC or BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 115-125 ft TIC or BGS (circle one)

SAMPLE FLOW RATE: 200 ml/minute

Purge Flow Rate 200

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 650M/S / Horiba U-22 (circle one)  
Other (specify) 600 K-B-M

Instrument:  
LaMotte 2025

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <u>PSI</u>	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or $\mu$ S/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
Start	Purge	1430	120	<sup>seconds</sup> Drive vent						
1455				16 14	6.32	0.173	6.58	10.85	52.1	13
1500					6.37	0.174	6.39	10.86	58.5	16
1505					6.33	0.171	6.83	10.87	63.1	17
1510				↓ ↓	6.26	0.170	7.06	10.84	63.8	16
	80 Ltrs									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial, -55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

**CAI**  
~~ICELAND COIN LAUNDRY SITE~~  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

WELL #: MPW-06 Port 4 (D)

DEPTH OF PUMP INTAKE: 165 ft TIC or (BGS) (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 160-170 ft TIC or (BGS) (circle one)

SAMPLE FLOW RATE: 200 ml/minute  
*Purge Flow Rate 200*

YSI Model # 657 MP5 Horiba U-22 (circle one)  
 Other (specify) 600 Y-B-m

Instrument: LaMotte 2020

Instrument Type/Model:  
 Complete and/or Circle at right

TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
Start	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: PSI	ft TIC / ft bgs (circle one)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	(± 10 mV)	(± 10%)
24 hrs					SU	S/cm, mS/cm <sup>2</sup> or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
Start	purge	15/5	120	seconds have went						
1536				16 14	6.45	0.120	4.41	10.64	47.3	2.55
1540					7.10	0.123	4.82	10.66	37.0	2.38
1545					7.32	0.123	4.82	10.63	36.0	2.00
1550					7.49	0.123	4.80	10.60	36.3	1.50
1553					7.53	0.123	4.79	10.60	36.2	1.50
1556	BL				7.55	0.123	4.79	10.59	36.3	1.30

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes until the well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Cal values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial - 50,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11/30/07

WELL #: MPW-07 PORT # 1/A

SAMPLERS: Bill Went, Joe Button

DEPTH OF PUMP INTAKE: 267 ft TIC or (BGS) (circle one)

WEATHER CONDITIONS: 40°F, Sunny

SCREENED/OPEN BOREHOLE INTERVAL: 202-212 ft TIC or (ft BGS) (circle one)

SAMPLE ID: MPW-07-PD-A-R1 SAMPLE TIME: 0920

SAMPLE FLOW RATE: 200 ml/minute

CLP ID: B4GG7

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600XL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument: LAMOTT

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>above/below</i> P21	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: ml/min	ft TIC / ft bgs (circle one)	SU	S/cm / mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
0850	—	12/12 200 130	200		5.53	0.316	2.66	11.39	197.3	0.43
0855	—	12/12 130	200		5.51	0.316	16.28	11.26	197.4	0.28
0900	✓	12/12 130	200		5.51	0.316	8.52	11.37	197.4	0.13
0905	—	12/12 130	200		5.50	0.316	6.69	11.39	197.3	0.21
0910	—	12/12 130	200		5.50	0.316	5.79	11.40	197.1	0.00
0915	—	12/12 130	200		5.50	0.316	5.50	11.42	196.9	0.00
	8									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing      bgs = below ground surface

~~OLD ROOSEVELT FIELD~~ GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1/4/08

SAMPLERS: JB/JR

WEATHER CONDITIONS: 30% wet

SAMPLE ID: MPW-07-PB-B-R1 (R1B1)

CLP ID: B4668

SAMPLE TIME: 0930

WELL #: MPW-07

Part B (2)

DEPTH OF PUMP INTAKE: 225 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 220-230 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: ~50 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 XL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument: Landolt 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>ft TIC / ft BGS</i>	FLOW RATE <i>Units: ml/min</i>	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
0800	—	15/30 <i>(20 ft)</i>			6.50	0.406	11.11	11.41	69.1	0
0810	—				6.71	0.401	14.0	11.51	72.1	
0820	—				6.84	0.382	<i>14.6</i>	11.60	49.1	
0840	—				6.90	0.366	7.90	11.69	75.2	
0850					6.95	0.324	7.41	11.69	90.1	
0900					6.95	0.318	7.20	11.71	98.2	
0910					6.98	0.322	7.15	11.74	104.1	
0920					7.01	0.320	7.12	11.70	100.1	0
—	~4 liters									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

TIC = Top of Casing BGS = Below Ground Surface

**LAJ SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11/21/07

SAMPLERS: Bill Went, Joe Button

WEATHER CONDITIONS: cloudy, 50°F

SAMPLE ID: MPW-07-PD-C-R1 SAMPLE TIME: 16:05  
CLP ID: B4GG9

WELL #: MPW-07 (PORT #3/6)

DEPTH OF PUMP INTAKE: 255 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 250-260 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 200 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600XL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Camtech 2220

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Drill / vent PSI</i>	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <u>ml/min</u>	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> / or <u>µS/cm</u> (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>1540</u>		<u>14/18</u> <u>150</u>	<u>200</u>		<u>7.33</u>	<u>0.304</u>	<u>9.23</u>	<u>12.14</u>	<u>67.8</u>	<u>0.57</u>
<u>1545</u>		<u>14/18</u> <u>150</u>	<u>200</u>		<u>7.50</u>	<u>0.307</u>	<u>9.19</u>	<u>12.52</u>	<u>41.5</u>	<u>0.28</u>
<u>1550</u>		<u>14/18</u> <u>150</u>	<u>200</u>		<u>7.52</u>	<u>0.306</u>	<u>9.48</u>	<u>12.43</u>	<u>42.6</u>	<u>0.31</u>
<u>1555</u>		<u>14/18</u> <u>150</u>	<u>200</u>		<u>7.53</u>	<u>0.306</u>	<u>9.12</u>	<u>12.41</u>	<u>43.2</u>	<u>0.35</u>
<u>1600</u>			<u>200</u>		<u>7.50</u>	<u>0.305</u>	<u>8.47</u>	<u>12.33</u>	<u>44.2</u>	<u>0.30</u>
<u>1605</u>	<u>~8 L/min</u>									

also collected Duplicate MPW-77-PD-C-R1

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

2

LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 11/28/07

WELL #: MPW-08 Port #1/A

SAMPLERS: Bill Went, Joe Button

DEPTH OF PUMP INTAKE: 30 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny, 55°F

SCREENED/OPEN BOREHOLE INTERVAL: 25-35 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-08-PD-A-R1 SAMPLE TIME: 1330

SAMPLE FLOW RATE: 250 ml/minute

CLP ID: 64GH1

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600XL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Cannon  
2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Drawdown</i> PSI	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: ml/min	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1300		10/15 80	250		5.51	0.197	14.39	12.32	129.0	0.0
1305			250		5.50	0.197	14.47	12.30	138.4	0.0
1310			250		5.50	0.197	14.30	12.33	142.8	0.05
1315			250		5.49	0.197	14.57	12.43	150.0	0.0
1320			250		5.49	0.197	14.12	12.40	154.7	0.0
1325			250		5.49	0.197	14.27	12.31	157.8	0.0
1330	~15 Ltrs									

Note: Purged alone

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing

bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11/26/07

SAMPLERS: Jack Butler / Bill West

WEATHER CONDITIONS:

SAMPLE ID: MPW-08-PP-B-21

CLP ID: 04642

SAMPLE TIME: 1245

WELL #: MPW-08-PP-B-21

DEPTH OF PUMP INTAKE: 50 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 45-55 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 6061 / Horiba U-22 (circle one)  
Other (specify)

Instrument  
Length 20.20

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Surf/Water</i> ft	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1215		10/15 80	~250	—	5.63	0.202	12.42	12.00	46.6	0.0
1220		—	—	—	5.69	0.200	11.83	11.83	85.6	0.15
<del>1220</del>										
1225		—	—	—	5.68	0.200	13.55	11.83	94.8	0.0
1230		—	—	—	5.68	0.200	13.55	11.84	105.1	0.15
1235		10/15 80	~250	—	5.68	0.200	13.62	11.72	110.1	0.0
1240	~ 14 liters				5.68	0.199	13.70	11.77	108.7	0.0
				Collect sample		0.1245				

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

- Sampled concurrently with Port 3

LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 11/28/07  
SAMPLERS: BILL WERT, JOE BUTTAN  
WEATHER CONDITIONS: SUNNY, 50°F

SAMPLE ID: MPW-08-PD-C-R1 SAMPLE TIME: 12:46  
CLP ID: B4GH3

WELL #: MPW-08 Port #3 / C  
DEPTH OF PUMP INTAKE: 80 ft TIC or BGS (circle one)  
SCREENED/OPEN BOREHOLE INTERVAL: 75-85 ft TIC or BGS (circle one)  
SAMPLE FLOW RATE: ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600XL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_ Instrument: \_\_\_\_\_

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Drive/vent PSI</i>	FLOW RATE <i>ml/min</i>	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs. (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1215		10/15 80	250		6.01	0.167	14.64	11.90	109.8	0.0
1220		10/15 80	250		6.04	0.166	15.04	12.00	114.5	0.0
1225		10/15 80	250		6.03	0.167	13.38	11.89	117.7	0.0
1230		10/15 80	250		6.03	0.167	13.60	11.90	119.9	0.0
1235	~15 bgs	10/15 80	250		6.02	0.167	13.51	11.90	121.9	0.0

\* Pumped Simultaneously with Port #2/B

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      bgs = below ground surface



LAI SUP AND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 11/23/07

SAMPLERS: Toe Button / Bll Well

WEATHER CONDITIONS: 50°F Sunny

SAMPLE ID: MPW-08-PD-D-R1

CLP ID: B4644

SAMPLE TIME: 12:00

WELL #: MPW-08 Port 4 (1)

DEPTH OF PUMP INTAKE: 160 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 95-105 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # YSI-600 vL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Cannette 2080

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Draw / vent PSI</i>	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <i>ml/min</i>	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
11:30		<u>10/15</u> <u>85</u>	<u>~250</u>		<u>6.35</u>	<u>0.164</u>	<u>13.34</u>	<u>11.60</u>	<u>7.4</u>	<u>0</u>
11:35		—	—		<u>6.36</u>	<u>0.164</u>	<u>13.35</u>	<u>11.55</u>	<u>18.1</u>	<u>0.05</u>
11:40		—	—		<u>6.36</u>	<u>0.164</u>	<u>13.51</u>	<u>11.44</u>	<u>40.6</u>	<u>0</u>
11:45		—	—		<u>6.36</u>	<u>0.164</u>	<u>13.49</u>	<u>11.54</u>	<u>45.1</u>	<u>0</u>
11:50		—	—		<u>6.36</u>	<u>0.164</u>	<u>13.55</u>	<u>11.60</u>	<u>49.6</u>	<u>0</u>
11:55		—	—		<u>6.35</u>	<u>0.164</u>	<u>13.59</u>	<u>11.62</u>	<u>51.1</u>	<u>0</u>
12:00	<u>~15 hrs</u>	<u>10/15</u> <u>85</u>	<u>~250</u>		<u>Collect Sample @ 12:00</u>					

Note: Sampled concurrently with Port 5 (E)

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 11/28/07

WELL #: MPW-08 (PORT 5/E)

SAMPLERS: Bill Wentz, JOE BUTTON

DEPTH OF PUMP INTAKE: 120 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: sunny, 50°F

SCREENED/OPEN BOREHOLE INTERVAL: ~~115-125~~ 115-125 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-08-PD-E-R1 SAMPLE TIME: 1200

SAMPLE FLOW RATE: ml/minute

CLP ID: B4GHS

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 XL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LA MOTT

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Drive/Vent PSI</i>	FLOW RATE <i>ml/min</i>	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or µS/cm (circle one)	mg/L ( <u>not</u> %)	Units: °C	mV	NTUs
1130		10 / 15 85	260		6.32	0.101	6.85	11.50	74.5	0.20
1135		10 / 15 85	260		6.71	0.102	7.72	11.55	73.4	0.0
1140		10 / 15 85	260		6.77	0.102	7.84	11.36	75.7	0.0
1145		10 / 15 85	260		6.80	0.102	7.96	11.52	77.3	0.10
1150		10 / 15 85	260		6.82	0.102	7.99	11.50	79.0	0.0
1155	~15 hrs	10 / 15 85	260		6.84	0.102	8.02	11.56	80.5	0.0

\* Pumped Simultaneously with Port 4/D

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-29-07

WELL #: MPW-09 Port 1 (A)

SAMPLERS: ME, JR

DEPTH OF PUMP INTAKE: 15 ft TIC or ~~ft BGS~~ (circle one)

WEATHER CONDITIONS: Cool, overcast

SCREENED/OPEN BOREHOLE INTERVAL: 10-20 ft TIC or ~~ft BGS~~ (circle one)

SAMPLE ID: MPW-09-PD-A-R1

SAMPLE TIME: 1245

SAMPLE FLOW RATE: 260 ml/minute  
purge rate 260

CLP ID: BUGH6

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # ~~600~~ HL-6-m Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Cannon 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
			<u>PSI</u>	(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	(± 10 mV)	(± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <u>PSI</u>	ft TIC / ft bgs (circle one)	SU	S/cm, (mS/cm <sup>2</sup> ) or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1215	<u>Start Purge</u>			<u>Second Drive Vent</u>						
1225			130	1614	5.73	0.202	8.59	10.81	176.9	0.15
1235			↓	↓	5.73	0.202	8.48	10.85	181.3	0.05
1240			↓	↓	5.73	0.202	8.45	10.85	184.5	0.05
1243	8L		↓	↓	5.73	0.202	8.44	10.85	185.7	0.05

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

11-29-07

LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 11-29-07  
SAMPLERS: ME, JOR

WELL #: MPW-09-Port 2 (B)

DEPTH OF PUMP INTAKE: 50 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Cool, overcast

SCREENED/OPEN BOREHOLE INTERVAL: 45-55 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-09-PD-B-R1 SAMPLE TIME: 1210

SAMPLE FLOW RATE: 240 ml/minute  
purge flow rate 240

CLP ID: B4GH7

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 50 ~~100~~ Horiba U-22 (circle one)  
Other (specify) 100 XL - B - m

Instrument:  
Camco 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
			( $\pm 0.3$ FT)		( $\pm 0.1$ SU)	( $\pm 3\%$ )	( $\pm 10\%$ )	( $\pm 10\%$ )	( $\pm 10$ mV)	( $\pm 10\%$ )
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: PSI	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or $\mu$ S/cm (circle one)	mg/L (not %)	Units: $^{\circ}$ C	mV	NTUs
start	purge	1135	130	seconds 76-14	5.65	0.252	6.87	10.45	157.6	0.00
1145				Drive vent 16 14	5.65	0.252	6.87	10.45	157.6	0.00
1150					5.62	0.251	7.43	10.50	160.8	0.00
1155					5.62	0.251	7.48	10.51	163.9	0.00
1200					5.61	0.252	7.49	10.59	170.5	0.00
1205					5.61	0.252	7.49	10.58	171.3	0.00
1208			✓	✓	5.61	0.252	7.51	10.56	172.2	0.00
	8.5 liters									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial, -55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Casing bgs = below ground surface

Desam Well

LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 11-29-07

SAMPLERS: ME, JR

WEATHER CONDITIONS: Overcast cold

SAMPLE ID: MPW-09-PD-C-R1

CLP ID: B4GH8

SAMPLE TIME: 1130

WELL #: MPW-09 Port 3 (C)

DEPTH OF PUMP INTAKE: 75 ft TIC or BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 70-80 ft TIC or BGS (circle one)

SAMPLE FLOW RATE: 230 ml/minute  
Purge Flow Rate 230

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600115 Horiba U-22 (circle one)  
Other (specify) XL-B-M

Instrument:  
Camtech 5000

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
			( $\pm 0.3$ FT)		( $\pm 0.1$ SU)	( $\pm 3\%$ )	( $\pm 10\%$ )	( $\pm 10\%$ )	( $\pm 10$ mV)	( $\pm 10\%$ )
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <u>PSI</u>	ft TIC / ft bgs (circle one)	SU	S/cm <u>mS/cm</u> or $\mu$ S/cm (circle one)	mg/L (not %)	Units: $^{\circ}$ C	mV	NTUs
Start	Purge	1055	130	seconds Drive Vent						
1105				16 14	5.90	0.273	1.78	10.28	133.6	0.90
1115					5.86	0.274	1.66	10.25	145.9	0.80
1120					5.85	0.273	1.63	10.37	149.8	0.80
1125					5.85	0.273	1.60	10.40	152.3	1.00
1128		8.0 L	$\checkmark$	$\checkmark$ $\checkmark$	5.85	0.273	1.59	10.42	153.9	0.90

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-29-07

SAMPLERS: ME, JR

WEATHER CONDITIONS: Overcast, cold

SAMPLE ID: MPW-09-PD-D-R1 SAMPLE TIME: 1045

CLP ID: B4GH9

WELL #: MPW-09 Port 4 (D)

DEPTH OF PUMP INTAKE: 95 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 90-100 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 250 ml/minute

Purge Flow Rate 300

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 445 Horiba U-22 (circle one)  
Other (specify) XL-B-m

Instrument: La Motte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
			<u>PSI</u>	(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	(± 10 mV)	(± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <u>PSI</u>	ft TIC / ft bgs (circle one)	SU	S/cm, <u>mS/cm</u> or $\mu$ S/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>start purge 1015</u>										
1025			130	16 14	6.34	0.186	3.00	10.30	95.7	2.7
1030			↓	↓ ↓	6.36	0.187	2.99	10.32	100.8	2.2
1035			↓	↓ ↓	6.36	0.187	3.06	10.34	105.6	2.2
1040			↓	↓ ↓	6.36	0.188	3.08	10.34	108.9	2.6
1043	9.0L		↓	↓ ↓	6.36	0.189	3.05	10.34	111.3	2.8

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Casing      bgs = below ground surface

**LAI SUF. . . . . UND SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-29-07

SAMPLERS: ME, JR

WEATHER CONDITIONS: 45°

SAMPLE ID: MPW-09-PD-E-R1

CLP ID: 046JO

WELL #: MPW-09 Port 5 (E)

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 125-135 ft TIC or ft BGS (circle one)

SAMPLE TIME: 0955

SAMPLE FLOW RATE: 120 ml/minute

Purge Flow Rate 120 ml

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 650/45 Horiba U-22 (circle one)  
Other (specify) XL-8-m

Instrument: Lamm 2026

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE PSI	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: PSI	ft TIC / ft bgs (circle one)	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
Start	Purge	0918	100	seconds Drive Vent						
0925				16 14	6.43	0.181	1.95	9.66	176.7	0.15
0935				16 14	6.40	0.171	1.53	9.90	168.0	0.10
0940				16 14	6.40	0.170	1.38	9.94	163.7	0.05
0945				16 14	6.40	0.170	1.37	9.94	161.5	0.05
0950				16 14	6.40	0.170	1.38	9.90	159.4	0.05
0953	1.5 gallons		✓	16 14	6.40	0.170	1.37	9.91	158.4	0.05

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, -55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing      bgs = below ground surface

**LAI SUPERFUND SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11/27/07

SAMPLERS: Joe Button / Bill Wert

WEATHER CONDITIONS: 50°F sunny

SAMPLE ID: MPW-10-PD-A-R1

CLP ID: B46E0

SAMPLE TIME: 1425

WELL #: MPW-10 Port 1 (A)

DEPTH OF PUMP INTAKE: 165 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 160-170 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 250 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600-YL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Lanette 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Pressure/vent</i> <u>PSI</u>	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm <u>mS/cm</u> or µS/cm (circle one)	mg/L ( <u>not</u> %)	Units: °C	mV	NTUs
1315		129/11 sec 135 psi	250 mL		5.86	0.465	3.79	12.43	68.5	0.0
1310		129 sec / 11 sec	—		5.84	0.465	5.88	12.42	73.2	—
1315		132 psi	—		5.84	0.465	5.84	12.47	74.5	0.0
1320		—	250 mL		5.83	0.465	5.83	12.34	76.9	0.25
1325				— Nitrogen Empty						
1330 1410		12/11 135 psi	250 mL		5.88	0.463	5.87	12.75	85.2	0.0
1415		—	—		5.84	0.462	5.84	11.91 °C	80.7	0.0
1420	10 L	—	—		5.84	0.462	5.84	11.88 °C	78.9	0.0
					sample	1425				

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three-to-five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      bgs = below ground surface



**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: **11/27/07**  
 SAMPLERS: **Bill West / Joe Button**  
 WEATHER CONDITIONS: **partly cloudy, 55°F**  
 SAMPLE ID: **Mpw-10-PD-B-R2** SAMPLE TIME: **1430**  
 CLP ID: **B46E1**

WELL #: **Mpw-10 (PORT #2 (B))**  
 DEPTH OF PUMP INTAKE: **190** ft TIC or **BGS** (circle one)  
 SCREENED/OPEN BOREHOLE INTERVAL: **185-195** ft TIC or **BGS** (circle one)  
 SAMPLE FLOW RATE: **250** ml/minute

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # **600 XL** / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Drive/Vent PSI</i>	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons <u>liters</u> (circle one)	ft TIC / ft bgs (circle one)	Units: <i>ml/min</i>	ft TIC / ft bgs (circle one)	SU	S/cm <u>mS/cm</u> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<b>1305</b>		<b>12/11 135</b>	<b>250</b>		<b>5.90</b>	<b>0.624</b>	<b>5.27</b>	<b>12.37</b>	<b>38.7</b>	<b>0</b>
<b>1310</b>		<b>12/11 135</b>	<b>250</b>		<b>5.88</b>	<b>0.629</b>	<b>2.79</b>	<b>12.40</b>	<b>52.3</b>	<b>0</b>
<b>1315</b>		<b>12/11 135</b>	<b>250</b>		<b>5.87</b>	<b>0.629</b>	<b>2.34</b>	<b>12.64</b>	<b>57.9</b>	<b>0.25</b>
<b>1320</b>		<b>12/11 135</b>	<b>250</b>		<b>5.87</b>	<b>0.630</b>	<b>2.27</b>	<b>12.50</b>	<b>60.5</b>	<b>0</b>
<b>1325</b>		<b>12/11 135</b>	<b>250</b>		<b>5.88</b>	<b>0.631</b>	<b>2.42</b>	<b>12.14</b>	<b>67.2</b>	<b>0</b>
<b>1330 1410</b>		<b>12/11 135</b>	<b>250</b>		<b>5.86</b>	<b>0.633</b>	<b>3.53</b>	<b>11.89</b>	<b>93.3</b>	<b>0.05</b>
<b>1415</b>		<b>12/11 135</b>	<b>250</b>		<b>5.85</b>	<b>0.633</b>	<b>2.86</b>	<b>11.89</b>	<b>93.8</b>	<b>0.05</b>
<b>1420</b>		<b>12/11 135</b>	<b>250</b>		<b>5.87</b>	<b>0.632</b>	<b>2.31</b>	<b>11.88</b>	<b>95.1</b>	<b>0.10</b>
<b>1425</b>	<b>10L</b>	<b>12/11 135</b>	<b>250</b>		<b>5.87</b>	<b>0.633</b>	<b>2.40</b>	<b>11.86</b>	<b>96.7</b>	<b>0.10</b>

**\* Pumped simultaneously with MPW-10 PORT #1 (A)**

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

**LAI SUPERFUND SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11/27/08

WELL #: MPW-10 Port 3 (c)

SAMPLERS: Joe Button / Bill Went

DEPTH OF PUMP INTAKE: 220 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: 50°F Sunny

SCREENED/OPEN BOREHOLE INTERVAL: 215-225 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-10-PD-C-R2 SAMPLE TIME: 1625

SAMPLE FLOW RATE: 200 ml/minute

CLP ID:

B4G-E2

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 XL-B-A Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Garmin 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Purge vent PSI</i>	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	<u>ft TIC / ft bgs</u> (circle one)	Units: <u>ml/min</u>	ft TIC / ft bgs (circle one)	SU	<u>S/cm</u> , mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1545		12/11 135	200		6.24	0.392	5.21	11.72	-126.1	0
1550					6.28	0.395	5.65	11.73	-98.1	0
1555					6.28	0.395	5.75	11.72	-67.9	0
1610					6.28	0.395	5.85	11.73	-60.8	0
1605					6.27	0.395	6.00	11.72	-50.4	0
1610					6.27	0.395	6.08	11.71	-49.40	0
1615	7.5L				6.27	0.395	6.10	11.71	-46.2	0

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      bgs = below ground surface

**LAI SUPERFUND SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-27-08

SAMPLERS: Joe Button / Bill Wert

WEATHER CONDITIONS: 50°F, Sunny

SAMPLE ID: MPW-10-PD-DRI SAMPLE TIME:

CLP ID: B4GE3

WELL #: MPW-10 Part 4 (D)

DEPTH OF PUMP INTAKE: 240 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 235-245 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 200 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model# 600XL-B7 Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Lamotte  
2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER <i>Purge ved</i>	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: <u>ml/min</u>	ft TIC / ft bgs (circle one)	SU	<u>S/cm</u> mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1545		12/11 135	200		6.03	0.378	4.83	11.51	29.0	0
1550					6.28	0.378	6.00	11.54	26.5	0
1555					6.32	0.377	6.52	11.58	27.7	0
1600					6.35	0.378	6.91	11.60	29.7	0
1605					6.37	0.378	7.45	11.57	32.6	0
1610					6.38	0.378	7.67	11.58	35.1	0
1615	7.5L				6.38	0.378	7.70	11.59	37.2	0

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-28-07

WELL #: MW-05

SAMPLERS: ME, JR

DEPTH OF PUMP INTAKE: 207 <sup>187'</sup> ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: 45°

SCREENED/OPEN BOREHOLE INTERVAL: 180-195 ft TIC or ft BGS (circle one)

SAMPLE ID: MW-05-PD-R1

SAMPLE TIME: 1300

SAMPLE FLOW RATE: 250 ml/minute  
Purge Flow 250

CLP ID: B46J2

Instrument Type/Model:  
Complete and/or Circle at right

SI Model # 1000MD Horiba U-22 (circle one)  
Other (specify) XC-B-m

Instrument:  
Carmate 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1130	start pump	184.92	250							
1135		184.92	250		5.99	0.188	9.45	13.58	178.8	16.0
1140		184.92	250		5.68	0.187	8.97	16.00	137.8	16.1
1150		184.92	250		5.67	0.189	8.57	18.14	148.7	30
1200		184.92	250		5.66	0.188	8.50	18.79	148.8	36.1
1210		184.92	250		5.63	0.187	8.43	18.97	156.8	40.2
1220		184.92	250		5.62	0.187	8.40	18.87	160.2	31.1
1230		184.92	250		5.61	0.187	8.33	19.25	162.0	24.0
1240		184.92	250		5.60	0.187	8.41	18.86	167.2	18.5
1250		184.92	250		5.60	0.186	8.38	18.91	171.2	15.3
1255	22.5 L	184.92	250		5.60	0.185	8.38	18.92	172.4	12.1

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      bgs = below ground surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 11-28-07

SAMPLERS: ME, JR

WEATHER CONDITIONS: 40-45°

SAMPLE ID: FG-01-PD-R1

CLP ID: B46D1

WELL #: FG-01

DEPTH OF PUMP INTAKE: 187 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 180-185 ft TIC or ft BGS (circle one)

SAMPLE TIME: 0955

SAMPLE FLOW RATE: 200 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 660-MT Horiba U-22 (circle one)  
Other (specify) XL-G-M

Instrument:  
660-MT  
2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
0855	Start Pump				Brown	Color	Turbid			
0905		165.12	400		5.98	0.192	9.48	16.81	145.4	29
0935		"	400		5.97	0.191	9.45	16.85	147.4	20
0940		"	400		5.97	0.191	9.51	16.84	148.8	18
0945		"	400		5.97	0.191	9.52	16.81	149.2	15
0950		"	400		5.97	0.190	9.53	16.87	150.3	10
0953	12.0L	"	400		5.97	0.190	9.57	16.80	151.6	8

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, -55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface

Jose Reyes

**LAJ**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

Poster: 8374.1  
Temp: 11.6 °C

DATE: 5/19/08

WELL #: MPW-01-PD-A-R2

SAMPLERS:

DEPTH OF PUMP INTAKE: 165 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny 50°F breezy

SCREENED/OPEN BOREHOLE INTERVAL: 170-170 ft or ft BGS (circle one)

SAMPLE ID: MPW-01-PD-A-R2 SAMPLE TIME: 9:25  
CLP ID: B4

SAMPLE FLOW RATE: 250 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # ~~600XL-B-m~~ / Horiba U-22 (circle one)  
Other (specify)

Instrument:  
La Motte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / <u>liters</u> (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, <u>mS/cm</u> or $\mu$ S/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
08:28			250 ml		5.25	0.350	0.16	11.44	177.2	5.0
08:33			250 ml		5.30	0.346	4.3	11.45	124.6	2.04
08:40			250 ml		5.35	0.350	0.03	11.46	107.8	1.58
08:45			250 ml		5.34	0.353	0.04	11.46	99.4	1.27
08:50			250 ml		5.32	0.354	0.07	11.47	93.2	1.80
08:55			250 ml		5.30	0.357	0.08	11.53	90.7	1.70
09:00			250 ml		5.29	0.359	0.07	11.58	79.9	1.70
09:05			250 ml		5.26	0.360	0.04	11.56	72.9	1.60
09:10	14.3L		250 ml		5.23	0.361	0.05	11.57	68.8	1.30
09:15	09:25		250 ml		5.27	0.362	0.04	11.69	66.1	1.30

09:20 (sampling time) 250 ml 5.26 0.363 0.05 11.66 64.0 1.1  
Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

Temp: 11.6

DATE: 5/19/08

WELL #: MPW-01-PD-B-R2

SAMPLERS: Jose Reyes  
Sam O'Neil

DEPTH OF PUMP INTAKE: 165 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny / Breezy 50°F

SCREENED/OPEN BOREHOLE INTERVAL: 160 - 170 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-01-PD-B-R2 SAMPLE TIME: 1045

SAMPLE FLOW RATE: 250 ml/minute

CLP ID: ~~046034~~  
B4X12

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 XL-B-M / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
La Motte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / <u>(liters)</u> (circle one)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	<u>S/cm, mS/cm</u> / or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
9:50	0		250		5.00	0.363	0.46	11.48	61.0	0.95
9:55			250		5.05	0.363	0.54	11.49	65.7	0.35
10:00			250		5.08	0.362	0.55	11.47	74.2	0.25
10:05			250		5.08	0.363	0.56	11.47	76.7	0.10
10:10			250		5.09	0.363	0.57	11.50	83.7	0.05
10:15			250		5.09	0.365	0.58	11.50	87.0	0.15
10:20			250		5.09	0.364	0.61	11.53	100.4	0.10
10:25			250		5.09	0.366	0.63	11.54	107.3	0.05
10:30			250		5.06	0.367	0.64	11.56	112.5	0.10
10:35	12.9L		250		5.09	0.367	0.66	11.57	117.7	0.03

10:40 8 Gallons 250 5.09 0.367 0.66 11.59 119.5 0.08  
 Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes.  
 The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

10:45 → sample collected

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

TIC = Top of Casing

BGS = Below Ground Surface



**LAJ**  
**OLD ROOSEVELT FIELD GROL WATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

Transducer: 72"  
Temp: 11.2°C

DATE: 5/19/08

WELL #: MPW-01-PD-C-R2

SAMPLERS: J. Reyes; S. O'HARE

DEPTH OF PUMP INTAKE: 165 ft TIC or (BGS) (circle one)

WEATHER CONDITIONS: 50% Sunny; Partially Cloudy

SCREENED/OPEN BOREHOLE INTERVAL: 160-170 ft TIC or (ft BGS) (circle one)

SAMPLE ID: MPW-01-PD-C-R2 SAMPLE TIME: 11:50

SAMPLE FLOW RATE: 200 ml/minute

CLP ID:

B4000  
X13

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
La Motte

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
11:40	/		250		5.78	0.313	-0.60	11.49	98.0	2.64
11:45			250		5.56	0.314	-0.65	11.48	70.0	6.99
11:50			250		6.35	0.348	0.13	11.50	56.1	0.85
11:55			250		6.68	0.351	0.12	11.51	56.6	0.50
11:20			250		6.88	0.352	0.12	11.52	57.8	0.30
11:25			250		6.94	0.352	0.12	11.51	58.8	0.35
11:30			250		6.97	0.350	0.13	11.57	59.1	0.40
11:35			250		7.00	0.347	0.14	11.65	60.1	1.3
11:40	12.5L		250		7.92	0.344	0.14	11.78	61.7	2.2
11:45	5 gallons		250		7.93	0.337	0.15	11.80	61.6	2.4

11:50 → Sample collected

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface



Lawrence Aviation Industries Site  
Development Record

Temp. - 11.9 °C

DATE: 5/27/08

WELL #: MPW-02-A

SAMPLERS: RLT+SO

DEPTH OF PUMP INTAKE: 195 ft TIC or BGS (circle one)

WEATHER CONDITIONS: Sunny/Cloud

SCREENED/OPEN BOREHOLE INTERVAL: 190-200 ft TIC or BGS (circle one)

SAMPLE ID: MPW-02-PD-A-R2 SAMPLE TIME: 1600

SAMPLE FLOW RATE: 80 ml/minute

CLP ID: B4X14

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model 660 XLEB-M Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LaMotte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1525			80		6.00	0.403	4.15	28.32	204.5	2.0
1530					6.05	0.408	4.38	24.85	223.7	0.15
1535					5.76	0.406	4.90	18.04	244.3	0.00
1540					5.69	0.401	4.80	17.80	255.6	0.10
1545					5.64	0.401	4.99	16.80	267.4	0.05
1550					5.73	0.402	5.37	17.14	277.1	0.10
1555	2.8L				5.75	0.402	5.43	17.37	287.1	0.10
1600	Sample collected ↓									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top Inner Casing

BGS = Below Ground Surface

Lawrence Av. Industries Site  
Development Record

Transducer 1123.0  
Temp. → 11.4°C

DATE: 5/27/08

WELL #: MPW02-B

SAMPLERS: KR/80

DEPTH OF PUMP INTAKE: 220 ft TIC or BGS (circle one)

WEATHER CONDITIONS: Sunny/humid

SCREENED/OPEN BOREHOLE INTERVAL: 215-225 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-02 PO-B-R2 SAMPLE TIME: 1410

SAMPLE FLOW RATE: 160 ml/minute

CLP ID: B4X15

Instrument Type/Model:

Complete and/or Circle at right

YSI Model # 600 XCB-M Horiba U-22 (circle one)  
Other (specify)

Instrument: La Motte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1315			100		5.89	0.287	4.47	22.30	130.9	0.25
1325					5.35	0.294	10.41	20.01	178.9	0.60
1335					5.35	0.294	10.52	20.30	203.4	0.45
1340					5.35	0.294	9.99	20.41	217.5	0.10
1345					5.36	0.295	9.17	20.38	209.8	0.10
1350					5.35	0.295	8.80	20.58	242.0	0.35
1355					5.37	0.295	10.15	20.48	253.4	0.45
1400					5.35	0.294	10.15	20.46	266.0	0.40
1405	6.5L		✓		5.36	0.295	10.22	20.52	279.2	0.30
1410	Sample Collected									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

Transducer → 7692  
Temp. → 11.1 °C

DATE: 5/27/08

SAMPLERS: F.R. / S.O.

WEATHER CONDITIONS: Over-cast / Light precipitation

SAMPLE ID: MPW02-PD-~~B~~-R2 SAMPLE TIME: 1225

CLP ID: B4X16

WELL #: MPW02-~~B~~C

DEPTH OF PUMP INTAKE: 245 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 240-250 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: ~~350~~ ml/minute

XL-B-150

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # ~~600~~ / Horiba U-22 (circle one)  
Other (specify)

Instrument:  
La Motte  
2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: mL/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1130			150		6.37	0.268	4.06	17.59	106.3	0.35
1140					6.06	0.265	4.07	17.49	116.4	0.00
1150					6.05	0.264	4.18	18.22	123.3	0.25
1200					6.04	0.266	4.40	18.69	133.6	0.15
1205					6.02	0.264	4.58	19.03	139.3	0.05
1210					6.02	0.265	4.68	19.15	144.1	0.15
1215					6.01	0.265	4.74	19.15	149.4	0.25
1220	8.3L				6.02	0.265	4.80	19.20	154.0	0.15
1225 → Sample										

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top Inner Casing

BGS = Below Ground Surface

Lawrence Avl Industries Site  
Development Record

Temp. = 10.8°C

DATE: 5/27/08

SAMPLERS: FR + SO

WEATHER CONDITIONS: Overcast / light rain

SAMPLE ID: MPW-02-P0-D-R2 SAMPLE TIME: 1105

CLP ID: B4X17

WELL #: MPW-02-P0-D-R2

DEPTH OF PUMP INTAKE: 270 ft TIC or BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 265-275 ft TIC or BGS (circle one)

SAMPLE FLOW RATE: 250 ml/minute  
150

Instrument Type/Model:  
Complete and/or Circle at right

Model: 660 XLS-B M Horiba U-22 (circle one)  
Other (specify):

Instrument:  
2800

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: <u>ml/min</u>	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1010			150		6.56	6.263	9.12	17.60	148.0	0.55
1020					5.84	0.255	6.42	15.36	49.1	0.50
1030					5.94	0.256	8.08	15.14	62.7	0.20
1040					5.99	0.257	8.67	15.32	75.5	0.15
1045					5.97	0.256	8.78	15.41	81.3	0.20
1050					5.96	0.257	8.96	15.37	86.9	0.20
1055					5.96	0.257	9.17	15.36	91.3	0.25
1100	8.3L		↓		5.95	0.257	9.24	15.34	95.2	0.20
1105 →	Sample Collected									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**LAI**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

Temp.  $\rightarrow$  10.6°C

DATE: 5/20/08

WELL #: MPW03-PD-A15

SAMPLERS: Jose Reyes / Sam O'Hare

DEPTH OF PUMP INTAKE: 180 ft TIC or BGS (circle one)

WEATHER CONDITIONS: Cloudy / Light Drizzle

SCREENED/OPEN BOREHOLE INTERVAL: 175-185 ft TIC or BGS (circle one)

SAMPLE ID: MPW-03-PD-A12 SAMPLE TIME: 1505  
 CLP ID: B4X18

SAMPLE FLOW RATE: 200 ml/minute

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 600X-5m / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument:  
LaMotte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN ( $\pm$ 0.3 FT)	pH ( $\pm$ 0.1 SU)	SPECIFIC CONDUCTIVITY ( $\pm$ 3%)	DISSOLVED OXYGEN ( $\pm$ 10%)	TEMP. ( $\pm$ 10%)	REDOX POTENTIAL L	TURBIDITY ( $\pm$ 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or $\mu$ S/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
14:20			250 mL		6.17	0.209	0.60	11.08	46.2	7.14
14:25			250 mL		6.20	0.209	0.75	11.07	39.1	6.51
14:30			250 mL		6.23	0.209	0.62	11.03	35.0	5.58
14:35			250 mL		6.24	0.208	0.61	10.99	32.8	5.17
14:40			250 mL		6.28	0.212	0.52	10.96	21.2	4.28
14:45			250 mL		6.32	0.214	0.42	10.90	10.1	3.77
14:50			250 mL		6.36	0.217	0.31	10.87	-1.8	3.67
14:55			250 mL		6.38	0.218	0.24	10.91	-5.7	3.61
15:00	11.3L		250 mL		6.42	0.219	0.21	10.92	-9.1	3.62
15:05	$\rightarrow$ sample collected		250 mL	5.0						

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
 Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in industrial; ~55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**LAI**  
~~OLD ROOSEVELT FIELD~~ GROUNDWATER CONTAMINATION SITE  
 LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

Temp. → °C

DATE: 5/20/08

WELL #: MPW-03-PD-B-~~18~~

SAMPLERS: J.R. / S.D.

DEPTH OF PUMP INTAKE: 205 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: cloudy / Light Drizzle

SCREENED/OPEN BOREHOLE INTERVAL: 195 - 205 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-03-PD-B-R2 SAMPLE TIME: 1500  
 CLP ID: B4X19

SAMPLE FLOW RATE: 200 ml/minute

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 660XL-B / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument:  
Camote 2000

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: mL	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
15:05			250 mL		6.51	0.202	0.84	10.64	-19.6	48.0
15:10			250 mL		6.08	0.210	1.02	11.10	0.1	608
15:15			250 mL		6.00	0.212	0.65	11.07	-7.1	589
15:20			250 mL		6.14	0.006	-0.45	10.96	-28.1	4.39
15:25			250 mL		6.36	0.249	-0.62	10.93	-49.6	1.14
15:30			250 mL		6.40	0.247	-0.65	10.85	-52.1	1.43
15:35			250 mL		6.43	0.245	-0.65	10.82	-57.5	2.36
15:40			250 mL		6.44	0.243	-0.62	10.86	-59.8	9.00
15:45	11.3L		250 mL		6.41	0.241	-0.58	10.80	-57.0	
15:50	→ collect sample									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

CFL  
OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE S.O.  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD → C

Temp. → 10.5

DATE: 5/20/08

WELL #: MPW-03-PD ~~B-74~~

SAMPLERS: J.R. / S.O.

DEPTH OF PUMP INTAKE: 220 ft TIC or BGS (circle one)

WEATHER CONDITIONS: cloudy / light drizzle

SCREENED/OPEN BOREHOLE INTERVAL: 215-225 ft TIC or BGS (circle one)

SAMPLE ID: MPW-03-PD-C-~~P2~~ SAMPLE TIME: 1:20

SAMPLE FLOW RATE: 220 ml/minute

CLP ID: B4X20

Instrument Type/Model:  
Complete and/or Circle at right

S Model # 600X68-M Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Lamotte  
2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
16:25			250 L		5.86	0.291	2.13	10.77	3.7	5.47
16:30			250 mL		6.40	0.322	1.60	10.70	-11.2	2.49
16:35			250 mL		6.90	0.327	0.98	10.76	-16.2	1.48
16:40			250 L		6.85	0.312	0.88	10.74	-7.0	1.75
16:45			250 mL		6.75	0.307	0.87	10.73	-0.5	2.0
16:50			250 mL		6.66	0.309	1.11	10.71	5.6	2.0
16:55			250 mL		6.57	0.305	1.22	10.71	11.8	1.5
17:00	10.0 L		250 mL		6.57	0.310	1.35	10.74	14.8	1.3
17:05	→ Collected Sample									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing BGS = Below Ground Surface

~~OLD ROOSEVELT FIELD GROUNDWATER~~ WATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

Temp. = 14°C

DATE: 3/20/08

WELL #: MPW-03-PDD-~~1~~

SAMPLERS: J.R./S.O.

DEPTH OF PUMP INTAKE: 240 ft TIC or BGS (circle one)

WEATHER CONDITIONS: Cloudy / Light Drizzle

SCREENED/OPEN BOREHOLE INTERVAL: 235-245 ft TIC or BGS (circle one)

SAMPLE ID: MPW-03-PDD-~~1~~ RD

SAMPLE TIME: 18:10

SAMPLE FLOW RATE: 200 ml/minute

CLP ID: B4X21

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 660 / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LaMotte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
17:00			250 mL		6.59	0.310	3.48	10.55	26.7	3.2
17:15			250 mL		6.52	0.259	3.47	10.51	26.7	33
17:20			250 mL		5.46	0.297	-0.02	10.73	9.6	26
17:25			250 mL		6.22	0.297	-0.61	10.40	-21.0	35
17:30			250 mL		6.25	0.269	-0.17	10.41	-24.2	36
17:35			250 mL		6.30	0.299	-0.39	10.53	-30.2	38
17:40			250 mL		6.28	0.299	-0.61	10.52	-32.9	38
17:50			250 mL		6.30	0.298	-0.77	10.54	-37.7	30
17:55			250 mL		6.30	0.298	-0.74	10.53	-39.1	30
18:00	15.0L		250 mL		6.30	0.298	-0.61	10.53	-40.4	9.8

18:10 → collected sample

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface



LAI

# OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

Transducer - 011-1-1-1

Temp. → 13.0°C

DATE: 5/21/08

WELL #: MPW04 - A

SAMPLERS: J.R. / S.O.

DEPTH OF PUMP INTAKE: 155 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny 50°F

SCREENED/OPEN BOREHOLE INTERVAL: 150 - 160 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW04-PD-A-RD

SAMPLE TIME: 9:10

SAMPLE FLOW RATE: 200 ml/minute

CLP ID: B4X22

Instrument Type/Model:  
Complete and/or Circle at rightYSI Model # 650X45 / Horiba U-22 (circle one)  
Other (specify) NAInstrument:  
Lamotte  
2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
			(± 0.3 FT)		(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	L	(± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: mL	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
08:30			250 mL		5.65	0.484	0.33	11.75	108.4	16
08:35			250 mL		5.42	0.534	0.25	11.88	95.3	8.7
08:40			250 mL		5.35	0.550	0.34	12.09	82.4	1.6
08:45			250 mL		5.34	0.551	0.41	12.29	75.3	1.0
08:50			250 mL		5.34	0.552	0.44	12.36	70.3	1.1
08:55			250 mL		5.34	0.552	0.40	12.34	66.8	1.0
09:00			250 mL		5.33	0.552	0.35	12.53	64.3	0.85
09:05	10.0L		250 mL		5.34	0.552	0.33	12.54	62.9	0.90
09:10	Sample collected									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - &gt;500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top Casing

BGS = Below Ground Surface

**CAI**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

Temp. → 19.6 °C

DATE: 5/21/08

SAMPLERS: JR, SO

WEATHER CONDITIONS: 50°F Sunny

SAMPLE ID: H2W-04-DD 6-R2

SAMPLE TIME: 9:10

CLP ID: B4X23

WELL #: H2W-04/B

DEPTH OF PUMP INTAKE: 175 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 1701-1800 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 200 ml/minute

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 600 HDS / Horiba U-22 (circle one)  
 Other (specify) N/A

Instrument:  
Camotte 2000

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
8:30			250	/	5.24	0.410	-13.75	12.04	-7.6	0.90
8:35			250	/	5.33	0.417	-0.37	12.38	-14.4	0.45
8:40			250	/	5.35	0.422	0.89	12.56	-6.3	0.25
8:45			250	/	5.36	0.426	0.85	12.69	2.3	0.15
8:50			250	/	5.35	0.429	0.63	12.70	11.9	0.12
8:55			250	/	5.34	0.430	0.43	12.67	20.0	0.05
9:00			250	/	5.35	0.431	0.41	12.70	20.6	0.10
9:05	100L		250	/	5.34	0.430	0.40	12.71	20.5	0.08
9:10	Sample collected.									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**LA I**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

temp. = 12.4°C

DATE: 5/21/08

WELL #: NPW-04-C

SAMPLERS: JRSO

DEPTH OF PUMP INTAKE: 205 ft TIC or (BGS) (circle one)

WEATHER CONDITIONS: 50°F Sunny

SCREENED/OPEN BOREHOLE INTERVAL: 200-210 ft TIC or (BGS) (circle one)

SAMPLE ID: NPW-04-PSC-TZ2 SAMPLE TIME: 1005

SAMPLE FLOW RATE: 200 ml/minute

CLP ID: 34X24

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 600 +03 / Horiba U-22 (circle one)  
 Other (specify) N/A

Instrument:  
Camtech 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
9:30			200		6.95	0.548	0.11	12.76	-36.2	0.75
9:35			200		7.02	0.555	0.09	12.81	-35.4	1.00
9:40			200		7.09	0.554	0.09	12.87	-34.5	1.09 1.9
9:45			200		7.10	0.554	0.09	12.87	-34.0	1.00
9:50			200		7.14	0.559	0.07	12.90	-33.9	0.40
9:55			200		7.15	0.554	0.07	12.99	-31.6	0.45
10:00	7.0L		200		7.15	0.555	0.05	13.00	-31.8	2.0
10:05	Sample collected.									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      BGS = Below Ground Surface

**CAI**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

Temp. → 11.9°C

DATE: 5/21/08

WELL #: MPV04-04 (D)

SAMPLERS: J.R. / S.O.

DEPTH OF PUMP INTAKE: 225 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny

SCREENED/OPEN BOREHOLE INTERVAL: 220-230 ft TIC or ft BGS (circle one)

SAMPLE ID: MPV04-PD-D-R2

SAMPLE TIME: 10:05

SAMPLE FLOW RATE: 200 ml/minute

CLP ID: B4X25

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 600 XLSB-m Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument:  
Camore 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
09:30			250 mL		5.70	0.510	0.30	12.45	57.2	0.80
09:35			250 mL		5.72	0.497	0.26	12.41	41.0	0.80
09:40			250 mL		5.74	0.514	0.23	12.65	34.8	0.80
09:45			250 mL		5.74	0.550	0.32	12.86	42.3	0.30
09:50			250 mL		5.71	0.558	0.30	13.02	49.7	0.10
09:55			250 mL		5.69	0.560	0.29	13.33	54.8	0.10
10:00	8.8L		250 mL		5.66	0.561	0.38	13.56	59.4	0.05
10:05 →	Sample Collected									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial; -55,000 in high salt-content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

Temp. → 11.8°C

DATE: 5/21/08

SAMPLERS: J.R. / S.O.

WEATHER CONDITIONS: Sunny 55°F

SAMPLE ID: MPW04-PD-E-R2

CLP ID: B4X26

SAMPLE TIME: 1103

WELL #: MPW04-E

DEPTH OF PUMP INTAKE: 245 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 240-250 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 200 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 650XLM-3-m Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Camo 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
				(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	L	(± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: mL	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
10:28			250 mL		5.92	0.523	0.81	17.06	38.6	0.80
10:33			250 mL		5.94	0.436	0.84	16.19	35.1	0.25
10:38			250 mL		6.12	0.437	0.76	16.95	41.9	0.60
10:43			250 mL		6.26	0.447	0.76	17.5	51.2	0.40
10:48			250 mL		6.22	0.447	0.64	16.38	38.8	0.40
10:53			250 mL		6.28	0.458	0.71	16.64	53.2	0.25
10:58	8.8 L		250 mL		6.18	0.465	0.75	16.76	58.3	0.15
11:03	→ Sample Collected									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      BGS = Below Ground Surface

**LA I**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

Temp. 10.8°C

DATE: 5/21/08

SAMPLERS: J.R. / S.O.

WEATHER CONDITIONS: Partly Cloudy 50°F

SAMPLE ID: MPW05-PD-A-R2 SAMPLE TIME: 1355

CLP ID: B4X27

WELL #: MPW05-A

DEPTH OF PUMP INTAKE: 165 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 160-170 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: <sup>250 S.O.</sup> ~~200~~ ml/minute

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model# 650 / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument:  
Camotte  
2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: mL	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
13:10			250 mL		4.63	0.181	2.26	15.95	163.1	8.8
13:15			250 mL		4.40	0.218	2.05	15.31	121.6	2.9
13:20			250 mL		4.34	0.227	1.54	14.63	104.3	1.3
13:25			250 mL		4.33	0.227	1.03	14.22	99.7	0.75
13:30			250 mL		4.34	0.228	0.91	14.08	98.2	0.25
13:35			250 mL		4.35	0.229	0.80	13.77	97.1	0.85
13:40			250 mL		4.36	0.229	0.85	13.64	95.7	0.49
13:45			250 mL		4.35	0.229	0.65	13.65	95.1	0.24
13:50	11.3 L		250 mL		4.36	0.229	0.64	13.92	93.4	0.30
13:55	→ Collect Sample									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

06B ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

WELL #: 1100-05-B

DEPTH OF PUMP INTAKE: 190 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 185-195

ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 100 ml/minute

1100-05-B

DATE: 5/21/08

SAMPLERS: J2, 50

WEATHER CONDITIONS: 50°F, partly cloudy

SAMPLE ID: 1100-05-B-22

CLP ID: 64x28

Instrument Type/Model: Complete and/or Circle at right

SI Model 600 HONDA U-22 (circle one)  
Other (specify) \_\_\_\_\_

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	PH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
gallons / liters (circle one)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	µS/cm, mS/cm (circle one)	mg/L (not %)	Units: °C	mv	NTUs	
13:10		250		6.10	0.299	1.34	18.41	53.5	0.82	
13:11		250		5.51	0.255	1.54	15.71	29.9	0.91	
13:20		250		5.34	0.242	1.49	15.80	34.8	1.20	
13:21		250		5.19	0.241	1.84	14.91	45.4	0.45	
13:30		250		5.18	0.259	1.10	14.32	51.4	0.30	
13:31		250		5.19	0.259	0.97	14.27	53.4	0.25	
13:40		250		5.19	0.259	0.92	14.27	53.6	0.20	
13:45		250		5.19	0.260	0.92	14.27	53.9	0.10	
13:50		250		5.19	0.260	0.92	14.27	53.9	0.10	

Sample collected

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L  
Redox Potential = -100 - +600 mV  
Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm  
TIC = Top of Casing  
BGS = Below Ground Surface

**CAI**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

Temp. → 10°C

DATE: 5/21/08

SAMPLERS: J2, 50

WEATHER CONDITIONS: 50°F Sunny

SAMPLE ID: APW-05-20-C-122 SAMPLE TIME: 15<sup>10</sup>

CLP ID: B4x29

WELL #: 4PW-25  
4PW-05-C

DEPTH OF PUMP INTAKE: 210 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 205-215 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 250 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 60045 / Horiba U-22 (circle one)  
Other (specify) N/A

Instrument:  
LaMotte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	µS/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1415			250		5.23	0.276	1.47	14.21	76.7	0.77
1420			250		5.62	0.269	5.07	14.62	71.6	0.75
1425			250		5.74	0.263	5.00	14.64	71.5	3.25
1430			250		5.61	0.258	3.50	14.51	64.0	2.36
1435			250		5.56	0.255	3.09	14.58	75.2	0.80
1440			250		5.56	0.255	3.04	14.60	74.0	5.00
1450			250		5.56	0.254	3.01	14.63	75.6	3.48
1500			250		5.56	0.255	2.97	14.62	76.2	2.03
1505	13.0L		250		5.56	0.254	2.99	14.60	76.1	1.0
1510	Sample collected									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface



**CAI**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

Transducer → 60" Dg  
 Temp → 10.1°C

DATE: 5/21/08

WELL #: MPW05-B

SAMPLERS: J.R./S.O.

DEPTH OF PUMP INTAKE: 230 ft TIC or BGS (circle one)

WEATHER CONDITIONS: Partly Cloudy 55°F

SCREENED/OPEN BOREHOLE INTERVAL: 225-235 ft TIC or BGS (circle one)

SAMPLE ID: MPW05-PD-D-R2 SAMPLE TIME: 15:15

SAMPLE FLOW RATE: 250 ml/minute

CLP ID: B4x30

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 602 / Horiba U-22 (circle one)  
 Other (specify) \_\_\_\_\_

Instrument:  
Camtech 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: mL	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
14:20			250 mL		4.36	0.006	1.57	14.08	94.0	0.17
14:25			250 mL		4.35	0.006	1.57	14.08	94.0	2.91
14:30			250 mL		4.35	0.208	1.54	15.86	97.2	2.8
14:35			250 mL		4.88	0.207	1.62	15.92	100.6	3.4
14:40			250 mL		4.78	0.246	1.72	16.00	97.3	3.6
14:45			250 mL		4.68	0.212	1.38	15.90	87.7	1.3
14:50			250 mL		4.68	0.213	1.55	15.33	102.1	1.1
14:55			250 mL		4.67	0.213	1.57	15.38	108.8	1.1
15:00			250 mL		4.67	0.213	1.56	15.28	112.6	1.0
15:05			250 mL		4.66	0.214	1.60	15.10	115.1	2.6
15:10			250 mL		4.66	0.236	1.58	15.15	118.1	2.5

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

\* 15:15 → Sample Collected Time

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top Casing

BGS = Below Ground Surface

**CA I**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

*Probe (8499.7)*

*Temp (10.8)*

DATE: *5/22/08*

WELL #: *MPW-06-A*

SAMPLERS: *JL, 50*

DEPTH OF PUMP INTAKE: *70* ft TIC or BGS (circle one)

WEATHER CONDITIONS:

SCREENED/OPEN BOREHOLE INTERVAL: *65-75* ft TIC or BGS (circle one)

SAMPLE ID: *MPW-06-A-A-112* SAMPLE TIME: *9:00*

SAMPLE FLOW RATE: *250* ml/minute

CLP ID: *24X31*

Instrument Type/Model:  
 Complete and/or Circle at right

SI Model # *600* / Horiba U-22 (circle one)  
 Other (specify) *N/A*

Instrument:  
*LaMotte 2020*

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	<u>µS/cm, mS/cm</u> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<i>8:25</i>			<i>250</i>		<i>6.40</i>	<i>0.347</i>	<i>0.68</i>	<i>11.21</i>	<i>152.9</i>	<i>9.2</i>
<i>8:30</i>			<i>250</i>		<i>9.02</i>	<i>0.352</i>	<i>0.15</i>	<i>11.06</i>	<i>103.3</i>	<i>9.7</i>
<i>8:35</i>			<i>250</i>		<i>9.36</i>	<i>0.360</i>	<i>0.11</i>	<i>11.31</i>	<i>99.5</i>	<i>8.4</i>
<i>8:40</i>			<i>250</i>		<i>9.84</i>	<i>0.369</i>	<i>0.10</i>	<i>11.37</i>	<i>96.8</i>	<i>7.3</i>
<i>8:45</i>			<i>250</i>		<i>10.00</i>	<i>0.370</i>	<i>0.11</i>	<i>11.42</i>	<i>96.1</i>	<i>6.9</i>
<i>8:50</i>			<i>250</i>		<i>10.07</i>	<i>0.372</i>	<i>0.11</i>	<i>11.88</i>	<i>96.1</i>	<i>6.3</i>
<i>8:55</i>	<i>8.8L</i>		<i>250</i>		<i>10.06</i>	<i>0.374</i>	<i>0.11</i>	<i>11.80</i>	<i>96.0</i>	<i>6.0</i>
<i>9:00</i>	<i>Sample collected.</i>									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

temp → 10.3°C

DATE: 5/22/08

WELL #: MPW06-B

SAMPLERS: J.R. / S.O.

DEPTH OF PUMP INTAKE: 95 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Cloudy 50°F

SCREENED/OPEN BOREHOLE INTERVAL: 90-100 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW06-PD-B-R2

SAMPLE TIME: 9:10

SAMPLE FLOW RATE: 250 ml/minute

CLP ID: B4X32

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 60010-8m Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LaMotte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, <u>mS/cm</u> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
08:25			250 mL		6.51	0.274	5.63	13.27	219.8	0.70
08:30			250 mL		<del>7.99</del> 6.51	<del>0.117</del> 0.274	<del>0.75</del> 5.63	11.39	90.8	0.35
08:35			250 mL		4.95	0.117	0.21	11.39	88.6	0.15
08:40			250 mL		4.95	0.117	0.18	11.62	86.7	0.25
08:45			250 mL		4.95	0.117	0.23	11.69	85.1	0.30
08:50			250 mL		4.99	0.117	0.15	11.45	84.2	0.25
08:55			250 mL		4.95	0.118	0.16	11.43	84.1	0.10
09:00			250 mL		4.97	0.118	0.10	11.52	84.3	0.15
09:05	11.3 L		250 mL		4.97	0.121	0.06	11.46	80.5	0.20
09:10	→ Sample Collection									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial; ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing      BGS = Below Ground Surface

**LAI**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

*Turned in - 6/26/88*  
*Temp - 9.9°C*

DATE: 5/22/08

WELL #: MPW06-C

SAMPLERS: J.R. / S.R.

DEPTH OF PUMP INTAKE: 120 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Cloudy 50°F

SCREENED/OPEN BOREHOLE INTERVAL: 115 - 125 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW06-RD-C-R2 SAMPLE TIME: 10<sup>20</sup>

SAMPLE FLOW RATE: 250 ml/minute

CLP ID: B4 X 33

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 650 XCM Horiba U-22 (circle one)  
 Other (Specify) \_\_\_\_\_

Instrument:  
Cambridge 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
0925			250 ml		7.71	0.179	1.01	11.27	25.0	2.6
0930			250 ml		7.54	0.180	1.04	11.20	27.9	1.1
0935			250 ml		7.22	0.179	1.05	10.92	38.0	0.35
0940			250 ml		7.07	0.178	1.06	10.87	44.7	0.30
0945			250 ml		6.78	0.175	1.11	10.87	51.8	0.75
0950			250 ml		6.43	0.170	1.21	10.84	62.6	4.7
0955			250 ml		6.32	0.169	1.24	10.85	66.9	6.0
10:00			250 ml		6.19	0.169	1.25	10.83	72.8	5.0 6.4
10:05			250 ml		6.10	0.168	1.29	10.84	78.0	8.8
10:10			250 ml		6.03	0.167	1.28	10.86	82.9	9.0
10:15	13.8L		250 ml		6.01	0.168	1.29	10.87	82.3	9.1

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

10:20 → Sample Collected

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

CAI

# OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

Transducer → 6708  
Temp. → 9.9°C 9.7

DATE: 5/22/08

WELL #: HAW-6-(04) (D)

SAMPLERS: J2, 0550

DEPTH OF PUMP INTAKE: 165 ft TIC or (ft BGS) (circle one)

WEATHER CONDITIONS:

SCREENED/OPEN BOREHOLE INTERVAL: 160-170 ft TIC or (ft BGS) (circle one)

SAMPLE ID: HAW-06-PD-D-122 SAMPLE TIME: 10:00

SAMPLE FLOW RATE: 250 ml/minute

CLP ID:

B4X34

Instrument Type/Model:  
Complete and/or Circle at rightYSI Model # 680 / Horiba U-22 (circle one)  
Other (specify)Instrument:  
(a note  
2020)

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
9:30			250		5.50	0.137	3.10	11.19	62.7	1.1
9:35			250		5.63	0.137	3.14	11.14	63.5	0.80
9:40			250		6.11	0.139	3.20	11.07	57.8	0.82
9:45			250		6.23	0.139	3.49	11.10	51.7	0.85
9:50			250		6.47	0.139	3.44	11.14	46.7	0.90
09:55			250		6.50	0.140	3.62	11.07	38.7	0.65
10:00			250		6.72	0.140	3.67	11.05	39.0	0.70
10:05	10.0L		250		6.75	0.140	3.69	11.03	38.9	0.75
10:10	→ Collected Sample									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - &gt;500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top Casing

BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

DATE: ~~6/2/03~~ 6/2/03

SAMPLERS: JB + FR

WEATHER CONDITIONS: Sunny 60°

SAMPLE ID: MPW-07-P0-B-R2

CLP ID: 64X36

SAMPLE TIME: 1555

WELL #: MPW-07-02-(B)

DEPTH OF PUMP INTAKE: 225 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 220-230 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 135 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 60042-B-M Horiba U-22 (circle one)  
Other (specify)

Instrument:  
Camco 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1450			135		6.23	0.375	4.80	15.28	156.5	1.1
1455					6.08	0.386	6.12	16.28	159.4	1.0
1510					5.84	0.390	6.00	15.80	158.2	0.9
1525					5.80	0.388	5.99	15.70	164.6	1.1
1530					5.83	0.391	5.85	15.78	170.7	0.9
1535					5.81	0.389	6.48	16.38	176.8	1.0
1540					5.82	0.388	6.34	16.05	182.2	1.1
1545					5.86	0.391	6.28	16.54	183.0	0.9
1550	8.8L				5.85	0.389	6.15	16.62	189.4	1.1
1555	Sampled				5.83	0.390	6.20	16.52	192.3	0.9

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000, up to 10,000 in industrial, -55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

DATE: 5/30/88 - 6/3/88

SAMPLERS: TD/SOI

WEATHER CONDITIONS:

SAMPLE ID: MW-07-90-C-12

CLP ID:

B4X37

SAMPLE TIME: 1600

WELL #: MW-07 (Port 2)

DEPTH OF PUMP INTAKE: 255 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 250-260 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 10 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600XL-A-M / Horiba U-22 (circle one)  
Other (specify)

Instrument:  
Landolt 7024

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
Begin purging 5/30/88 @ 11:00			Very slow purging	Head			5 gallons on	thru	5/29/88	
1545 gpm	~1.2 gallons									
0830 6/6/88	Begin purging		~10 ml/min	—	7.84	0.387	11.39 (*)	13.12	140.6	1.4
1000			—		6.82	0.411	10.91	12.41	151.2	1.1
1200			—		6.71	0.371	7.12	13.14	171.1	1.7
1400			—		6.91	0.400	5.14	12.22	161.8	1.9
1620			—		6.71	0.387	8.12	12.76	155.2	1.0
1010 6/3	12.9L		—		6.76	0.319	10.17	13.11	167.1	1.5
1600	— sample		—		6.72	0.318	9.52	12.75	170.2	1.1
				1600						

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

TIC = Total Inner Casing BGS = Below Ground Surface

**CAI**  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING-PURGE RECORD**

(8152.0) Progen  
 (11.6) Temp.

DATE: 5/22/08

WELL #: NPW-08A

SAMPLERS: JR, 50

DEPTH OF PUMP INTAKE: 30 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: 50°F Cloudy.

SCREENED/OPEN BOREHOLE INTERVAL: 25-35 ft TIC or ft BGS (circle one)

SAMPLE ID: NPW-08-2D-A-RZ SAMPLE TIME: 1145  
 CLP ID:

SAMPLE FLOW RATE: 250 ml/minute

B4X38

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model# 660 / Horiba U-22 (circle one)  
 Other (specify) none  
 Instrument: La Motte 2000

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>o</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
11:15			250		5.22	0.204	6.05	12.53	104.8	0.40
11:20			250		4.97	0.203	6.39	12.57	124.7	0.20
11:25			250		4.91	0.203	6.59	12.46	140.7	0.15
11:30			250		4.88	0.203	6.76	12.34	157.1	0.10
11:35			250		4.90	0.203	6.84	12.35	162.3	0.05
11:40	7.5L		250		4.90	0.203	6.89	12.39	170.5	0.00
11:45	→ Sample collected		250							

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox-Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

*Handwritten signature and scribbles*



Lawrence Aviation Industries Site  
Development Record

DATE: 5/22/08

SAMPLERS: J.R./S.D.

WEATHER CONDITIONS: Cloudy / 50°F

SAMPLE ID: MPW08-PD-B-R2  
CLP ID: B4X39

WELL #: MPW08-B

DEPTH OF PUMP INTAKE: 50

ft TIC or BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 45-55

ft TIC or BGS (circle one)

SAMPLE FLOW RATE: 250

ml/minute

Instrument Type/Model:

Complete and/or Circle at right

YSI Model # 600 / Honda U-22  
Other (specify)

(circle one)

Instrument: 8030

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY	24-Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one)	Units: mL	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mv	NTUs
11:25			250		5.45	0.008	0.60	12.86	118.1	0.70											
11:30			250		5.41	0.008	0.59	12.16	120.1	0.30											
11:35			250		5.35	0.007	0.60	10.16	125.0	0.05											
11:40			250		5.31	0.007	0.63	10.09	132.4	0.20											
11:45			250		5.30	0.007	0.62	10.05	130.9	0.05											
11:50			250		5.28	0.007	0.62	11.99	142.5	0.05											
11:55			250		5.28	0.007	0.62	11.96	140.3	0.05											
12:00			250		5.29	0.007	0.63	11.97	140.7	0.05											
12:00			250																		
12:00			250																		

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L  
Redox Potential = -100 - +600 mV  
Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, -55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top  
er Casing  
BGS = Below Ground Surface

Lawrence Av. Industries Site  
Development Record

temp. → 1°C

DATE: 5/22/08

WELL #: HPW-08C

SAMPLERS: JR, 50

DEPTH OF PUMP INTAKE: 80 ft TIC or BGS (circle one)

WEATHER CONDITIONS: 50°F Sunny.

SCREENED/OPEN BOREHOLE INTERVAL: 75-85 ft TIC or BGS (circle one)

SAMPLE ID: HPW-08-PDC-TR2 SAMPLE TIME: 1300

SAMPLE FLOW RATE: 250 ml/minute

CLP ID: B4 X40

Instrument Type/Model:

Complete and/or Circle at right

VSI Model # 600 #55 Horiba U-22 (circle one)

Other (specify)

Instrument: Camtech 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	<u>S/cm, mS/cm</u> or <u>µS/cm</u> (circle one)	mg/L (not %)	Units: °C	mV	NTUs
12:15			250		5.29	0.179	0.40	12.30	142.7	0.05
12:20			250		5.68	0.180	0.43	11.82	141.8	0.12
12:25			250		5.74	0.180	0.42	11.54	144.4	0.15
12:30			250		5.78	0.180	0.41	11.40	145.7	0.20
12:35			250		5.78	0.180	0.41	11.38	146.0	0.00
12:40			250		5.79	0.180	0.42	11.22	146.5	0.00
12:45			250		5.80	0.180	0.41	11.24	146.8	0.00
12:50			250		5.80	0.180	0.40	11.22	146.6	0.00
12:55			250		5.81	0.180	0.40	11.22	146.1	0.00
13:00	Sample collected									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

Temp = 10.9°C

DATE: 5/22/08

WELL #: MPW06-D

SAMPLERS: J.R. & S.R.

DEPTH OF PUMP INTAKE: 160 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Cloudy / 50°F

SCREENED/OPEN BOREHOLE INTERVAL: 95-105 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW06-PD-D-RD

SAMPLE TIME: 13:05

SAMPLE FLOW RATE: 250 ml/minute

CLP ID: B4x41

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600X/4-BM Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Capnograph  
2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
12:20			250		5.11	0.160	3.21	11.78	142.1	0.20
12:25			250		5.22	0.161	3.89	11.74	141.2	0.10
12:30			250		5.64	0.161	5.87	11.74	144.4	0.00
12:35			250		5.65	0.161	5.78	11.49	150.1	0.15
12:40			250		5.70	0.161	5.85	11.46	150.1	0.00
12:45			250		5.74	0.161	6.61	11.43	152	0.05
12:50			250		5.74	0.161	6.51	11.51	153.7	0.00
12:55			250		5.77	0.161	6.57	11.57	153.1	0.05
13:00	11.3L		250		5.79	0.161	6.62	11.64	153.0	0.00
13:05	→ Sample Collected									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

TIC = Top of Casing BGS = Below Ground Surface

Lawrence Avia Industries Site  
Development Record

1. Conductance 51564 L  
Temp → 10.1°C

DATE: 5/22/08

WELL #: KPW-08 E

SAMPLERS: J250

DEPTH OF PUMP INTAKE: 120 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: 50°F, Light rain.

SCREENED/OPEN BOREHOLE INTERVAL: 115-125 ft TIC or ft BGS (circle one)

SAMPLE ID: KPW-08-70-E-22 SAMPLE TIME: 1340

SAMPLE FLOW RATE: 250 ml/minute

CLP ID: B4X42

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 / Horiba U-22 (circle one)  
Other (specify) N/A

Instrument:  
Camo 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
13:00			250		6.18	0.111	0.18	11.20	99.9	0.35
13:05			250		6.31	0.111	0.16	11.25	98.9	0.05
13:10			250		6.50	0.111	0.17	11.29	98.5	0.00
13:15			250		6.53	0.111	0.15	11.30	98.9	0.00
13:20			250		6.64	0.111	0.15	11.48	99.1	0.00
13:25			250		6.69	0.111	0.14	11.56	99.7	0.00
13:30			250		6.69	0.111	0.15	11.58	99.9	0.00
13:35	10.0L		250		6.70	0.111	0.14	11.60	100.0	0.05
13:40	Sample collected.									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

WELL #: MPW-09-02 (A)

DEPTH OF PUMP INTAKE: 15 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 10-20 ft TIC or ft BGS (circle one)

SAMPLE TIME: 1130

SAMPLE FLOW RATE: 200 ml/minute

WEATHER CONDITIONS: Sunny ~60°

SAMPLERS: R2 + S5

DATE: 5/28/08

Instrument Type/Model:

Complete and/or Circle at right

SI Model # 600 X-22 Horiba U-22 (circle one)

Other (specify)

Instrument mark 2030

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
gallons /	ft TIC / ft BGS	Units:	ft TIC / ft BGS	SU	S/cm, ms/cm <sup>2</sup> or	mg/L	Units:	°C	mv	NTUs
liters (circle one)	(circle one)	Units:	(circle one)	(circle one)	µS/cm (circle one)	(not %)				
1140		Also		4.98	0.222	7.31	12.31	81.1	0.45	
1115				4.93	0.223	6.85	12.18	206.9	0.35	
1125				4.98	0.223	7.00	12.13	212.6	0.10	
1130	4.0L			5.06	0.223	6.97	12.14	212.9	0.20	
1130	Sampled									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

BGS = Below Ground Surface

TIC = Top

ier Casing

Lawrence Av Industries Site  
Development Record

Temp. 12.0°C

DATE: 5/28/08

WELL #: MPW-09-02

SAMPLERS: KR + S O

DEPTH OF PUMP INTAKE: 50 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny 60°F

SCREENED/OPEN BOREHOLE INTERVAL: 45-55 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-09-PD-B-R2

SAMPLE TIME: 1055

SAMPLE FLOW RATE: 300 ml/minute

CLP ID:

B4X44

Instrument Type/Model:

Complete and/or Circle at right

YSI Model 600 XE / Horiba U-22 (circle one)  
Other (specify)

Instrument: Camtech 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1035			300		5.28	0.282	7.61	11.59	148.4	0.15
1040					5.25	0.281	8.48	11.65	152.0	0.40
1045					5.25	0.282	8.81	11.51	154.4	0.05
1050	6.0L				5.23	0.282	9.01	11.69	157.8	0.10
1055 -	Sampled									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface



Lawrence Aviation Industries Site  
Development Record

Temp. → 10.1 °C

DATE: 5/28/08

WELL #: MPW-09-04

SAMPLERS: KR+50

DEPTH OF PUMP INTAKE: 95 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny 26.5°

SCREENED/OPEN BOREHOLE INTERVAL: 90-100 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-09-PD-D-22 SAMPLE TIME: 1245

SAMPLE FLOW RATE: ml/minute

CLP ID: B4X46

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 650 XLEB-m Horiba U-22 (circle one)  
Other (specify)

Instrument:  
Camm 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1220			160		5.59	0.272	6.22	14.00	266.9	3.3
1225			160		5.38	0.261	6.29	12.73	278.1	1.2
1230			160		5.41	0.261	6.57	12.65	284.3	0.85
1235			160		5.45	0.260	6.65	12.82	288.3	0.65
1240	400		160		5.46	0.261	6.61	12.76	292.0	0.60
1245	Sampled									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface



Lawrence Aviation Industries Site  
Development Record

Temp. → 10.1 °C

DATE: 5/29/08

WELL #: MPW-09-05

SAMPLERS: R2 + S0

DEPTH OF PUMP INTAKE: 130 ft TIC or BGS (circle one)

WEATHER CONDITIONS: Sunny 65°

SCREENED/OPEN BOREHOLE INTERVAL: 125-135 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW-09-PD-E-R2

SAMPLE TIME: 1320

SAMPLE FLOW RATE: 180 ml/minute ~~180~~

CLP ID:

B4X47

Instrument Type/Model:  
Complete and/or Circle at right

SI Model # 650XR-B-m / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LA-M-40 20

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
				(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	L	(± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1300			180		5.62	0.195	3.18	12.79	286.2	0.50
1305			180		5.75	0.195	3.26	12.73	292.9	0.55
1310			180		5.79	0.195	3.17	12.76	296.9	0.50
1315	3.6L		180		5.80	0.195	3.09	12.78	299.7	0.25
1320	Sampled									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top Inner Casing

BGS = Below Ground Surface

Lawrence Avia Industries Site  
Development Record

Temp. → 11.0°C

DATE: 5/28/08

SAMPLERS: S.O. / J.B.

WEATHER CONDITIONS: Sunny / Windy 55°F

SAMPLE ID: MPW10-PD-A-R2

SAMPLE TIME: 1700

CLP ID: B4X48

WELL #: MPW10-01(A)

DEPTH OF PUMP INTAKE: 165 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 160-170 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 190 ml/minute

Instrument Type/Model:

Complete and/or Circle at right

YSI Model # 650X10B-H Horiba U-22 (circle one)  
Other (specify)

Instrument:  
Cammie  
2026

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1610			190		4.98	0.453	0.76	12.61	84.3	0.00
1615			190		4.99	0.453	0.34	12.53	81.7	0.10
1620			190		4.99	0.453	0.28	12.54	81.8	0.00
1625			190		4.99	0.453	0.24	12.58	82.1	0.00
1630			190		4.99	0.453	0.23	12.55	82.7	0.00
1635			190		4.99	0.453	0.23	12.54	83.0	0.00
1640			190		4.98	0.453	0.25	12.58	83.2	0.00
1645			190		4.98	0.453	0.26	12.57	83.5	0.00
1650			190		4.98	0.453	0.26	12.55	83.7	0.00
1655	9.5L		190		4.98	0.453	0.27	12.56	83.7	0.00

1700 → Sample Collected

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

Immerse --  
Temp. → 12.1°C

DATE: 5/28/06

WELL #: MPW10-B

SAMPLERS: S-Q-1/J.B.

DEPTH OF PUMP INTAKE: 190 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny/Windy 50°F

SCREENED/OPEN BOREHOLE INTERVAL: 185-195 ft TIC or ft BGS (circle one)

SAMPLE ID: MPW10-PD-B-R2 SAMPLE TIME: 1700

SAMPLE FLOW RATE: 200 ml/minute

CLP ID:

B4X49

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # ~~600X4 BSM~~ Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_ Instrument: ~~Camco~~ 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1610			200		6.02	0.436	-19.65	13.59	88.2	0.30
1615			200		5.55	0.660	1.49	12.52	79.1	0.40
1620			200		5.54	0.662	1.11	12.50	81.4	0.22
1625			200		5.54	0.664	1.03	12.58	85.3	0.95
1630			200		5.54	0.664	0.59	12.53	87.3	0.15
1635			200		5.53	0.664	0.66	12.54	88.7	0.15
1640			200		5.53	0.663	0.69	12.54	88.9	0.15
1645			200		5.54	0.664	0.68	12.56	88.8	0.10
1650			200		5.54	0.663	0.71	12.54	88.8	0.15
1655	10.0L		200		5.54	0.663	0.70	12.56	88.9	0.10

1700 → Sample Collected

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial, -55,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

Lawrence Av. Industries Site  
Development Record

Temp. → 70°C

DATE: 5/28/08

WELL #: MPW-10-03(C)

SAMPLERS: PL+SO

DEPTH OF PUMP INTAKE: 220 ft TIC or BGS (circle one)

WEATHER CONDITIONS: Sunny 70°

SCREENED/OPEN BOREHOLE INTERVAL: 215-225 ft TIC or BGS (circle one)

SAMPLE ID: MPW-10-PD-B-R2  
CLP ID: 34X50

SAMPLE TIME: 1550

SAMPLE FLOW RATE: 100 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 XL-B-M / Horiba U-22 (circle one)  
Other (Specify)

Instrument:  
Camco 2500

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
				(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	L	(± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1500			120		5.24	0.370	—	12.94	60.5	1.7
1510			120		5.50	0.403	1.46	12.60	69.3	0.15
1520			120		5.52	0.405	1.61	12.80	79.5	0.20
1530			120		5.49	0.403	1.73	12.79	86.0	0.00
1535			120		5.48	0.404	1.74	12.80	88.6	0.00
1540			120		5.48	0.404	1.81	12.82	90.7	0.00
1545	6.0L		120		5.48	0.404	1.86	12.79	91.8	0.00
1550	→ Sample Collected									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

Transducer → 6254.9  
Temp → 11.7°C

DATE: 5/28/08

SAMPLERS: KR + SD

WEATHER CONDITIONS: Sunny ~68°

SAMPLE ID: MW-10 PD-4-R2 SAMPLE TIME: 1550

CLP ID:

B4X51

WELL #: MW-10-04 (D)

DEPTH OF PUMP INTAKE: 240 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 235-245 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 160 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 60042-BM / Horiba U-22 (circle one)  
Other (specify)

Instrument:  
Camm 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
				(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	L	(± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1504			160		5.74	0.393	1.32	12.61	93.0	1.2
1515			160		5.90	0.398	4.24	12.70	98.7	0.30
1525			160		5.93	0.397	4.97	12.71	104.0	0.20
1535			160		5.95	0.396	5.58	12.68	108.7	0.10
1540			160		5.95	0.396	5.62	12.74	109.2	0.05
1545	7.4L		160		5.96	0.396	5.91	12.67	111.6	0.10
1550 →	Sample Collected									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top Inner Casing

BGS = Below Ground Surface

Lawrence Avial Industries Site  
Development Record

DATE: 6/2/08  
SAMPLERS: JB/S.O.  
WEATHER CONDITIONS: 80°F Sunny  
SAMPLE ID: MW-05-90-12  
CLP ID: B4X52

WELL #: MW-05  
DEPTH OF PUMP INTAKE: 187 ft TIC or BGS (circle one)  
SCREENED/OPEN BOREHOLE INTERVAL: 180-195 ft TIC or BGS (circle one)  
SAMPLE FLOW RATE: 200 mL ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 650 / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_ Instrument: 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: mL/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>o</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
Initial	1350 start	185.60								
	1355	185.63	~200 mL		6.42	0.228	12.72	14.29	102.6	12
	1405	185.61	200 mL	.02	5.05	0.225	13.62	13.29	134.2	10.4
	1410	185.61	200 mL	.02	4.97	0.219	13.91	13.33	149.6	9.4
	1415	185.61	200	.02	4.95	0.218	13.96	13.41	154.3	9.0
	1420	185.62	200	.01	4.96	0.217	13.44	14.14	155.2	13
	1425	185.62	200	.01	5.07	0.218	12.99	15.57	158.2	10
	1430	185.62	200	.01	5.21	0.218	12.60	19.53	166.1	11
	1435	185.62	200	.01	5.19	0.217	12.61	17.50	168.1	10
	1440	185.62	200	.01	5.18	0.218	12.64	17.54	169.5	9.5

1945 → Sample Collected  
Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**Lawrence Aviation Industries Site  
Development Record**

DATE: 6/3/0

SAMPLERS: S.O. / J.B.

WEATHER CONDITIONS: 85°F Sunny

SAMPLE ID: FG-01-M-R2

CLP ID: B4853

DTW  
166.30

SAMPLE TIME: 1440

WELL #: FG-01

DEPTH OF PUMP INTAKE: 195 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 190-250 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 300 mL/min ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # COOL-2A / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Laurel 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft <u>TIC</u> / ft BGS (circle one)	Units: mL/min	ft <u>TIC</u> / ft BGS (circle one)	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
Instal.	start time - 13:45	166.30	300	0	4.32	0.194	11.71	13.79	78.9	23 S.C.
13:50		166.30	300	0	4.32	0.194	11.71	13.79	78.9	23
14:00		166.30	300	0	3.56	0.189	11.69	15.73	168.9	14
14:05		166.30	300	0	3.67	0.192	11.75	16.22	231.8	13
14:10		166.30	300	0	3.70	0.193	11.70	16.50	291.2	12
14:15		166.30	300	0	3.74	0.193	11.40	17.28	288.1	11
14:20		166.30	300	0	3.61	0.193	12.10	16.51	289.0	11
14:25		166.30	300	0	3.46	0.194	12.80	15.72	290.1	13
14:30		166.30	300	0	3.52	0.194	12.13	19.31	291.2	11
14:35	15.0L	166.30	300	0	3.54	0.195	12.05	19.31	292.3	11

14:40 → Sample collected  
Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = T      Inner Casing      BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

DATE: 6/2/08

WELL #: MW-PD-11

SAMPLERS: JB 50.

DEPTH OF PUMP INTAKE: ~200 ft TIC or BGS (circle one)

WEATHER CONDITIONS: 86°F Sunny

SCREENED/OPEN BOREHOLE INTERVAL: 195-205 ft TIC or BGS (circle one)

SAMPLE ID: MW-PD-11-PD-27

SAMPLE TIME: 12:00

SAMPLE FLOW RATE: 225 ml/minute

CLP ID: B4854

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600-XL-8-A / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Landolt 2000

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
Initial	start 11:10	134.03	225	—				Start		
11:15	11:15	134.29	225	0.26	5.30	0.572	1.28	14.03	103.6	16
11:25		134.29	225	0.26	5.90	0.567	0.74	13.83	116.7	16
11:30		134.29	225	0.26	5.90	0.564	0.68	14.04	119.7	22
11:35		134.28	225	0.25	5.91	0.565	0.70	14.52	123.0	33
11:40		134.28	225	0.25	5.89	0.584	0.73	14.58	126.3	65
11:45		134.25	225	0.22	5.63	0.540	0.75	14.45	127.1	50
11:50		134.25	225	0.22	5.77	0.543	0.74	14.41	128.2	49
11:55	10.13L	134.25	225	0.22	5.76	0.542	0.73	14.42	128.5	50
12:00	Sample collected									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface



Lawrence Aviation Industries Site  
Development Record

DATE: 6/2/08

WELL #: MW-PD-12

SAMPLERS: TB/S.O.I

DEPTH OF PUMP INTAKE: 155 ft TIC or (circle one) ft BGS

WEATHER CONDITIONS: 80°F

SCREENED/OPEN BOREHOLE INTERVAL: 150-160 ft TIC or (circle one) ft BGS

SAMPLE ID: MW-PD-12-PD-R2

SAMPLE TIME: 1030

SAMPLE FLOW RATE: ~250 ml/minute

CLP ID: BAX55

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model# 600XL-B-M / Horiba U-22 (circle one)  
Other (specify)

Instrument:  
Landtek 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
Initial 9:35	start 9:35	112.69	~280	—	6.64	0.345	3.62	12.53	213.3	110
0945	—	112.78	~280	0.09	5.67	0.341	1.73	13.08	200.2	290
0955	—	112.78	~300	0.09	5.60	0.344	1.21	14.28	191.5	180
1000	—	112.78	300	0.09	5.54	0.344	1.18	14.24	190.0	120
1005	—	112.78	—	0.09	5.51	0.343	1.27	14.07	189.6	80
1010	—	112.78	—	0.09	5.49	0.341	1.30	14.14	189.0	70
1015	—	112.78	—	0.09	5.47	0.341	1.30	14.16	188.5	55
1020	—	112.78	—	—	5.47	0.341	1.34	14.09	188.4	55
1025	—	112.78	—	—	5.47	0.341	1.35	13.96	188.4	40
1030	~ 4.5 gals	—	~300	0.09	5.45	0.339	1.34	13.95	188.3	45

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Ti inner Casing BGS = Below Ground Surface

# Lawrence A. Wilson Industries Site Development Record

**DATE:** 6/3/08

WELL #: ~~100~~ NW-PO-13

**SAMPLERS:** S.O. / J.B.

DEPTH OF PUMP INTAKE: 20 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny Hot 70°F

SCREENED/OPEN BOREHOLE INTERVAL: 75-185 ft TIC or ft BGS (circle one)

SAMPLE ID: MW-13-10-12

SAMPLE TIME: 6930

SAMPLE FLOW RATE: 250 ml/minute

CLP ID: B4x56

**Instrument Type/Model:**  
**Complete and/or Circle at right**

YSI Model # 600-MS / Florida U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument: 6-20-20

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>o</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
Inst'l 0846		148.95								
start 0848		148.97	250	0.02	6.44	0.477	13.52	12.45	182.5	250
0855		148.97	250	0.02	5.84	0.478	13.45	12.54	211.5	270
0900		148.97	250	--	5.84	0.474	13.18	12.73	219.7	250
0905		148.97	250	--	5.88	0.466	13.30	13.00	222.8	190
0910		148.97	--	--	5.94	0.459	10.63	13.76	223.9	150
0915		148.97	250	--	5.98	0.449	10.48	14.09	228.5	120
0920		148.97	250	--	5.97	0.440	10.40	14.22	229.4	90
0925	11.0L	148.97	250	--	6.00	0.438	9.97	14.37	232.7	45
0930	~5 gals	148.97	250	--	5.98	0.434	9.98	14.01	230.1	45

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

**Redox Potential = -100 - +600 mV**

**Turbidity = 0 - >500 NTUs**

**Spec. Conductivity ( $\mu\text{S/cm}$ ) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000  $\mu\text{S/cm}$  = 1  $\text{mS/cm}$**

**TIC = Top of Inner Casing**

**BGS = Below Ground Surface**

**Lawrence Aviation Industries Site  
Development Record**

DATE: 6/3/08

WELL #: MW-10-14-20-R2

SAMPLERS: TH/S.O.

DEPTH OF PUMP INTAKE: 215 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: 80°F S-mx

SCREENED/OPEN BOREHOLE INTERVAL: 239-219 ft TIC or ft BGS (circle one)

SAMPLE ID: MW-10-14-20-R2

SAMPLE TIME: 11:00

SAMPLE FLOW RATE: ml/minute

CLP ID: B4X57

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600XL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Lantz 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
Total 10:15	state 10:20	152.00	250		6.38	0.417	1.77	12.40	197.9	360
10:25	10:27	153.90	250		6.30	0.417	2.08	12.88	194.0	320
10:30					6.23	0.418	2.45	13.18	184.8	270
10:35					6.18	0.417	2.36	13.26	179.5	230
10:40					6.16	0.417	2.36	13.32	175.7	220
10:45					6.11	0.417	2.35	13.12	174.6	160
10:50					6.08	0.414	2.78	12.79	175	45
10:55	13.75 L	153.90	250		6.06	0.416	2.81	12.65	175.0	50
11:00	2 - 1 gallon	153.90	1		6.07	0.413	2.26	12.70	175.0	40
	Sample Collected									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = T Inner Casing

BGS = Below Ground Surface

Lawrence Avia Industries Site  
Development Record

DATE: 6/3/08

SAMPLERS: J.B. / S.O.

WEATHER CONDITIONS: Overcast 60°F

SAMPLE ID: MW-PD-15-PD-R2

SAMPLE TIME: 1245

CLP ID: B4X58

also see report MW-PD-54-PD-R2-B4X63

Instrument Type/Model:

Complete and/or Circle at right

WELL #: MW-PD-15

DEPTH OF PUMP INTAKE: 209 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 201-214 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 250 ml/minute

YSI Model # 600 XL-B-M / Horiba U-22 (circle one)  
Other (specify)

Instrument: *Smith 2020*

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1155 start	initial	78.52			<del>5.88</del>	<del>0.372</del>	<del>11.09</del>	<del>13.41</del>	<del>82.7</del>	<i>(JD 6/3/08)</i>
1200		78.76	380		5.88	0.372	11.09	13.41	82.7	6.0
1210		78.70	—		6.14	0.409	6.41	12.58	111.3	29
1215		78.65	—		6.18	0.411	6.24	12.73	117.8	22
1220		—	—		6.18	0.414	6.26	13.02	126.6	19
1225		—	—		6.07	0.414	6.30	13.01	145.2	13
1230		78.61	—		6.13	0.415	6.36	13.19	135.2	11
1235		78.60	—		5.97	0.413	6.63	13.45	153.5	10
1240	<i>12.10L</i>	78.60	—		6.04	0.412	6.41	13.00	151.1	10
	<i>24 gallons</i>		<i>-250</i>	<i>date 1245</i>						

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

**Lawrence Aviation Industries Site  
Development Record**

DATE: 5/29/08

WELL #: MW-PD-16

SAMPLERS: F.R. / S.O.

DEPTH OF PUMP INTAKE: 195 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny / Clear / 65°F

SCREENED/OPEN BOREHOLE INTERVAL: 190-200 ft TIC or ft BGS (circle one)

SAMPLE ID: MW-PD-16-PD-R2 SAMPLE TIME: 1450  
CLP ID:

SAMPLE FLOW RATE: 250 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 650 mds / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Lamotte

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1245		65.21	300	—	5.57	0.591	2.01	12.93	67.7	380
1255		65.24	300	0.03	5.01	0.616	0.94	12.75	75.3	700
1305		65.24	300	0.03	4.90	0.636	1.03	12.43	91.8	900
1315		65.24	300	0.03	4.70	0.630	1.05	12.38	109.8	250
1325		65.24	300	0.03	4.62	0.658	1.03	12.16	129.7	200
1335		65.24	300	0.03	4.82	0.669	1.06	12.23	149.2	150
1345		65.24	300	0.03	4.89	0.675	1.11	12.30	161.9	120
1355		65.24	300	0.03	4.89	0.680	1.16	12.37	172.1	100
1405		65.24	300	0.03	4.78	0.682	1.19	12.34	184.2	95
1415		65.24	300	0.03	4.65	0.685	1.23	12.41	199.5	70

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing BGS = Below Ground Surface

Lawrence A. On Industries Site  
Development Record

Sheet 21 of 22

DATE: 5/29/68

WELL #: MW-PD-16

SAMPLERS: FR/50

DEPTH OF PUMP INTAKE: 195 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny ~70°

SCREENED/OPEN BOREHOLE INTERVAL: 190-200 ft TIC or ft BGS (circle one)

SAMPLE ID: MW-PD-16-PD-R2

SAMPLE TIME: 1450

SAMPLE FLOW RATE: 250 ml/minute

CLP ID: 34X59

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 605X6B-M / Horiba U-22 (circle one)  
Other (specify)

Instrument:  
Lamotte 27

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons/ liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1425		65.24	300	0.03	4.80	0.684	1.29	12.35	209.5	50
1430		65.24	300	0.03	4.89	0.684	1.32	12.40	211.1	50
1435		65.24	300	0.03	4.95	0.684	1.34	12.38	211.4	45
1440	37.50L	65.24	300	0.03	4.97	0.685	1.37	12.41	212.0	34
1445	15 Gallons	65.24	300	0.03	4.99	0.686	1.39	12.44	212.2	36
1450	Sample Collected									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

DATE: 5/29/08

SAMPLERS: S.Q./F.R.

WEATHER CONDITIONS: Sunny 55°F

SAMPLE ID: MW-PD-17-PD-R2

CLP ID: 34X60

SAMPLE TIME: 1040

WELL #: ~~MW-17~~ MW-17

DEPTH OF PUMP INTAKE: 85 ft (TIC or ft BGS (circle one))

SCREENED/OPEN BOREHOLE INTERVAL: 80-10 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 200 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # ~~650 XL-3-M~~ / Horiba U-22 (circle one)  
Other (Specify)

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER ft.	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
0925		4.75	300	—	6.86	0.263	5.64	12.91	131.2	>1000
0935		4.82	300	0.07	6.89	0.262	7.85	12.18	130.8	>1000
0945		4.84	300	0.09	6.91	0.265	7.85	12.64	130.4	700
0955		4.85	300	0.10	6.88	0.262	8.18	12.54	133.8	330
1005		4.85	300	0.10	6.85	0.261	8.36	12.56	136.2	170
1015		4.85	300	0.10	6.83	0.260	8.44	12.64	139.1	75
1020		4.85	300	0.10	6.82	0.258	8.21	12.93	140.9	50
1025		4.85	300	0.10	6.82	0.256	8.60	12.69	142.8	40
1030	2250L	4.85	300	0.10	6.80	0.256	8.56	12.77	144.1	30
1035	136L	4.85	300	0.10	6.80	0.256	8.52	12.75	145.5	33

1040 → Sample Collected

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

Inner Casing

BGS = Below Ground Surface.

**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: 1-2-08

SAMPLERS: JR, FR

WEATHER CONDITIONS: 2015 cold

SAMPLE ID: SBD PD-16-GW-A

CLP ID: B4K07

SAMPLE TIME: 1520

WELL #: 16

DEPTH OF PUMP INTAKE: 203 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 201-206 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 350 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right:

YSI Model # 600X-B-M / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument: La mofe 202

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1430	Start pump					mS/cm				
1445			500		6.05	0.430	7.33	19.01	174.0	450
1455			500		5.95	0.420	8.26	18.60	181.0	180
1500			500		5.92	0.426	8.53	19.15	183.2	150
1505			500		5.88	0.423	8.66	18.83	188.2	95
1510			500		5.84	0.420	8.92	18.86	191.7	65
1515			500		5.80	0.418	9.02	18.51	196.4	50
1520	Sample time									
	~40 Ltrs									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface



LAI  
OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 1-3-08

SAMPLERS: JR, FR

WEATHER CONDITIONS: 10-20°F

SAMPLE ID: 500-PD-16-GW-B SAMPLE TIME: 1225

CLP ID: B4K08

WELL #: Groundwater Screening 16-GW-B

DEPTH OF PUMP INTAKE: 215 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 212-217 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: ~~250~~ 500 ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 650X-B7 Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
Amor 2000

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	<u>S/cm</u> , mS/cm <sup>o</sup> / or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1135	start purge					mS/cm				
1155			800		5.87	0.379	5.97	14.56	180.6	650
1205			700		5.83	0.377	7.24	15.27	194.6	262
1210			700		5.78	0.372	7.54	15.22	200.8	181
1215	BSL		700		5.74	0.370	8.00	15.09	209.6	116
1220	5 gallons total		700		5.70	0.362	8.23	14.90	213.3	75.9

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

TIC = Top of Casing BGS = Below Ground Surface

*LAF*  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: *JANUARY 8, 2008*

SAMPLERS: *MOE & JOB*

WEATHER CONDITIONS: *SUNNY & WINDY*

SAMPLE ID: *SBD-PD-17-GW-A*

CLP ID: *B4K10*

SAMPLE TIME: *15:45*

WELL #: *SBD-PD-17* *ZONE A*

DEPTH OF PUMP INTAKE: *145'* ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: *192'-197'* ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: *500* ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # *1600* / Horiba U-22 (circle one)  
Other (specify):

Instrument:  
*CA100E 2020*

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<i>14:40</i>	<i>Began Purging</i>	<i>190.77'</i>								
<i>15:00</i>					<i>5.81</i>	<i>0.317</i>	<i>5.70</i>	<i>19.78</i>	<i>161.9</i>	<i>336</i>
<i>15:05</i>	<i>Purge Rate Decreased to 250 ml/min.</i>									
<i>15:10</i>					<i>5.61</i>	<i>0.296</i>	<i>5.74</i>	<i>16.67</i>	<i>175.1</i>	<i>200</i>
<i>15:15</i>					<i>5.61</i>	<i>0.277</i>	<i>5.98</i>	<i>14.60</i>	<i>190.3</i>	<i>189</i>
<i>15:20</i>					<i>5.50</i>	<i>0.292</i>	<i>4.70</i>	<i>15.23</i>	<i>181.2</i>	<i>280</i>
<i>15:25</i>					<i>5.89</i>	<i>0.293</i>	<i>4.83</i>	<i>15.37</i>	<i>186.4</i>	<i>144</i>
<i>15:30</i>					<i>5.85</i>	<i>0.296</i>	<i>5.03</i>	<i>16.57</i>	<i>199.4</i>	<i>123</i>
<i>15:35</i>					<i>5.86</i>	<i>0.302</i>	<i>5.05</i>	<i>17.19</i>	<i>209.1</i>	<i>104</i>
<i>15:40</i>	<i>~15 liters</i>				<i>5.84</i>	<i>0.297</i>	<i>5.39</i>	<i>17.25</i>	<i>219.8</i>	<i>50</i>
<i>15:45</i>					<i>5.82</i>	<i>0.296</i>	<i>5.40</i>	<i>17.39</i>	<i>225.7</i>	<i>49</i>

drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

IC = Top of Inner Casing

BGS = Below Ground Surface

LAI

OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: JANUARY 9, 2008

SAMPLERS: MOE &amp; JB

WEATHER CONDITIONS: OVERCAST, BUSTLE &amp; RAIN

SAMPLE ID: SBO-P-17-GW-B SAMPLE TIME: 12:15

CLP ID: B41K09

WELL #: SBO-P-17 Zone B

DEPTH OF PUMP INTAKE: 205 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 202-207' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 500 ml/minute

Instrument Type/Model:  
Complete and/or Circle at rightVSI Model # 600 AMT / Horiba U-22 (circle one)  
Other (specify)Instrument:  
LAMOTTE 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
10:54	BEGW PURGE	NA	500							
11:25					5.73	0.259	6.72	18.39	129.8	534
11:30					5.68	0.254	7.34	18.30	145.2	341
11:35					5.66	0.251	7.53	18.33	152.8	230
11:40					5.63	0.246	7.65	18.04	162.3	184
11:50					5.61	0.245	7.63	18.21	177.8	123
12:00					5.59	0.245	7.55	18.46	192.6	73
12:05					5.59	0.245	7.44	18.39	201.3	59.7
12:10					5.58	0.244	7.47	18.37	203.2	49.5
12:15	~40 Ltrs				5.59	0.245	7.40	18.44	207.7	55.9

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - &gt;500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

IC = Top of Inner Casing

BGS = Below Ground Surface

LAI

~~OLD ROOSEVELT FIELD~~ GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: DECEMBER 19, 2007

SAMPLERS: JR &amp; MTE

WEATHER CONDITIONS: OVERCAST &amp; COLD

SAMPLE ID: SBD-PJ-18-AW-A SAMPLE TIME: 15<sup>45</sup>

CLP ID:

WELL #: SBD-PJ-18 ZONE A

DEPTH OF PUMP INTAKE: ~198 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 192-197' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 350 ml/minute

600 XL-B sm

Instrument Type/Model:  
Complete and/or Circle at rightYSI Model # 600 XL-B sm / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:

LAI NOTE 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: ml/min.	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
15 <sup>00</sup>	BEGW Purge		350							
15 <sup>10</sup>		191.40								
15 <sup>20</sup>					6.13	0.420	4.3	18.42	198.6	210
15 <sup>25</sup>					6.12	0.420	4.52	18.76	199.6	140
15 <sup>30</sup>					6.11	0.412	4.68	18.38	204.1	80
15 <sup>35</sup>					6.10	0.404	4.64	17.97	207.5	60
15 <sup>40</sup>		191.45								35
15 <sup>45</sup>										19
	2016 liters									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - &gt;500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

IC = Top of Inner Casing

BGS = Below Ground Surface

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PAGE 1 OF 2

**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: DECEMBER 20, 2007SAMPLERS: JR & MSEWEATHER CONDITIONS: OVERCAST & COLDSAMPLE ID: SBD-PD-18-GW-B SAMPLE TIME: 15<sup>10</sup>

CLP ID:

WELL #: SBD-PD-18 Zone BDEPTH OF PUMP INTAKE: 205' ft TIC or ft BGS (circle one)SCREENED/OPEN BOREHOLE INTERVAL: 202'-207' ft TIC or ft BGS (circle one)SAMPLE FLOW RATE: 500 ml/minute600 XL-B-MInstrument Type/Model:  
Complete and/or Circle at rightYSI Model # 650 Plus / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:

LNAOTNE 2022

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>1402</u>		<u>191.25</u>								
<u>1408</u>	<u>REGG PAGE</u>									
<u>1420</u>										
<u>1425</u>					<u>6.31</u>	<u>0.512</u>	<u>3.51</u>	<u>17.72</u>	<u>184.5</u>	<u>700</u>
<u>1430</u>					<u>6.28</u>	<u>0.503</u>	<u>4.12</u>	<u>17.85</u>	<u>184.3</u>	<u>NA</u>
<u>1435</u>					<u>6.22</u>	<u>0.493</u>	<u>4.02</u>	<u>18.04</u>	<u>185.8</u>	<u>330</u>
<u>1440</u>					<u>6.16</u>	<u>0.479</u>	<u>5.11</u>	<u>17.86</u>	<u>187.9</u>	<u>200</u>
<u>1445</u>					<u>6.11</u>	<u>0.469</u>	<u>5.54</u>	<u>17.78</u>	<u>195.7</u>	<u>110</u>
<u>1450</u>					<u>6.05</u>	<u>0.461</u>	<u>5.89</u>	<u>17.84</u>	<u>199.9</u>	<u>80</u>
<u>1455</u>	<u>~26.0163</u>				<u>5.99</u>	<u>0.453</u>	<u>6.22</u>	<u>17.80</u>	<u>206.7</u>	<u>40</u>
					<u>5.95</u>	<u>0.449</u>	<u>6.47</u>	<u>17.69</u>	<u>212.3</u>	<u>32</u>

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - &gt;500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

IC = Top of Inner casing

BGS = Below Ground Surface

LAI

PAGE 2 of 3

~~OLD ROOSEVELT FIELD~~ GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: DECEMBER 20, 2007

WELL #: SBD-PD-18 ZONE B

SAMPLERS:

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS:

SCREENED/OPEN BOREHOLE INTERVAL:

ft TIC or ft BGS  
(circle one)SAMPLE ID: SBD-PD-18-GW-B SAMPLE TIME: 15<sup>10</sup>

SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model:  
Complete and/or Circle at rightYSI Model # \_\_\_\_\_ / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>o</sup> / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1500					5.90	0.448	6.63	18.13	217.4	26
1505					5.85	0.437	6.91	17.59	222.0	22
	~32 hrs									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - &gt;500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial; ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

IC = Top of Inner Casing

BGS = Below Ground Surface

LAI  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: DECEMBER 10, 2007

SAMPLERS: IR & MSE

WEATHER CONDITIONS: OVERCAST, CLOUDY, LT. RAIN

SAMPLE ID: SBD-PD-19-AW-A SAMPLE TIME: 1515  
 CLP ID:

WELL #: SBD-PD-19 ZONE A

DEPTH OF PUMP INTAKE: 205 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 202'-207' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 500 ml/minute

600 XL-B-M

Instrument Type/Model:  
 Complete and/or Circle at right

YSI Model # 650 / 101 / Horiba U-22 (circle one)  
 Other (specify):

Instrument:  
LAMORE 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	µS/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>1100</u>		<u>192.7</u>								
<u>1445</u>	<u>BEGUN PURGE</u>	<u>192.85</u>	<u>500 ml/min</u>							
<u>1500</u>					<u>5.89</u>	<u>0.286</u>	<u>3.79</u>	<u>19.2</u>	<u>70.6</u>	<u>38</u>
<u>1505</u>					<u>5.88</u>	<u>0.283</u>	<u>3.92</u>	<u>19.14</u>	<u>73.6</u>	<u>36</u>
<u>1510</u>					<u>5.80</u>	<u>0.281</u>	<u>3.90</u>	<u>19.22</u>	<u>79.6</u>	<u>38</u>
<u>1515</u>	<u>25 L</u>									<u>① OFF-POST</u> <u>ZONE</u> <u>WILL</u> <u>ALERT</u>

drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
 Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

IC = Top of Inner casing      BGS = Below Ground Surface



# OLD ROOSEVELT FIELD-GROUNDWATER CONTAMINATION SITE LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: DECEMBER 11, 2007

SAMPLERS: JR & MRE

WEATHER CONDITIONS: SUNNY & V. COLD

SAMPLE ID: SBA-P3-19-BW-B  
SAMPLE TIME: 11:55

CLP ID:

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # ~~630145~~ / Honda U-22  
Other (specify)

Instrument:  
LAHOG 2020

WELL #: SBA-P3-19 ZONE B

DEPTH OF PUMP INTAKE: 215 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 212'-217'

ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 500 ml/minute

(circle one)

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
gallons / liters (circle one)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units:	mV	NTUs

946			193.0							
958	Begin Purge			500						
1000					6.04	0.407	6.86	18.5	103.3	>500
1026					5.94	0.383	7.33	17.52	110.4	>500
1038					5.88	0.358	6.33	16.34	125.9	>500
1040	Recharge Flow at 0.64									
1149										
NOTE: 1105	Stopper									
	Flowing to Creek Pump									
					6.02	0.368	4.63	15.2	198.9	85

drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings indicated in parentheses.

Typical values: DO = 0.3 - 10 mg/L  
Redox Potential = -100 - +600 mV  
Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm  
IC = Top of Inner Casing  
BGS = Below Ground Surface



## APPENDIX E

### Well Development Logs

**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

PAGE 106-3

WELL DEVELOPMENT  
DATE: MARCH 3, 2008

WELL #: MW-PD-11 Well DEVELOPMENT

AMPLERS: SB & HSE

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny & Mild

SCREENED/OPEN BOREHOLE INTERVAL: 195-205 ft TIC or ft BGS (circle one)

SAMPLE ID: LP ID: SAMPLE TIME: NA

SAMPLE FLOW RATE: ml/minute

Instrument Type/Model: Complete and/or Circle at right					YSI Model # <u>6004</u> / Horiba U-22 (circle one) Other (specify) _____					Instrument: <u>LW-100</u>
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
4-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or $\mu$ S/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
9:45		133.8								
9:56	BEGW									
10:00		134.75	500ml/40s							
10:05		135.1	INCREASE RATE TO 500ml/15s							
10:05		136.82			6.31	0.387	6.41	15.16	209.2	NA
10:20		136.96								
10:25		137.00								
10:30		137.02	INCREASE RATE TO 500ml/12s		6.53	0.382	4.63	15.22	213.1	NA
10:35		137.5								
10:40		137.66								
10:45		137.71	INCREASE RATE							

drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L      Redox Potential = -100 - +600 mV      Turbidity = 0 - >500 NTUs  
Spec. Conductivity ( $\mu$ S/cm) = 0.01 - 5,000; up to 10,000 in Industrial, ~55,000 in high salt content water. Note: 1,000  $\mu$ S/cm = 1 mS/cm

C = Top of Inner Casing      BGS = Below Ground Surface

Well  
DEVELOPMENT

OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

PAGE 2 OF 3

DATE:

WELL #:

MW-PS-11

Well DEVELOPMENT

AMPLERS:

DEPTH OF PUMP INTAKE:

ft TIC or ft BGS (circle one)

WEATHER CONDITIONS:

SCREENED/OPEN BOREHOLE INTERVAL:

ft TIC or ft BGS  
(circle one)

SAMPLE ID:

SAMPLE TIME:

SAMPLE FLOW RATE:

ml/minute

LP ID:

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # \_\_\_\_\_ / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
4-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
10 <sup>50</sup>		137-61								
10 <sup>55</sup>	PUMP STOPPED									
11 <sup>00</sup>	RESUME Pump @ 2L/min				6.51	0.363	3.97	15.89	211.0	NA
11 <sup>05</sup>		136.65								
11 <sup>10</sup>		136.79								
11 <sup>15</sup>		136.82								
11 <sup>20</sup>		136.84								
11 <sup>25</sup>		136.84								
11 <sup>30</sup>		136.84			6.63	0.357	6.58	16.02	214.9	
11 <sup>35</sup>	STOP Pump	136.29								
11 <sup>40</sup>		136.56								

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial; ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

C = Top of Inner Casing

BGS = Below Ground Surface

Well Development

**LA SUPER SITE**  
WELL DEVELOPMENT RECORD

30+3

DATE: 3/3/08

WELL #: mw-PD-11

SAMPLERS: SBPME

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny + mild

SCREENED/OPEN BOREHOLE INTERVAL: 195-205 ft TIC or ft BGS (circle one)

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 XL / Horiba U-22 (circle one)  
Other (specify)

Instrument:  
Cameffe  
2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units: gpm	ft-TIC / ft bgs (circle one)	SU	μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
13 <sup>10</sup>		135.85	55		6.15	0.387	0	16.12	211.4	309
1345		136.05	↓		6.36	0.359	0	15.59	224.7	300
14 <sup>15</sup>	Switched to larger Pump									
1430		165.40			6.38	0.318	0	13.50	177.6	2999
1440		167.00			6.69	0.311	0	13.12	176.9	546
1455	OFF									
1525	ON									
1530		155.40	↓		6.08	0.319	0	13.60	157	104
1540		164.90			6.28	0.320	0	13.20	158.3	80
1550		165.90			6.17	0.319	0	13.00	158.3	70
16 <sup>00</sup>		165.90			6.15	0.320	0	13.00	159.3	29
16 <sup>10</sup>		166.05	↓		6.20	3.18	0	13.01	157.5	25
1620		166.21	5.59gpm		6.21	3.15	0	12.95	158.8	22

-16<sup>30</sup> OFF Removed @ 700 gallons

TIC = Top of Inner Casing

bgs = below ground surface



Well  
Development  
DATE: MARCH 4, 2008

AMPLERS: 1000 JB

WEATHER CONDITIONS: SUNNY & MILD

SAMPLE ID:  
LP ID:

LHI  
**OLD ROOSEVELT FIELD GROUNDWATER CONTAMINATION SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

WELL #: MW-PO-12

DEPTH OF PUMP INTAKE:

SCREENED/OPEN BOREHOLE INTERVAL: 150-160 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: \_\_\_\_\_ ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 XL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument: LaMotte 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
4-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>1135</u>	<u>BEGN PURGE</u>	<u>113</u>								
<u>1200</u>	<u>5 GAL / 45 sec</u>	<u>118.2</u>	<u>REMANENT STATIC</u>	<u>12<sup>th</sup></u>		<u>WHEN STOPPED</u>	<u>ADJUSTING</u>			
<u>1215</u>					<u>6.01</u>	<u>0.236</u>	<u>12.12</u>	<u>12.43</u>	<u>188.6</u>	<u>NA</u>
<u>1220</u>					<u>5.87</u>	<u>0.235</u>	<u>12.39</u>	<u>12.34</u>	<u>187.1</u>	<u>NA</u>
<u>1225</u>					<u>5.77</u>	<u>0.220</u>	<u>10.38</u>	<u>12.33</u>	<u>186.7</u>	<u>NA</u>
<u>1230</u>					<u>5.88</u>	<u>0.228</u>	<u>7.56</u>	<u>12.36</u>	<u>189.7</u>	<u>108</u>
<u>1235</u>					<u>5.91</u>	<u>0.229</u>	<u>7.58</u>	<u>12.33</u>	<u>188.7</u>	<u>80</u>
<u>1310</u>	<u>RESUME PURGING</u>									
<u>1315</u>		<u>117.8</u>			<u>6.20</u>	<u>0.229</u>	<u>7.14</u>	<u>12.28</u>	<u>192.8</u>	<u>340</u>
<u>1320</u>		<u>117.8</u>			<u>5.80</u>	<u>0.226</u>	<u>6.50</u>	<u>12.26</u>	<u>193.2</u>	<u>120</u>
<u>1325</u>		<u>117.8</u>			<u>5.82</u>	<u>0.225</u>	<u>9.11</u>	<u>12.31</u>	<u>197.1</u>	<u>64</u>

drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

C = Top of Inner ( ) g BGS = Below Ground Surface

(C-JER)

<u>TIME</u>	<u>PH</u>	<u>T</u>	<u>COND</u>	<u>DO</u>	<u>ORP</u>	<u>TURB</u>	<u>ATW</u>
13 <sup>30</sup>	5.80	12.24	0.228	8.35	197.7	44	117.8
13 <sup>35</sup>	5.79	12.19	0.224	8.41	200.4	39	117.8
13 <sup>40</sup>	5.79	12.20	0.223	7.84	189.3	31	117.85
13 <sup>45</sup>	5.79	12.17	0.222	8.96	196.7	32	117.85

13<sup>45</sup> STOP / END WELL DEVELOPMENT  
PURGED ~ 500 GALS OF WATER

Lawrence Aviation Industries Site  
Development Record

DATE: MAY 22, 2008

SAMPLERS: MDR

WEATHER CONDITIONS: Mostly Cloudy & Mild

SAMPLE ID:  
CLP ID:

SAMPLE TIME:

WELL #: MW-P-13

WELL DEVELOPMENT

DEPTH OF PUMP INTAKE: 270 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 175-185 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: \_\_\_\_\_ ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 XL / Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
CALMATE

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or μS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<u>1345</u>	<u>BEGIN PURGING</u>	<u>148.7 ft</u>								
<u>1400</u>					<u>6.05</u>	<u>0.199</u>	<u>6.55</u>	<u>14.22</u>	<u>129.5</u>	<u>NA</u>
<u>1415</u>	<u>PURGE WATER CLEARING</u>									<u>NA</u>
<u>1445</u>					<u>6.13</u>	<u>0.193</u>	<u>8.50</u>	<u>12.42</u>	<u>128.6</u>	<u>CLEAR</u>
<u>1500</u>					<u>6.20</u>	<u>0.192</u>	<u>10.63</u>	<u>12.20</u>	<u>127.4</u>	<u>110</u>
<u>1500</u>	<u>STOP / END PURGING</u>	<u>ACRIL PURGING ~</u>		<u>925 GALS</u>						

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (μS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 μS/cm = 1 mS/cm

TIC = Top of Casing

BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

DATE: May 5, 2008

SAMPLERS: JB

WEATHER CONDITIONS: Sunny

SAMPLE ID:  
CLP ID:

SAMPLE TIME: NA

WELL #: MW-14 Well drilled by

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 234-249 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 / Horiba U-22 (circle one)  
Other (specify)

Instrument:  
CALHOUNE

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: GPM	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
9:00	0		3-4		6.01	0.250	0.20	12.60	161.0	CLEAR
9:30	100				6.32	0.142	0.25	12.31	154	
10:30	150				6.35	0.257	0.19	13.61	123.6	
11:00	200				6.86	0.255	0.15	13.63	173.9	
11:30	300				5.93	0.242	0.13	13.61	163.4	
11:45	400				5.80	0.250	0.14	13.21	170.1	
12:00	500				5.71	0.253	0.14	12.99	177.2	

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface



Lawrence Aviation Industries Site  
Development Record

DATE: MAY 14, 2008

SAMPLERS: ROSE

WEATHER CONDITIONS: Sunny & Mild

SAMPLE ID:  
CLP ID:

SAMPLE TIME: NA

WELL #: MW-10-15 WELL DEVELOPMENT

DEPTH OF PUMP INTAKE: ~150 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 204' - 214' ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # AUS 680X Horiba U-22 (circle one)  
Other (specify) \_\_\_\_\_

Instrument:  
LAPORTE

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
				(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	L	(± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: GPM	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1400	BEGIN PURGING	78.85	~15 GPM		5.53	0.444	0.82	16.64	214.9	NA
1435	STOPPED PURGING	AFTER PURGING ~ 500 GALS TO UNLOAK WATER TANKS								
1545	RESUME PUMPING				5.92	0.308	1.64	12.82	92.4	21.7
1615					6.06	0.301	1.95	11.89	140.7	7.76
1630	STOP/BGS	WELL DEVELOPMENT	AFTER PURGING ~ 1,150 GALS							

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing

BGS = Below Ground Surface

Lawrence Aviation Industries Site  
Development Record

Y1W 0...  
DTB- 200.20

DATE: 4/3/08

SAMPLERS: Joe Butcher

WEATHER CONDITIONS: 50° F sunny

SAMPLE ID:  
CLP ID:

SAMPLE TIME: *Development*

WELL #: ~~PA-10~~ MW-10-16

DEPTH OF PUMP INTAKE: 195 ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: 190-200 ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 5 gpm ml/minute

Instrument Type/Model:

Complete and/or Circle at right

YSI Model # *600 XL 6995* / Horiba U-22 (circle one)  
Other (specify)

Instrument:

*Leak 2020*  
*F0536*

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
				(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	L	(± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: <i>gpm</i>	ft TIC / ft BGS (circle one)	SU	S/cm, <i>µS/cm</i> or <i>µS/cm</i> (circle one)	mg/L (not %)	Units: °C	mV	NTUs
<i>1038</i>	<i>51.1</i>	<i>65.00</i>	<i>~5 gpm</i>		<i>5.84</i>	<i>0.203</i>	<i>6.06</i>	<i>13.10</i>	<i>112.4</i>	<i>44.4</i> <i>cloudy</i>
<i>1045</i>	<i>~114.5</i>	<i>68.20</i>	<i>~5.2 gpm</i>		<i>7.74</i>	<i>0.214</i>	<i>5.18</i>	<i>12.48</i>	<i>128.9</i>	<i>81.1</i> <i>cloudy</i>
<i>1055</i>	<i>~100 gals</i>	<i>68.00</i>	<i>~5.1</i>		<i>6.44</i>	<i>0.388</i>	<i>5.05</i>	<i>11.90</i>	<i>132.9</i>	<i>2000</i> <i>yellowish brown</i>
<i>1205</i>	<i>~150 gals</i>	<i>67.90</i>	<i>~5.1</i>		<i>5.67</i>	<i>0.385</i>	<i>4.66</i>	<i>11.86</i>	<i>184.4</i>	<i>476</i>
<i>0112/10</i>	<i>~</i>	<i>~</i>	<i>~5.0</i>		<i>5.40</i>	<i>0.547</i>	<i>5.08</i>	<i>12.00</i>	<i>189.3</i>	<i>(605)</i> <i>434</i>
<i>1320</i>	<i>~209</i>	<i>67.90</i>	<i>5.0</i>		<i>5.40</i>	<i>0.547</i>	<i>3.93</i>	<i>12.00</i>	<i>189.3</i>	<i>143</i>
<i>1340</i>	<i>~310</i>	<i>62.70</i>	<i>5.2</i>		<i>5.31</i>	<i>0.580</i>	<i>3.50</i>	<i>11.72</i>	<i>163.7</i>	<i>74.6</i>
<i>1400</i>	<i>~480</i>	<i>67.70</i>	<i>5.2</i>		<i>5.34</i>	<i>0.596</i>	<i>2.79</i>	<i>11.60</i>	<i>207.0</i>	<i>267</i>
<i>1520</i>	<i>~530</i>	<i>62.75</i>	<i>5.1</i>		<i>5.35</i>	<i>0.600</i>	<i>2.70</i>	<i>11.40</i>	<i>223.8</i>	<i>135</i>
<i>1640</i>	<i>610</i>	<i>67.70</i>	<i>5.1</i>		<i>5.34</i>	<i>0.602</i>	<i>2.68</i>	<i>11.42</i>	<i>231.3</i>	<i>143</i>

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial; ~55,000 in high-salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

BGS = Below Ground Surface

207

Lawrence Aviation Industries Site  
Development Record

DATE: 4/2/07

WELL #: MW-PD-16

SAMPLERS: JB

DEPTH OF PUMP INTAKE: 145 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: 50's Sunny

SCREENED/OPEN BOREHOLE INTERVAL: 140-200 ft TIC or ft BGS (circle one)

SAMPLE ID:  
CLP ID:

SAMPLE TIME:

SAMPLE FLOW RATE: 5 gpm ml/minute

Instrument Type/Model:

Complete and/or Circle at right

YSI Model #

Other (specify)

6000 / Horiba U-22 (circle one)

Instrument:

Lark 2020

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL L	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle)	ft TIC / ft BGS (circle one)	Units: GPM	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1420	860	67.70	~5.1		5.36	0.600	2.85	11.51	220.4	86.7
1440	960	67.80	~5.1		5.35	0.611	2.78	11.54	223.5	61.8
1500										
1510	1070	67.60	~5.1		5.41	0.606	2.90	11.47	230.6	65.4
1520	1060	67.70			5.42	0.608	2.81	11.38	225.9	64.2
1530-	Off									

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 600 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - &gt;500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Casing

BGS = Below Ground Surface

**LAI SUPERFUND SITE  
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

DATE: MARCH 5, 2006

SAMPLERS: MOE & BOB

WEATHER CONDITIONS:

SAMPLE ID:  
CLP ID:

SAMPLE TIME: NA

WELL #: MW-PA-17 WELL DEVELOPMENT

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE FLOW RATE: 56 ml/32 sec <sup>9.3 gpm</sup> ml/minute

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # 600 XL Horiba U-22 (circle one)  
Other (specify)

Instrument:  
LAI WORK

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10 NTUs)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
915		4.90	56 ml/32 sec							
925		19.8			6.71	0.148	6.26	11.26	167.0	NA
930		19.99			6.90	0.145	6.67	11.27	162.3	
935		20.08			6.96	0.142	8.31	11.27	159.4	
940		20.08			6.96	0.141	7.63	11.26	160.8	
945		20.08			6.95	0.140	7.27	11.28	159.2	
950		20.10			7.02	0.139	8.02	11.24	157.0	
955		20.10			7.00	0.138	8.15	11.24	155.3	
1000		20.10			6.98	0.138	7.92	11.26	156.7	
1005		20.11			6.95	0.137	7.47	11.26	154.7	
1010		20.15			6.92	0.137	7.70	11.24	153.9	

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs  
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing. bgs = below ground surface

(MICK)

<u>TIME</u>	<u>IRD</u>	<u>PL</u>	<u>SC</u>	<u>DO</u>	<u>T</u>	<u>QCP</u>	<u>TURS</u>
10 <sup>15</sup>	20.16	6.92	0.136	9.10	11.24	153.1	14
10 <sup>20</sup>	20.16	6.94	0.137	8.12	11.29	150.6	65

10 <sup>21</sup>	STOPPED PUMPING AFTER PUMPING 2500 GALS; LET RECOVER						
10 <sup>25</sup>	[RECOVER]						
10 <sup>27</sup>	5.56						
10 <sup>28</sup>	5.08						
10 <sup>29</sup>	5.00						
10 <sup>30</sup>	4.96						
10 <sup>31</sup>	4.94						
10 <sup>32</sup>	4.93						
10 <sup>33</sup>	4.92						
10 <sup>34</sup>	4.92						
10 <sup>35</sup>	4.92						

**LAI SUPERFUND SITE**  
**LOW FLOW GROUNDWATER SAMPLING PURGE RECORD**

TABLE 2 OF 1

DATE:

WELL #: MW-PD-17

WELL DEVELOPMENT

SAMPLERS:

DEPTH OF PUMP INTAKE:

ft TIC or ft BGS (circle one)

WEATHER CONDITIONS:

SCREENED/OPEN BOREHOLE INTERVAL:

ft TIC or ft BGS (circle one)

SAMPLE ID:

SAMPLE TIME:

SAMPLE FLOW RATE:

ml/minute

CLP ID:

Instrument Type/Model:  
Complete and/or Circle at right

YSI Model # / Horiba U-22 (circle one)  
Other (specify)

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft bgs (circle one)	Units:	ft TIC / ft bgs (circle one)	SU	S/cm, mS/cm <sup>2</sup> or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1105	1.5	18.3			7.03	0.139	8.04	11.72	140.7	NA
1110		18.45			7.06	0.137	8.61	11.66	136.5	44
1115		18.52			7.05	0.135	8.73	11.23	134.5	24
1120		18.56			7.01	0.137	8.66	11.66	132.0	24
1125		18.62			7.04	0.137	8.07	11.55	129.0	22
1130		18.62			7.00	0.136	8.28	11.56	130.0	20.9
1135		18.71			6.99	0.137	8.41	11.54	129.0	23.1
1140	5.0	18.71								
1145	5.0	18.71								

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing

bgs = below ground surface



## APPENDIX F

### Analytical Data Tables

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-02-PD-A-R1		MPW-02-PD-B-R1		MPW-02-PD-C-R1		MPW-02-PD-C-R1-DUP MPW-22-PD-C-R1	
						1/4/2008 25.85 ft amsl		11/26/2007 3.35 ft amsl		11/26/2007 -24.15 ft amsl		11/26/2007 -24.15 ft amsl	
	<b>Volatile Organic Compounds</b>												
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	LDL VOC	ug/L		5	0.5 U		0.53 #		0.5 U		0.35 J #	
75-01-4	Vinyl Chloride	LDL VOC	ug/L		2	0.073 J #		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L		5	0.5 U		0.54 #		0.41 J #		0.32 J #	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	LDL VOC	ug/L		50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	LDL VOC	ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	LDL VOC	ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L		10	0.37 J #		0.37 J #		0.5 U		0.5 U	
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L		5	1.9 #		1.7 #		1.5 #		1.5 #	
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L		5	0.12 J #		0.5 U		0.38 J #		0.41 J #	
78-93-3	2-Butanone	LDL VOC	ug/L		50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	LDL VOC	ug/L		7	0.77 #		0.51 #		0.73 #		0.7 #	
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L		5	1.2 #		1.2 #		0.97 #		1 #	
110-82-7	Cyclohexane	LDL VOC	ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	LDL VOC	ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L		0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	LDL VOC	ug/L		5	1.7 #		2.3 #		3.2 #		3.1 #	
108-87-2	Methylcyclohexane	LDL VOC	ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	LDL VOC	ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L		50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	LDL VOC	ug/L		5	0.21 J #		0.56 #		0.33 J #		0.32 J #	
591-78-6	2-Hexanone	LDL VOC	ug/L		50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	LDL VOC	ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L		0.0006	0.5 U		0.5 U		0.5 U		0.5 U	



**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-02-PD-A-R1		MPW-02-PD-B-R1		MPW-02-PD-C-R1		MPW-02-PD-C-R1-DUP MPW-22-PD-C-R1	
					1/4/2008 25.85 ft amsl		11/26/2007 3.35 ft amsl		11/26/2007 -24.15 ft amsl		11/26/2007 -24.15 ft amsl	
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
100-42-5	Styrene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5 U		0.5 U		0.5 U		0.5 U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5 U		0.5 U		0.5 U		0.5 U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5 U		0.5 U		0.5 U		0.5 U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5 U		0.5 U		0.5 U		0.5 U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
<b>Wet Chemistry</b>												
7440-32-6	Titanium	SW6010B-T	ug/L	N/A	10 U		10 U		10 U		10 U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	1.3 A		1.3 A		10 A		10 A	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-02-PD-D-R1		MPW-01-PD-A-R1		MPW-01-PD-B-R1		MPW-01-PD-C-R1	
						11/26/2007		11/27/2007		11/27/2007		11/27/2007	
						-48.65 ft amsl		17.73 ft amsl		-6.77 ft amsl		-29.27 ft amsl	
	<b>Volatile Organic Compounds</b>												
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	LDL VOC	ug/L		5	0.48 J	#	0.64	#	0.4 J	#	0.5 U	
75-01-4	Vinyl Chloride	LDL VOC	ug/L		2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L		5	0.39 J	#	0.5 U		0.26 J	#	0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	LDL VOC	ug/L		50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	LDL VOC	ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	LDL VOC	ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L		10	0.5 U		4.2	#	1.7	#	0.5 U	
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L		5	1.1	#	0.5 U		0.35 J	#	1.2	#
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L		5	0.21 J	#	0.5 U		0.5 U		0.5 U	
78-93-3	2-Butanone	LDL VOC	ug/L		50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	LDL VOC	ug/L		7	1.2	#	0.5 U		0.82	#	0.5 U	
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L		5	0.89	#	0.5 U		0.93	#	0.47 J	#
110-82-7	Cyclohexane	LDL VOC	ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	LDL VOC	ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L		0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	LDL VOC	ug/L		5	0.46 J	#	0.5 U		0.5 U		0.5 U	
108-87-2	Methylcyclohexane	LDL VOC	ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	LDL VOC	ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L		50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
591-78-6	2-Hexanone	LDL VOC	ug/L		50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	LDL VOC	ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L		0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-02-PD-D-R1			MPW-01-PD-A-R1			MPW-01-PD-B-R1			MPW-01-PD-C-R1		
						11/26/2007 -48.65 ft amsl			11/27/2007 17.73 ft amsl			11/27/2007 -6.77 ft amsl			11/27/2007 -29.27 ft amsl		
108-90-7	Chlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L		0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Wet Chemistry</b>																	
7440-32-6	Titanium	SW6010B-Ti	ug/L		N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L		0.12	1	A		0.073	#		0.074	#		0.18	A	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-03-PD-B-R1		MPW-03-PD-B-R1-DUP MPW-33-PD-B-R1		MPW-04-PD-A-R1		MPW-04-PD-B-R1	
					11/27/2007 -12.90 ft amsl		11/27/2007 -12.90 ft amsl		11/27/2007 21.56 ft amsl		11/27/2007 2.06 ft amsl	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	LDL VOC	ug/L	5	0.21 J	#	0.57	#	0.45 J	#	0.5 U	
75-01-4	Vinyl Chloride	LDL VOC	ug/L	2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L	10	0.5 U		0.5 U		1.5	#	7.9	#
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L	5	0.5 U		0.5 U		1	#	1.5	#
78-93-3	2-Butanone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	LDL VOC	ug/L	7	0.5 U		0.5 U		0.5 U		0.5 U	
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
110-82-7	Cyclohexane	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	LDL VOC	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	LDL VOC	ug/L	5	1.7	#	2.2	#	15	A	79	A
108-87-2	Methylcyclohexane	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.38 J	#	0.5 U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	LDL VOC	ug/L	5	0.5 U		0.5 U		6	A	40	A
591-78-6	2-Hexanone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-03-PD-B-R1		MPW-03-PD-B-R1-DUP MPW-33-PD-B-R1		MPW-04-PD-A-R1		MPW-04-PD-B-R1	
						11/27/2007 -12.90 ft amsl		11/27/2007 -12.90 ft amsl		11/27/2007 21.56 ft amsl		11/27/2007 2.06 ft amsl	
108-90-7	Chlorobenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	LDL VOC	ug/L		N/A	0.5	U	0.5	U	0.22	J ~	0.5	U
100-42-5	Styrene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	LDL VOC	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L		0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Wet Chemistry</b>													
7440-32-6	Titanium	SW6010B-Ti	ug/L		N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L		0.12	0.17	A	0.24	A	0.16	A	1.6	A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

			Sample Code	Site-specific-GW	MPW-04-PD-C-R1	MPW-04-PD-D-R1	MPW-04-PD-E-R1	MPW-10-PD-A-R1
			Sample Name		11/27/2007	11/27/2007	11/27/2007	11/27/2007
			Sample Date		-28.44 ft amsl	-44.94 ft amsl	-67.44 ft amsl	5.56 ft amsl
Cas Rn	Chemical Name	Analytic Metr Unit \ Depth						
	<b>Volatile Organic Compounds</b>							
75-71-8	Dichlorodifluoromethane	LDL VOC ug/L	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
74-87-3	Chloromethane	LDL VOC ug/L	5	0.35 J #	0.24 J #	0.28 J #	0.46 J #	
75-01-4	Vinyl Chloride	LDL VOC ug/L	2	0.5 U	0.5 U	0.5 U	0.5 U	
74-83-9	Bromomethane	LDL VOC ug/L	5	0.5 U	0.5 U	0.5 U	0.5 U	
75-00-3	Chloroethane	LDL VOC ug/L	5	0.5 U	0.5 U	0.5 U	0.5 U	
75-69-4	Trichlorofluoromethane	LDL VOC ug/L	5	0.5 U	0.5 U	0.5 U	0.5 U	
75-35-4	1,1-Dichloroethene	LDL VOC ug/L	5	0.5 U	0.21 J #	0.82 #	0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC ug/L	5	0.5 U	0.5 U	0.5 U	0.5 U	
67-64-1	Acetone	LDL VOC ug/L	50	5 U	5 U	5 U	5 U	
75-15-0	Carbon Disulfide	LDL VOC ug/L	50	0.5 U	0.5 U	0.5 U	0.5 U	
79-20-9	Methyl Acetate	LDL VOC ug/L	N/A	0.5 U	0.5 U	0.5 U	0.5 U	
75-09-2	Methylene Chloride	LDL VOC ug/L	5	0.5 U	0.5 U	0.5 U	0.5 U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC ug/L	5	0.5 U	0.5 U	0.5 U	0.5 U	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC ug/L	10	1.1 #	2 #	1.4 #	1.4 #	
75-34-3	1,1-Dichloroethane	LDL VOC ug/L	5	0.5 U	0.42 J #	2.3 #	0.36 J #	
156-59-2	cis-1,2-Dichloroethene	LDL VOC ug/L	5	0.42 J #	1 #	0.35 J #	0.46 J #	
78-93-3	2-Butanone	LDL VOC ug/L	50	5 U	5 U	5 U	5 U	
74-97-5	Chlorobromomethane	LDL VOC ug/L	5	0.5 U	0.5 U	0.5 U	0.5 U	
67-66-3	Chloroform	LDL VOC ug/L	7	0.5 U	0.5 U	0.65 #	0.5 U	
71-55-6	1,1,1-Trichloroethane	LDL VOC ug/L	5	0.5 U	0.72 #	2.1 #	0.46 J #	
110-82-7	Cyclohexane	LDL VOC ug/L	N/A	0.5 U	0.5 U	0.5 U	0.5 U	
56-23-5	Carbon Tetrachloride	LDL VOC ug/L	5	0.5 U	0.5 U	0.5 U	0.5 U	
71-43-2	Benzene	LDL VOC ug/L	1	0.5 U	0.5 U	0.5 U	0.5 U	
107-06-2	1,2-Dichloroethane	LDL VOC ug/L	0.6	0.5 U	0.5 U	0.5 U	0.5 U	
79-01-6	Trichloroethene	LDL VOC ug/L	5	5.3 A	45 A	9.8 A	17 A	
108-87-2	Methylcyclohexane	LDL VOC ug/L	N/A	0.5 U	0.5 U	0.5 U	0.5 U	
78-87-5	1,2-Dichloropropane	LDL VOC ug/L	1	0.5 U	0.5 U	0.5 U	0.5 U	
75-27-4	Bromodichloromethane	LDL VOC ug/L	50	0.5 U	0.5 U	0.5 U	0.5 U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC ug/L	0.4	0.5 U	0.5 U	0.5 U	0.5 U	
108-10-1	4-Methyl-2-pentanone	LDL VOC ug/L	50	5 U	5 U	5 U	5 U	
108-88-3	Toluene	LDL VOC ug/L	5	0.5 U	0.5 U	0.5 U	0.5 U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC ug/L	0.4	0.5 U	0.5 U	0.5 U	0.5 U	
79-00-5	1,1,2-Trichloroethane	LDL VOC ug/L	1	0.5 U	0.5 U	0.5 U	0.5 U	
127-18-4	Tetrachloroethene	LDL VOC ug/L	5	0.64 #	11 A	3 #	5.7 A	
591-78-6	2-Hexanone	LDL VOC ug/L	50	5 U	5 U	5 U	5 U	
124-48-1	Dibromochloromethane	LDL VOC ug/L	50	0.5 U	0.5 U	0.5 U	0.5 U	
106-93-4	1,2-Dibromoethane	LDL VOC ug/L	0.0006	0.5 U	0.5 U	0.5 U	0.5 U	

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code	Site-specific-GW	MPW-04-PD-C-R1			MPW-04-PD-D-R1			MPW-04-PD-E-R1			MPW-10-PD-A-R1		
			Sample Name Sample Date Unit \ Depth		11/27/2007 -28.44 ft amsl			11/27/2007 -44.94 ft amsl			11/27/2007 -67.44 ft amsl			11/27/2007 5.56 ft amsl		
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
96-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Wet Chemistry</b>																
7440-32-6	Titanium	SW6010B-T	ug/L	N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	2.8		A	2.2		A	0.37		A	0.12		#

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Metr	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-10-PD-B-R1		MPW-10-PD-C-R1		MPW-10-PD-D-R1		FG-01-PD-R1	
						11/27/2007 -19.94 ft amsl		11/27/2007 -51.44 ft amsl		11/27/2007 -67.94 ft amsl		11/28/2007 12 to 2 ft amsl	
	<b>Volatile Organic Compounds</b>												
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethane	LDL VOC	ug/L		5	0.5	U	0.33	J #	0.31	J #	0.47	J #
75-01-4	Vinyl Chloride	LDL VOC	ug/L		2	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L		5	0.5	U	0.28	J #	0.41	J #	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-64-1	Acetone	LDL VOC	ug/L		50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	LDL VOC	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
79-20-9	Methyl Acetate	LDL VOC	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L		10	2.9	#	1.1	#	0.39	J #	0.49	J #
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L		5	0.26	J #	0.8	#	1.9	#	0.5	U
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L		5	1.3	#	1.8	#	0.5	U	0.5	U
78-93-3	2-Butanone	LDL VOC	ug/L		50	5	U	5	U	5	U	5	U
74-97-5	Chlorobromomethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	LDL VOC	ug/L		7	0.5	U	0.52	#	0.5	J #	9.9	A
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L		5	0.47	J #	0.98	#	1.9	#	0.5	U
110-82-7	Cyclohexane	LDL VOC	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
71-43-2	Benzene	LDL VOC	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L		0.6	0.5	U	0.5	U	0.5	U	0.5	U
79-01-6	Trichloroethene	LDL VOC	ug/L		5	58	A	30	A	1.3	#	0.5	U
108-87-2	Methylcyclohexane	LDL VOC	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	LDL VOC	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L		50	5	U	5	U	5	U	5	U
108-88-3	Toluene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
127-18-4	Tetrachloroethene	LDL VOC	ug/L		5	23	A	14	A	0.67	#	0.54	#
591-78-6	2-Hexanone	LDL VOC	ug/L		50	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	LDL VOC	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L		0.0006	0.5	U	0.5	U	0.5	U	0.5	U



**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-10-PD-B-R1		MPW-10-PD-C-R1		MPW-10-PD-D-R1		FG-01-PD-R1	
					11/27/2007 -19.94 ft amsl		11/27/2007 -51.44 ft amsl		11/27/2007 -67.94 ft amsl		11/28/2007 12 to 2 ft amsl	
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Wet Chemistry</b>												
7440-32-6	Titanium	SW6010B-Ti	ug/L	N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	1	A	1.6	A	0.36	A	0.15	A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-03-PD-A-R1		MPW-03-PD-C-R1		MPW-03-PD-D-R1		MPW-05-PD-A-R1	
					11/28/2007 9.60 ft amsl		11/28/2007 -30.40 ft amsl		11/28/2007 -50.40 ft amsl		11/28/2007 -8.37 ft amsl	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	LDL VOC	ug/L	5	0.25 J	#	0.5 U		0.5 U		0.5 U	
75-01-4	Vinyl Chloride	LDL VOC	ug/L	2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	LDL VOC	ug/L	5	0.5 U		0.5 U		1.4	#	0.5 U	
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.21 J	#	0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.29 J	#
79-20-9	Methyl Acetate	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	LDL VOC	ug/L	5	0.5 U		0.5 U		0.23 J	#	0.5 U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L	5	0.5 UJ		0.5 U		0.5 U		0.5 UJ	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L	10	0.4 J	#	0.58	#	0.5 U		2.4	#
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L	5	0.5 U		0.49 J	#	0.57	#	0.5 U	
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L	5	0.5 UJ		0.55	#	0.32 J	#	0.5 UJ	
78-93-3	2-Butanone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	LDL VOC	ug/L	7	0.2 J	#	0.5 U		0.5 U		0.5 U	
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L	5	0.5 U		0.44 J	#	0.5 U		0.5 U	
110-82-7	Cyclohexane	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	LDL VOC	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	LDL VOC	ug/L	5	0.5 U		11	A	0.69	#	0.5 U	
108-87-2	Methylcyclohexane	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	LDL VOC	ug/L	5	0.5 U		0.5 U		2.2	#	0.77	#
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	LDL VOC	ug/L	5	0.5 U		0.47 J	#	0.5 U		0.5 U	
591-78-6	2-Hexanone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-03-PD-A-R1			MPW-03-PD-C-R1			MPW-03-PD-D-R1			MPW-05-PD-A-R1		
						11/28/2007 9.60 ft amsl			11/28/2007 -30.40 ft amsl			11/28/2007 -50.40 ft amsl			11/28/2007 -8.37 ft amsl		
108-90-7	Chlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L		0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Wet Chemistry</b>																	
7440-32-6	Titanium	SW6010B-T	ug/L		N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L		0.12	0.23	A		0.74	A		0.22	A		0.13	A	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Metr Unit	Sample Code Sample Name Sample Date Depth	Site-specific-GW	MPW-05-PD-B-R1		MPW-08-PD-A-R1		MPW-08-PD-B-R1		MPW-08-PD-C-R1	
					11/28/2007 -36.87 ft amsl		11/28/2007 -13.59 ft amsl		11/28/2007 -33.09 ft amsl		11/28/2007 -63.59 ft amsl	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	LDL VOC ug/L	5		0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	LDL VOC ug/L	5		0.5 U		0.5 U		0.5 U		0.5 U	
75-01-4	Vinyl Chloride	LDL VOC ug/L	2		0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	LDL VOC ug/L	5		0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	LDL VOC ug/L	5		0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	LDL VOC ug/L	5		0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	LDL VOC ug/L	5		0.5 U		0.5 U		0.5 U		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC ug/L	5		0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	LDL VOC ug/L	50		5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	LDL VOC ug/L	50		0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	LDL VOC ug/L	N/A		0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	LDL VOC ug/L	5		0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC ug/L	5		0.5 U		0.5 UJ		0.5 UJ		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC ug/L	10		0.5 U		0.5 U		0.5 U		0.5 U	
75-34-3	1,1-Dichloroethane	LDL VOC ug/L	5		0.5 U		0.5 U		0.5 U		0.5 U	
156-59-2	cis-1,2-Dichloroethene	LDL VOC ug/L	5		0.5 U		0.5 UJ		0.5 UJ		0.3 J	#
78-93-3	2-Butanone	LDL VOC ug/L	50		5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	LDL VOC ug/L	5		0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	LDL VOC ug/L	7		0.5 U		0.5 U		0.5 U		0.5 U	
71-55-6	1,1,1-Trichloroethane	LDL VOC ug/L	5		0.5 U		0.5 U		0.5 U		0.5 U	
110-82-7	Cyclohexane	LDL VOC ug/L	N/A		0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	LDL VOC ug/L	5		0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	LDL VOC ug/L	1		0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	LDL VOC ug/L	0.6		0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	LDL VOC ug/L	5		0.77	#	3	#	3.2	#	19	A
108-87-2	Methylcyclohexane	LDL VOC ug/L	N/A		0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	LDL VOC ug/L	1		0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	LDL VOC ug/L	50		0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC ug/L	0.4		0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	LDL VOC ug/L	50		5 U		5 U		5 U		5 U	
108-88-3	Toluene	LDL VOC ug/L	5		0.21 J	#	0.5 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC ug/L	0.4		0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	LDL VOC ug/L	1		0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	LDL VOC ug/L	5		0.5 U		0.5 U		0.5 U		0.5 U	
591-78-6	2-Hexanone	LDL VOC ug/L	50		5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	LDL VOC ug/L	50		0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	LDL VOC ug/L	0.0006		0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-05-PD-B-R1		MPW-08-PD-A-R1		MPW-08-PD-B-R1		MPW-08-PD-C-R1	
					11/28/2007 -36.87 ft amsl		11/28/2007 -13.59 ft amsl		11/28/2007 -33.09 ft amsl		11/28/2007 -63.59 ft amsl	
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Wet Chemistry</b>												
7440-32-6	Titanium	SW6010B-Ti	ug/L	N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.18	A	0.082	#	0.15	A	0.11	#

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-08-PD-D-R1			MPW-08-PD-E-R1			MW-05-PD-R1			MPW-05-PD-C-R1		
						11/28/2007 -85.09 ft amsl			11/28/2007 -102.59 ft amsl			11/28/2007 40 to 25 ft amsl			11/29/2007 -53.57 ft amsl		
	<b>Volatile Organic Compounds</b>																
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
74-87-3	Chloromethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-01-4	Vinyl Chloride	LDL VOC	ug/L		2	0.5	U		0.5	U		0.5	U		0.5	U	
74-83-9	Bromomethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-00-3	Chloroethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
67-64-1	Acetone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
75-15-0	Carbon Disulfide	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
79-20-9	Methyl Acetate	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
75-09-2	Methylene Chloride	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5	UJ		0.5	UJ		0.5	UJ		0.5	UJ	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L		10	0.5	U		0.5	U		0.5	U		0.5	U	
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L		5	0.31	J	#	0.5	U		0.5	U		0.33	J	#
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L		5	0.88	J	#	0.33	J	#	0.5	UJ		0.5	UJ	
78-93-3	2-Butanone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
74-97-5	Chlorobromomethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
67-66-3	Chloroform	LDL VOC	ug/L		7	0.5	U		0.5	U		0.5	U		0.5	U	
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L		5	0.22	J	#	0.5	U		0.5	U		0.41	J	#
110-82-7	Cyclohexane	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
71-43-2	Benzene	LDL VOC	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L		0.6	0.5	U		0.5	U		0.5	U		0.5	U	
79-01-6	Trichloroethene	LDL VOC	ug/L		5	30	A		13	A		1	#		6.7	A	
108-87-2	Methylcyclohexane	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
75-27-4	Bromodichloromethane	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U		0.5	U		0.5	U		0.5	U	
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
108-88-3	Toluene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U		0.5	U		0.5	U		0.5	U	
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
127-18-4	Tetrachloroethene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.52	#		0.35	J	#
591-78-6	2-Hexanone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
124-48-1	Dibromochloromethane	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L		0.0006	0.5	U		0.5	U		0.5	U		0.5	U	

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**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code Sample Name Sample Date Unit \\ Depth	Site-specific-GW	MPW-08-PD-D-R1			MPW-08-PD-E-R1			MW-05-PD-R1			MPW-05-PD-C-R1		
					11/28/2007 -85.09 ft amsl			11/28/2007 -102.59 ft amsl			11/28/2007 40 to 25 ft amsl			11/29/2007 -53.57 ft amsl		
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Wet Chemistry</b>																
7440-32-6	Titanium	SW6010B-T	ug/L	N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.16	A		0.13	A		0.085	#		0.19	A	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-05-PD-D-R1			MPW-06-PD-A-R1			MPW-06-PD-B-R1			MPW-06-PD-C-R1		
						11/29/2007 -71.87 ft amsl			11/29/2007 -12.88 ft amsl			11/29/2007 -38.38 ft amsl			11/29/2007 -64.88 ft amsl		
	<b>Volatile Organic Compounds</b>																
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
74-87-3	Chloromethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-01-4	Vinyl Chloride	LDL VOC	ug/L		2	0.5	U		0.5	U		0.5	U		0.5	U	
74-83-9	Bromomethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-00-3	Chloroethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.22	J	#
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
67-64-1	Acetone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
75-15-0	Carbon Disulfide	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
79-20-9	Methyl Acetate	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
75-09-2	Methylene Chloride	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5	UJ		0.5	UJ		0.5	UJ		0.5	UJ	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L		10	0.5	U		0.5	U		0.28	J	#	0.5	U	
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L		5	0.5	J	#	0.5	U		0.5	U		0.45	J	#
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5	UJ		0.5	UJ		0.5	UJ		0.5	UJ	
78-93-3	2-Butanone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
74-97-5	Chlorobromomethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
67-66-3	Chloroform	LDL VOC	ug/L		7	0.5	U		0.5	U		0.5	U		0.5	U	
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L		5	0.59		#	0.5	U		0.5	U		0.45	J	#
110-82-7	Cyclohexane	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
71-43-2	Benzene	LDL VOC	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L		0.6	0.5	U		0.5	U		0.5	U		0.5	U	
79-01-6	Trichloroethene	LDL VOC	ug/L		5	8		A	1.2		#	0.52		#	14		A
108-87-2	Methylcyclohexane	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
75-27-4	Bromodichloromethane	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U		0.5	U		0.5	U		0.5	U	
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
108-88-3	Toluene	LDL VOC	ug/L		5	0.5	U		2		#	1.7		#	0.5	U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U		0.5	U		0.5	U		0.5	U	
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
127-18-4	Tetrachloroethene	LDL VOC	ug/L		5	0.43	J	#	0.5	U		0.5	U		0.21	J	#
591-78-6	2-Hexanone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
124-48-1	Dibromochloromethane	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L		0.0006	0.5	U		0.5	U		0.5	U		0.5	U	



**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code, Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-05-PD-D-R1			MPW-06-PD-A-R1			MPW-06-PD-B-R1			MPW-06-PD-C-R1		
					11/29/2007 -71.87 ft amsl			11/29/2007 -12.88 ft amsl			11/29/2007 -38.38 ft amsl			11/29/2007 -64.88 ft amsl		
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Wet Chemistry</b>																
7440-32-6	Titanium	SW6010B-T	ug/L	N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.18		A	0.29		A	0.17		A	0.15		A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit	Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-06-PD-D-R1		MPW-07-PD-C-R1		MPW-07-PD-C-R1-DUP MPW-77-PD-C-R1		MPW-09-PD-A-R1	
							11/29/2007 -108.38 ft amsl		11/29/2007 -26.56 ft amsl		11/29/2007 -26.56 ft amsl		11/29/2007 -5.01 ft amsl	
	<b>Volatile Organic Compounds</b>													
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L			5	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethane	LDL VOC	ug/L			5	0.5	U	0.5	U	0.5	U	0.5	U
75-01-4	Vinyl Chloride	LDL VOC	ug/L			2	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	LDL VOC	ug/L			5	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethane	LDL VOC	ug/L			5	0.5	U	0.5	U	0.5	U	0.5	U
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L			5	0.5	U	0.5	U	0.5	U	0.5	U
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L			5	0.5	U	0.5	U	0.5	U	0.25	J #
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L			5	0.5	U	0.5	U	0.5	U	0.5	U
67-64-1	Acetone	LDL VOC	ug/L			50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	LDL VOC	ug/L			50	0.5	U	0.5	U	0.5	U	0.5	U
79-20-9	Methyl Acetate	LDL VOC	ug/L			N/A	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	LDL VOC	ug/L			5	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L			5	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L			10	0.5	U	0.5	U	0.5	U	0.5	U
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L			5	0.23	J #	0.52	#	0.52	#	0.78	#
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L			5	0.36	J #	0.5	U	0.5	U	1.7	#
78-93-3	2-Butanone	LDL VOC	ug/L			50	5	U	5	U	5	U	5	U
74-97-5	Chlorobromomethane	LDL VOC	ug/L			5	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	LDL VOC	ug/L			7	0.5	U	0.86	#	0.84	#	0.5	U
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L			5	0.5	U	0.49	J #	0.44	J #	0.86	#
110-82-7	Cyclohexane	LDL VOC	ug/L			N/A	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L			5	0.5	U	0.5	U	0.5	U	0.5	U
71-43-2	Benzene	LDL VOC	ug/L			1	0.5	U	0.5	U	0.5	U	0.5	U
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L			0.6	0.5	U	0.5	U	0.5	U	0.5	U
79-01-6	Trichloroethene	LDL VOC	ug/L			5	9.8	A	0.59	#	0.53	#	54	A
108-87-2	Methylcyclohexane	LDL VOC	ug/L			N/A	0.5	U	0.5	U	0.5	U	0.5	U
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L			1	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	LDL VOC	ug/L			50	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L			0.4	0.5	U	0.5	U	0.5	U	0.5	U
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L			50	5	U	5	U	5	U	5	U
108-88-3	Toluene	LDL VOC	ug/L			5	0.5	U	0.5	U	0.5	U	0.5	U
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L			0.4	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L			1	0.5	U	0.5	U	0.5	U	0.5	U
127-18-4	Tetrachloroethene	LDL VOC	ug/L			5	0.5	U	0.5	U	0.5	U	0.64	#
591-78-6	2-Hexanone	LDL VOC	ug/L			50	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	LDL VOC	ug/L			50	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L			0.0006	0.5	U	0.5	U	0.5	U	0.5	U

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-06-PD-D-R1			MPW-07-PD-C-R1			MPW-07-PD-C-R1-DUP MPW-77-PD-C-R1			MPW-09-PD-A-R1		
						11/29/2007 -108.38 ft amsl			11/29/2007 -26.56 ft amsl			11/29/2007 -26.56 ft amsl			11/29/2007 -5.01 ft amsl		
108-90-7	Chlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L		0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Wet Chemistry</b>																	
7440-32-6	Titanium	SW6010B-Ti	ug/L		N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L		0.12	0.12	#		20	A		20	A		0.11	#	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Sample Code Sample Name Sample Date			Site-specific-GW	MPW-09-PD-B-R1		MPW-09-PD-C-R1		MPW-09-PD-D-R1		MPW-09-PD-E-R1	
Cas Rn	Chemical Name	Analytic Meth Unit \ Depth		11/29/2007 -38.51 ft amsl		11/29/2007 -69.01 ft amsl		11/29/2007 -88.51 ft amsl		11/29/2007 -120.01 ft amsl	
Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane	LDL VOC ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	LDL VOC ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-01-4	Vinyl Chloride	LDL VOC ug/L	2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	LDL VOC ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	LDL VOC ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	LDL VOC ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	LDL VOC ug/L	5	0.61	#	0.53	#	0.5 U		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	LDL VOC ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	LDL VOC ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	LDL VOC ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	LDL VOC ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC ug/L	10	0.5 U		0.5 U		0.5 U		0.5 U	
75-34-3	1,1-Dichloroethane	LDL VOC ug/L	5	1.7	#	1.8	#	0.42 J	#	0.86	#
156-59-2	cis-1,2-Dichloroethene	LDL VOC ug/L	5	7.2	A	14	A	10	A	0.59	#
78-93-3	2-Butanone	LDL VOC ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	LDL VOC ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	LDL VOC ug/L	7	0.5 U		0.5 U		0.52 U		0.51	#
71-55-6	1,1,1-Trichloroethane	LDL VOC ug/L	5	1.5	#	1.3	#	0.24 J	#	0.59	#
110-82-7	Cyclohexane	LDL VOC ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	LDL VOC ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	LDL VOC ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	LDL VOC ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	LDL VOC ug/L	5	280	A	580	A	470	A	67	A
108-87-2	Methylcyclohexane	LDL VOC ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	LDL VOC ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	LDL VOC ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	LDL VOC ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	LDL VOC ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	LDL VOC ug/L	1	0.5 U		0.22 J	#	0.53	#	0.5 U	
127-18-4	Tetrachloroethene	LDL VOC ug/L	5	5	#	4.6	#	1.2	#	0.65	#
591-78-6	2-Hexanone	LDL VOC ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	LDL VOC ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	LDL VOC ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-09-PD-B-R1		MPW-09-PD-C-R1		MPW-09-PD-D-R1		MPW-09-PD-E-R1	
						11/29/2007 -38.51 ft amsl		11/29/2007 -69.01 ft amsl		11/29/2007 -88.51 ft amsl		11/29/2007 -120.01 ft amsl	
108-90-7	Chlorobenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	LDL VOC	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	LDL VOC	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L		0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Wet Chemistry</b>													
7440-32-6	Titanium	SW6010B-Ti	ug/L		N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L		0.12	0.16	A	0.16	A	0.16	A	0.17	A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-07-PD-A-R1			MPW-07-PD-B-R1		
						11/30/2007 22.44 ft amsl			1/4/2008 3.94 ft amsl		
	<b>Volatile Organic Compounds</b>										
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L		5	0.5	U		0.5	U	
74-87-3	Chloromethane	LDL VOC	ug/L		5	0.5	U		0.5	U	
75-01-4	Vinyl Chloride	LDL VOC	ug/L		2	0.5	U		0.5	U	
74-83-9	Bromomethane	LDL VOC	ug/L		5	0.5	U		0.5	U	
75-00-3	Chloroethane	LDL VOC	ug/L		5	0.5	U		0.5	U	
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L		5	0.5	U		0.5	U	
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L		5	0.5	U		0.5	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L		5	0.5	U		0.5	U	
67-64-1	Acetone	LDL VOC	ug/L		50	5	U		5	U	
75-15-0	Carbon Disulfide	LDL VOC	ug/L		50	0.5	U		0.5	U	
79-20-9	Methyl Acetate	LDL VOC	ug/L		N/A	0.5	U		0.5	U	
75-09-2	Methylene Chloride	LDL VOC	ug/L		5	0.5	U		0.5	U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5	UJ		0.5	U	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L		10	0.6	#		0.52	#	
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L		5	0.5	U		0.5	U	
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L		5	1.1	J #		0.96	#	
78-93-3	2-Butanone	LDL VOC	ug/L		50	5	U		5	U	
74-97-5	Chlorobromomethane	LDL VOC	ug/L		5	0.5	U		0.5	U	
67-66-3	Chloroform	LDL VOC	ug/L		7	0.23	J #		0.5	U	
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L		5	0.24	J #		0.12	J #	
110-82-7	Cyclohexane	LDL VOC	ug/L		N/A	0.5	U		0.5	U	
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L		5	0.5	U		0.5	U	
71-43-2	Benzene	LDL VOC	ug/L		1	0.5	U		0.5	U	
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L		0.6	0.5	U		0.5	U	
79-01-6	Trichloroethene	LDL VOC	ug/L		5	1100	A		620	A	
108-87-2	Methylcyclohexane	LDL VOC	ug/L		N/A	0.5	U		0.5	U	
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L		1	0.5	U		0.5	U	
75-27-4	Bromodichloromethane	LDL VOC	ug/L		50	0.5	U		0.5	U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U		0.5	U	
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L		50	5	U		5	U	
108-88-3	Toluene	LDL VOC	ug/L		5	0.5	U		0.5	U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U		0.5	U	
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L		1	0.5	U		0.16	J #	
127-18-4	Tetrachloroethene	LDL VOC	ug/L		5	14	A		5.9	A	
591-78-6	2-Hexanone	LDL VOC	ug/L		50	5	U		5	U	
124-48-1	Dibromochloromethane	LDL VOC	ug/L		50	0.5	U		0.5	U	
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L		0.0006	0.5	U		0.5	U	

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-07-PD-A-R1			MPW-07-PD-B-R1		
						11/30/2007 22.44 ft amsl			1/4/2008 3.94 ft amsl		
108-90-7	Chlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U	
100-41-4	Ethylbenzene	LDL VOC	ug/L		5	0.5	U		0.5	U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L		N/A	0.5	U		0.5	U	
100-42-5	Styrene	LDL VOC	ug/L		5	0.5	U		0.5	U	
75-25-2	Bromoform	LDL VOC	ug/L		50	0.5	U		0.5	U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L		5	0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L		5	0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L		0.04	0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U	
<b>Wet Chemistry</b>											
7440-32-6	Titanium	SW6010B-Ti	ug/L		N/A	10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L		0.12	36	A		24	A	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-02-PD-A-R1		MPW-02-PD-B-R1		MPW-02-PD-C-R1		MPW-02-PD-C-R1-DUP MPW-22-PD-C-R1	
					1/4/2008 190 to 200 ft bgs		11/26/2007 215 to 225 ft bgs		11/26/2007 240 to 250 ft bgs		11/26/2007 240 to 250 ft bgs	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	LDL VOC	ug/L	5	0.5 U		0.53 U	#	0.5 U		0.35 J	#
75-01-4	Vinyl Chloride	LDL VOC	ug/L	2	0.073 J	#	0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L	5	0.5 U		0.54 U	#	0.41 J	#	0.32 J	#
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L	10	0.37 J	#	0.37 J	#	0.5 U		0.5 U	
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L	5	1.9	#	1.7	#	1.5	#	1.5	#
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L	5	0.12 J	#	0.5 U		0.38 J	#	0.41 J	#
78-93-3	2-Butanone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	LDL VOC	ug/L	7	0.77	#	0.51	#	0.73	#	0.7	#
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L	5	1.2	#	1.2	#	0.97	#	1	#
110-82-7	Cyclohexane	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	LDL VOC	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	LDL VOC	ug/L	5	1.7	#	2.3	#	3.2	#	3.1	#
108-87-2	Methylcyclohexane	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	LDL VOC	ug/L	5	0.21 J	#	0.56	#	0.33 J	#	0.32 J	#
591-78-6	2-Hexanone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	



**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-02-PD-A-R1		MPW-02-PD-B-R1		MPW-02-PD-C-R1		MPW-02-PD-C-R1-DUP MPW-22-PD-C-R1	
					1/4/2008 190 to 200 ft bgs		11/26/2007 215 to 225 ft bgs		11/26/2007 240 to 250 ft bgs		11/26/2007 240 to 250 ft bgs	
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
100-42-5	Styrene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5 U		0.5 U		0.5 U		0.5 U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5 U		0.5 U		0.5 U		0.5 U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5 U		0.5 U		0.5 U		0.5 U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5 U		0.5 U		0.5 U		0.5 U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
<b>Wet Chemistry</b>												
7440-32-6	Titanium	SW6010B-Ti	ug/L	N/A	10 U		10 U		10 U		10 U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	1.3 A		1.3 A		10 A		10 A	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Mettr	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-02-PD-D-R1		MPW-01-PD-A-R1		MPW-01-PD-B-R1		MPW-01-PD-C-R1	
						11/26/2007		11/27/2007		11/27/2007		11/27/2007	
						265 to 275 ft bgs		160 to 170 ft bgs		185 to 195 ft bgs		210 to 220 ft bgs	
	<b>Volatile Organic Compounds</b>												
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	LDL VOC	ug/L		5	0.48 J	#	0.64	#	0.4 J	#	0.5 U	
75-01-4	Vinyl Chloride	LDL VOC	ug/L		2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L		5	0.39 J	#	0.5 U		0.26 J	#	0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	LDL VOC	ug/L		50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	LDL VOC	ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	LDL VOC	ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L		10	0.5 U		4.2	#	1.7	#	0.5 U	
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L		5	1.1	#	0.5 U		0.35 J	#	1.2	#
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L		5	0.21 J	#	0.5 U		0.5 U		0.5 U	
78-93-3	2-Butanone	LDL VOC	ug/L		50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	LDL VOC	ug/L		7	1.2	#	0.5 U		0.82	#	0.5 U	
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L		5	0.89	#	0.5 U		0.93	#	0.47 J	#
110-82-7	Cyclohexane	LDL VOC	ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	LDL VOC	ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L		0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	LDL VOC	ug/L		5	0.46 J	#	0.5 U		0.5 U		0.5 U	
108-87-2	Methylcyclohexane	LDL VOC	ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	LDL VOC	ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L		50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	LDL VOC	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
591-78-6	2-Hexanone	LDL VOC	ug/L		50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	LDL VOC	ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L		0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-02-PD-D-R1		MPW-01-PD-A-R1		MPW-01-PD-B-R1		MPW-01-PD-C-R1	
						11/26/2007 265 to 275 ft bgs		11/27/2007 160 to 170 ft bgs		11/27/2007 185 to 195 ft bgs		11/27/2007 210 to 220 ft bgs	
108-90-7	Chlorobenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	LDL VOC	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	LDL VOC	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L		0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Wet Chemistry</b>													
7440-32-6	Titanium	SW6010B-T	ug/L		N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L		0.12	1	A	0.073	#	0.074	#	0.18	A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Mett	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-03-PD-B-R1		MPW-03-PD-B-R1-DUP MPW-33-PD-B-R1		MPW-04-PD-A-R1		MPW-04-PD-B-R1	
						11/27/2007 195 to 205 ft bgs		11/27/2007 195 to 205 ft bgs		11/27/2007 150 to 160 ft bgs		11/27/2007 170 to 180 ft bgs	
	<b>Volatile Organic Compounds</b>												
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethane	LDL VOC	ug/L		5	0.21	J #	0.57	#	0.45	J #	0.5	U
75-01-4	Vinyl Chloride	LDL VOC	ug/L		2	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-64-1	Acetone	LDL VOC	ug/L		50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	LDL VOC	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
79-20-9	Methyl Acetate	LDL VOC	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L		10	0.5	U	0.5	U	1.5	#	7.9	#
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5	U	0.5	U	1	#	1.5	#
78-93-3	2-Butanone	LDL VOC	ug/L		50	5	U	5	U	5	U	5	U
74-97-5	Chlorobromomethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	LDL VOC	ug/L		7	0.5	U	0.5	U	0.5	U	0.5	U
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
110-82-7	Cyclohexane	LDL VOC	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
71-43-2	Benzene	LDL VOC	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L		0.6	0.5	U	0.5	U	0.5	U	0.5	U
79-01-6	Trichloroethene	LDL VOC	ug/L		5	1.7	#	2.2	#	15	A	79	A
108-87-2	Methylcyclohexane	LDL VOC	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	LDL VOC	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L		50	5	U	5	U	5	U	5	U
108-88-3	Toluene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.38	J #	0.5	U
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
127-18-4	Tetrachloroethene	LDL VOC	ug/L		5	0.5	U	0.5	U	6	A	40	A
591-78-6	2-Hexanone	LDL VOC	ug/L		50	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	LDL VOC	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L		0.0006	0.5	U	0.5	U	0.5	U	0.5	U

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Mett	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-03-PD-B-R1		MPW-03-PD-B-R1-DUP MPW-33-PD-B-R1		MPW-04-PD-A-R1		MPW-04-PD-B-R1	
						11/27/2007 195 to 205 ft bgs		11/27/2007 195 to 205 ft bgs		11/27/2007 150 to 160 ft bgs		11/27/2007 170 to 180 ft bgs	
108-90-7	Chlorobenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	LDL VOC	ug/L		N/A	0.5	U	0.5	U	0.22 J	~	0.5	U
100-42-5	Styrene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	LDL VOC	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L		0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Wet Chemistry</b>													
7440-32-6	Titanium	SW6010B-T	ug/L		N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L		0.12	0.17	A	0.24	A	0.16	A	1.6	A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-04-PD-C-R1		MPW-04-PD-D-R1		MPW-04-PD-E-R1		MPW-10-PD-A-R1	
						11/27/2007 200 to 210 ft bgs		11/27/2007 220 to 230 ft bgs		11/27/2007 240 to 250 ft bgs		11/27/2007 160 to 170 ft bgs	
	<b>Volatile Organic Compounds</b>												
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethane	LDL VOC	ug/L		5	0.35	J #	0.24	J #	0.28	J #	0.46	J #
75-01-4	Vinyl Chloride	LDL VOC	ug/L		2	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L		5	0.5	U	0.21	J #	0.82	J #	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-64-1	Acetone	LDL VOC	ug/L		50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	LDL VOC	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
79-20-9	Methyl Acetate	LDL VOC	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L		10	1.1	J #	2	J #	1.4	J #	1.4	J #
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L		5	0.5	U	0.42	J #	2.3	J #	0.36	J #
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L		5	0.42	J #	1	J #	0.35	J #	0.46	J #
78-93-3	2-Butanone	LDL VOC	ug/L		50	5	U	5	U	5	U	5	U
74-97-5	Chlorobromomethane	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	LDL VOC	ug/L		7	0.5	U	0.5	U	0.65	J #	0.5	U
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L		5	0.5	U	0.72	J #	2.1	J #	0.46	J #
110-82-7	Cyclohexane	LDL VOC	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
71-43-2	Benzene	LDL VOC	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L		0.6	0.5	U	0.5	U	0.5	U	0.5	U
79-01-6	Trichloroethene	LDL VOC	ug/L		5	5.3	A	45	A	9.8	A	17	A
108-87-2	Methylcyclohexane	LDL VOC	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	LDL VOC	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L		50	5	U	5	U	5	U	5	U
108-88-3	Toluene	LDL VOC	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
127-18-4	Tetrachloroethene	LDL VOC	ug/L		5	0.64	J #	11	A	3	J #	5.7	A
591-78-6	2-Hexanone	LDL VOC	ug/L		50	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	LDL VOC	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L		0.0006	0.5	U	0.5	U	0.5	U	0.5	U

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Metr Unit	Sample Code Sample Name Sample Date Depth	Site-specific-GW	MPW-04-PD-C-R1		MPW-04-PD-D-R1		MPW-04-PD-E-R1		MPW-10-PD-A-R1	
					11/27/2007 200 to 210 ft bgs		11/27/2007 220 to 230 ft bgs		11/27/2007 240 to 250 ft bgs		11/27/2007 160 to 170 ft bgs	
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Wet Chemistry</b>												
7440-32-6	Titanium	SW6010B-Ti	ug/L	N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	2.8	A	2.2	A	0.37	A	0.12	#

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Metr Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-10-PD-B-R1		MPW-10-PD-C-R1		MPW-10-PD-D-R1		FG-01-PD-R1	
					11/27/2007 185 to 195 ft bgs		11/27/2007 215 to 225 ft bgs		11/27/2007 235 to 245 ft bgs		11/28/2007 190 to 200 ft bgs	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	LDL VOC ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	LDL VOC ug/L		5	0.5 U		0.33 J #		0.31 J #		0.47 J #	
75-01-4	Vinyl Chloride	LDL VOC ug/L		2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	LDL VOC ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	LDL VOC ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	LDL VOC ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	LDL VOC ug/L		5	0.5 U		0.28 J #		0.41 J #		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	LDL VOC ug/L		50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	LDL VOC ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	LDL VOC ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	LDL VOC ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC ug/L		10	2.9 #		1.1 #		0.39 J #		0.49 J #	
75-34-3	1,1-Dichloroethane	LDL VOC ug/L		5	0.26 J #		0.8 #		1.9 #		0.5 U	
156-59-2	cis-1,2-Dichloroethene	LDL VOC ug/L		5	1.3 #		1.8 #		0.5 U		0.5 U	
78-93-3	2-Butanone	LDL VOC ug/L		50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	LDL VOC ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	LDL VOC ug/L		7	0.5 U		0.52 #		0.5 J #		9.9 A	
71-55-6	1,1,1-Trichloroethane	LDL VOC ug/L		5	0.47 J #		0.98 #		1.9 #		0.5 U	
110-82-7	Cyclohexane	LDL VOC ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	LDL VOC ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	LDL VOC ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	LDL VOC ug/L		0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	LDL VOC ug/L		5	58 A		30 A		1.3 #		0.5 U	
108-87-2	Methylcyclohexane	LDL VOC ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	LDL VOC ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	LDL VOC ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC ug/L		0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	LDL VOC ug/L		50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	LDL VOC ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC ug/L		0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	LDL VOC ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	LDL VOC ug/L		5	23 A		14 A		0.67 #		0.54 #	
591-78-6	2-Hexanone	LDL VOC ug/L		50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	LDL VOC ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	LDL VOC ug/L		0.0006	0.5 U		0.5 U		0.5 U		0.5 U	



**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-10-PD-B-R1			MPW-10-PD-C-R1			MPW-10-PD-D-R1			FG-01-PD-R1		
					11/27/2007 185 to 195 ft bgs			11/27/2007 215 to 225 ft bgs			11/27/2007 235 to 245 ft bgs			11/28/2007 190 to 200 ft bgs		
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Wet Chemistry</b>																
7440-32-6	Titanium	SW6010B-Ti	ug/L	N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	1	A		1.6	A		0.36	A		0.15	A	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date Site-specific-GW	MPW-03-PD-A-R1			MPW-03-PD-C-R1			MPW-03-PD-D-R1			MPW-05-PD-A-R1		
					11/28/2007 175 to 185 ft bgs			11/28/2007 215 to 225 ft bgs			11/28/2007 235 to 245 ft bgs			11/28/2007 160 to 170 ft bgs		
	<b>Volatile Organic Compounds</b>															
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
74-87-3	Chloromethane	LDL VOC	ug/L	5	0.25	J	#	0.5	U		0.5	U		0.5	U	
75-01-4	Vinyl Chloride	LDL VOC	ug/L	2	0.5	U		0.5	U		0.5	U		0.5	U	
74-83-9	Bromomethane	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-00-3	Chloroethane	LDL VOC	ug/L	5	0.5	U		0.5	U		1.4	#		0.5	U	
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.21	J	#	0.5	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
67-64-1	Acetone	LDL VOC	ug/L	50	5	U		5	U		5	U		5	U	
75-15-0	Carbon Disulfide	LDL VOC	ug/L	50	0.5	U		0.5	U		0.5	U		0.29	J	#
79-20-9	Methyl Acetate	LDL VOC	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
75-09-2	Methylene Chloride	LDL VOC	ug/L	5	0.5	U		0.5	U		0.23	J	#	0.5	U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L	5	0.5	UJ		0.5	U		0.5	U		0.5	UJ	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L	10	0.4	J	#	0.58	#		0.5	U		2.4	#	
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L	5	0.5	U		0.49	J	#	0.57	J	#	0.5	U	
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L	5	0.5	UJ		0.55	#		0.32	J	#	0.5	UJ	
78-93-3	2-Butanone	LDL VOC	ug/L	50	5	U		5	U		5	U		5	U	
74-97-5	Chlorobromomethane	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
67-66-3	Chloroform	LDL VOC	ug/L	7	0.2	J	#	0.5	U		0.5	U		0.5	U	
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L	5	0.5	U		0.44	J	#	0.5	U		0.5	U	
110-82-7	Cyclohexane	LDL VOC	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
71-43-2	Benzene	LDL VOC	ug/L	1	0.5	U		0.5	U		0.5	U		0.5	U	
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L	0.6	0.5	U		0.5	U		0.5	U		0.5	U	
79-01-6	Trichloroethene	LDL VOC	ug/L	5	0.5	U		11	A		0.69	#		0.5	U	
108-87-2	Methylcyclohexane	LDL VOC	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L	1	0.5	U		0.5	U		0.5	U		0.5	U	
75-27-4	Bromodichloromethane	LDL VOC	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5	U		0.5	U		0.5	U		0.5	U	
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L	50	5	U		5	U		5	U		5	U	
108-88-3	Toluene	LDL VOC	ug/L	5	0.5	U		0.5	U		2.2	#		0.77	#	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5	U		0.5	U		0.5	U		0.5	U	
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L	1	0.5	U		0.5	U		0.5	U		0.5	U	
127-18-4	Tetrachloroethene	LDL VOC	ug/L	5	0.5	U		0.47	J	#	0.5	U		0.5	U	
591-78-6	2-Hexanone	LDL VOC	ug/L	50	5	U		5	U		5	U		5	U	
124-48-1	Dibromochloromethane	LDL VOC	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L	0.0006	0.5	U		0.5	U		0.5	U		0.5	U	

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-03-PD-A-R1			MPW-03-PD-C-R1			MPW-03-PD-D-R1			MPW-05-PD-A-R1		
						11/28/2007 175 to 185 ft bgs			11/28/2007 215 to 225 ft bgs			11/28/2007 235 to 245 ft bgs			11/28/2007 160 to 170 ft bgs		
108-90-7	Chlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L		0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Wet Chemistry</b>																	
7440-32-6	Titanium	SW6010B-T	ug/L		N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L		0.12	0.23		A	0.74		A	0.22		A	0.13		A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

Table F-1  
Groundwater Sampling - Round 1  
Full Data Table  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

Cas Rn	Chemical Name	Analytic Methyl Unit \\ Depth	Sample Code	Sample Name	Sample Date
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L	5	0.5 U
74-87-3	Chloromethane	LDL VOC	ug/L	5	0.5 U
75-01-4	Vinyl Chloride	LDL VOC	ug/L	2	0.5 U
74-83-9	Bromomethane	LDL VOC	ug/L	5	0.5 U
75-00-3	Chloroethane	LDL VOC	ug/L	5	0.5 U
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L	5	0.5 U
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L	5	0.5 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L	5	0.5 U
67-64-1	Acetone	LDL VOC	ug/L	50	5 U
75-15-0	Carbon Disulfide	LDL VOC	ug/L	50	5 U
79-20-9	Methyl Acetate	LDL VOC	ug/L	N/A	0.5 U
75-09-2	Methylene Chloride	LDL VOC	ug/L	5	0.5 U
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L	5	0.5 U
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L	10	0.5 U
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L	5	0.5 U
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L	5	0.5 U
78-93-3	2-Butanone	LDL VOC	ug/L	50	5 U
74-97-5	Chlorobromomethane	LDL VOC	ug/L	5	0.5 U
67-66-3	Chloroform	LDL VOC	ug/L	7	0.5 U
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L	5	0.5 U
110-82-7	Cyclohexane	LDL VOC	ug/L	N/A	0.5 U
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L	5	0.5 U
71-43-2	Benzene	LDL VOC	ug/L	1	0.5 U
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L	0.6	0.5 U
79-01-6	Trichloroethene	LDL VOC	ug/L	5	0.77 #
108-87-2	Methylocyclohexane	LDL VOC	ug/L	N/A	0.5 U
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L	1	0.5 U
75-27-4	Bromodichloromethane	LDL VOC	ug/L	50	0.5 U
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5 U
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L	50	5 U
108-88-3	Toluene	LDL VOC	ug/L	5	0.21 J #
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5 U
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L	1	0.5 U
127-18-4	Tetrachloroethene	LDL VOC	ug/L	5	0.5 U
591-78-6	2-Hexanone	LDL VOC	ug/L	50	5 U
124-48-1	Dibromochloromethane	LDL VOC	ug/L	50	0.5 U
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L	0.0006	0.5 U
Volatiles Organic Compounds					
MPW-05-PD-B-R1	11/28/2007	185 to 195 ft bgs	MPW-05-PD-B-R1	11/28/2007	185 to 195 ft bgs
MPW-08-PD-A-R1	11/28/2007	25 to 35 ft bgs	MPW-08-PD-A-R1	11/28/2007	25 to 35 ft bgs
MPW-08-PD-B-R1	11/28/2007	45 to 55 ft bgs	MPW-08-PD-B-R1	11/28/2007	45 to 55 ft bgs
MPW-08-PD-C-R1	11/28/2007	75 to 85 ft bgs	MPW-08-PD-C-R1	11/28/2007	75 to 85 ft bgs

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-05-PD-B-R1		MPW-08-PD-A-R1		MPW-08-PD-B-R1		MPW-08-PD-C-R1	
					11/28/2007 185 to 195 ft bgs		11/28/2007 25 to 35 ft bgs		11/28/2007 45 to 55 ft bgs		11/28/2007 75 to 85 ft bgs	
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Wet Chemistry</b>												
7440-32-6	Titanium	SW6010B-T	ug/L	N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.18	A	0.082	#	0.15	A	0.11	#

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-08-PD-D-R1		MPW-08-PD-E-R1		MW-05-PD-R1		MPW-05-PD-C-R1	
					11/28/2007 95 to 105 ft bgs		11/28/2007 115 to 125 ft bgs		11/28/2007 180 to 195 ft bgs		11/29/2007 205 to 215 ft bgs	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-01-4	Vinyl Chloride	LDL VOC	ug/L	2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L	5	0.5 UJ		0.5 UJ		0.5 UJ		0.5 UJ	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L	10	0.5 U		0.5 U		0.5 U		0.5 U	
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L	5	0.31 J	#	0.5 U		0.5 U		0.33 J	#
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L	5	0.88 J	#	0.33 J	#	0.5 UJ		0.5 UJ	
78-93-3	2-Butanone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	LDL VOC	ug/L	7	0.5 U		0.5 U		0.5 U		0.5 U	
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L	5	0.22 J	#	0.5 U		0.5 U		0.41 J	#
110-82-7	Cyclohexane	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	LDL VOC	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	LDL VOC	ug/L	5	30	A	13	A	1	#	6.7	A
108-87-2	Methylcyclohexane	LDL VOC	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	LDL VOC	ug/L	5	0.5 U		0.5 U		0.52	#	0.35 J	#
591-78-6	2-Hexanone	LDL VOC	ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	LDL VOC	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-08-PD-D-R1			MPW-08-PD-E-R1			MW-05-PD-R1			MPW-05-PD-C-R1		
					11/28/2007 95 to 105 ft bgs			11/28/2007 115 to 125 ft bgs			11/28/2007 180 to 195 ft bgs			11/29/2007 205 to 215 ft bgs		
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Wet Chemistry</b>																
7440-32-6	Titanium	SW6010B-Ti	ug/L	N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.16		A	0.13		A	0.085		#	0.19		A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-05-PD-D-R1			MPW-06-PD-A-R1			MPW-06-PD-B-R1			MPW-06-PD-C-R1		
						11/29/2007 225 to 235 ft bgs			11/29/2007 65 to 75 ft bgs			11/29/2007 90 to 100 ft bgs			11/29/2007 115 to 125 ft bgs		
	<b>Volatile Organic Compounds</b>																
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
74-87-3	Chloromethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-01-4	Vinyl Chloride	LDL VOC	ug/L		2	0.5	U		0.5	U		0.5	U		0.5	U	
74-83-9	Bromomethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-00-3	Chloroethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.22	J	#
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
67-64-1	Acetone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
75-15-0	Carbon Disulfide	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
79-20-9	Methyl Acetate	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
75-09-2	Methylene Chloride	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5	UJ		0.5	UJ		0.5	UJ		0.5	UJ	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L		10	0.5	U		0.5	U		0.28	J	#	0.5	U	
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L		5	0.5	J	#	0.5	U		0.5	U		0.45	J	#
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5	UJ		0.5	UJ		0.5	UJ		0.5	UJ	
78-93-3	2-Butanone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
74-97-5	Chlorobromomethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
67-66-3	Chloroform	LDL VOC	ug/L		7	0.5	U		0.5	U		0.5	U		0.5	U	
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L		5	0.59		#	0.5	U		0.5	U		0.45	J	#
110-82-7	Cyclohexane	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
71-43-2	Benzene	LDL VOC	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L		0.6	0.5	U		0.5	U		0.5	U		0.5	U	
79-01-6	Trichloroethene	LDL VOC	ug/L		5	8		A	1.2		#	0.52		#	14		A
108-87-2	Methylcyclohexane	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
75-27-4	Bromodichloromethane	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U		0.5	U		0.5	U		0.5	U	
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
108-88-3	Toluene	LDL VOC	ug/L		5	0.5	U		2		#	1.7		#	0.5	U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U		0.5	U		0.5	U		0.5	U	
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
127-18-4	Tetrachloroethene	LDL VOC	ug/L		5	0.43	J	#	0.5	U		0.5	U		0.21	J	#
591-78-6	2-Hexanone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
124-48-1	Dibromochloromethane	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L		0.0006	0.5	U		0.5	U		0.5	U		0.5	U	



**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-05-PD-D-R1			MPW-06-PD-A-R1			MPW-06-PD-B-R1			MPW-06-PD-C-R1		
					11/29/2007 225 to 235 ft bgs			11/29/2007 65 to 75 ft bgs			11/29/2007 90 to 100 ft bgs			11/29/2007 115 to 125 ft bgs		
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Wet Chemistry</b>																
7440-32-6	Titanium	SW6010B-Ti	ug/L	N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.18		A	0.29		A	0.17		A	0.15		A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Gas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-06-PD-D-R1			MPW-07-PD-C-R1			MPW-07-PD-C-R1-DUP MPW-77-PD-C-R1			MPW-09-PD-A-R1		
						11/29/2007 160 to 170 ft bgs			11/29/2007 250 to 260 ft bgs			11/29/2007 260 to 260 ft bgs			11/29/2007 10 to 20 ft bgs		
	<b>Volatile Organic Compounds</b>																
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
74-87-3	Chloromethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-01-4	Vinyl Chloride	LDL VOC	ug/L		2	0.5	U		0.5	U		0.5	U		0.5	U	
74-83-9	Bromomethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-00-3	Chloroethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.25	J	#
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
67-64-1	Acetone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
75-15-0	Carbon Disulfide	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
79-20-9	Methyl Acetate	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
75-09-2	Methylene Chloride	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L		10	0.5	U		0.5	U		0.5	U		0.5	U	
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L		5	0.23	J	#	0.52	J	#	0.52	J	#	0.78	J	#
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L		5	0.36	J	#	0.5	U		0.5	U		1.7	J	#
78-93-3	2-Butanone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
74-97-5	Chlorobromomethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
67-66-3	Chloroform	LDL VOC	ug/L		7	0.5	U		0.86	J	#	0.84	J	#	0.5	U	
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L		5	0.5	U		0.49	J	#	0.44	J	#	0.86	J	#
110-82-7	Cyclohexane	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
71-43-2	Benzene	LDL VOC	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L		0.6	0.5	U		0.5	U		0.5	U		0.5	U	
79-01-6	Trichloroethene	LDL VOC	ug/L		5	9.8	A		0.59	J	#	0.53	J	#	54	A	
108-87-2	Methylcyclohexane	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
75-27-4	Bromodichloromethane	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U		0.5	U		0.5	U		0.5	U	
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
108-88-3	Toluene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U		0.5	U		0.5	U		0.5	U	
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
127-18-4	Tetrachloroethene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.64	J	#
591-78-6	2-Hexanone	LDL VOC	ug/L		50	5	U		5	U		5	U		5	U	
124-48-1	Dibromochloromethane	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L		0.0006	0.5	U		0.5	U		0.5	U		0.5	U	

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-06-PD-D-R1			MPW-07-PD-C-R1			MPW-07-PD-C-R1-DUP MPW-77-PD-C-R1			MPW-09-PD-A-R1		
						11/29/2007 160 to 170 ft bgs			11/29/2007 250 to 260 ft bgs			11/29/2007 260 to 260 ft bgs			11/29/2007 10 to 20 ft bgs		
108-90-7	Chlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	LDL VOC	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L		0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Wet Chemistry</b>																	
7440-32-6	Titanium	SW6010B-T	ug/L		N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L		0.12	0.12	#		20	A		20	A		0.11	#	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Mett	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-09-PD-B-R1		MPW-09-PD-C-R1		MPW-09-PD-D-R1		MPW-09-PD-E-R1	
					11/29/2007 45 to 55 ft bgs		11/29/2007 70 to 80 ft bgs		11/29/2007 90 to 100 ft bgs		11/29/2007 125 to 135 ft bgs	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethane	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-01-4	Vinyl Chloride	LDL VOC	ug/L	2	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethane	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L	5	0.61	#	0.53	#	0.5	U	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
67-64-1	Acetone	LDL VOC	ug/L	50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	LDL VOC	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
79-20-9	Methyl Acetate	LDL VOC	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L	10	0.5	U	0.5	U	0.5	U	0.5	U
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L	5	1.7	#	1.8	#	0.42	J #	0.86	#
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L	5	7.2	A	14	A	10	A	0.59	#
78-93-3	2-Butanone	LDL VOC	ug/L	50	5	U	5	U	5	U	5	U
74-97-5	Chlorobromomethane	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	LDL VOC	ug/L	7	0.5	U	0.5	U	0.52	U	0.51	#
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L	5	1.5	#	1.3	#	0.24	J #	0.59	#
110-82-7	Cyclohexane	LDL VOC	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
71-43-2	Benzene	LDL VOC	ug/L	1	0.5	U	0.5	U	0.5	U	0.5	U
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L	0.6	0.5	U	0.5	U	0.5	U	0.5	U
79-01-6	Trichloroethene	LDL VOC	ug/L	5	280	A	580	A	470	A	67	A
108-87-2	Methylcyclohexane	LDL VOC	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L	1	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	LDL VOC	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5	U	0.5	U	0.5	U	0.5	U
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L	50	5	U	5	U	5	U	5	U
108-88-3	Toluene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L	0.4	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L	1	0.5	U	0.22	J #	0.53	#	0.5	U
127-18-4	Tetrachloroethene	LDL VOC	ug/L	5	5	#	4.6	#	1.2	#	0.65	#
591-78-6	2-Hexanone	LDL VOC	ug/L	50	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	LDL VOC	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L	0.0006	0.5	U	0.5	U	0.5	U	0.5	U

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Metr Unit	Sample Code Sample Name Sample Date \\ Depth	Site-specific-GW	MPW-09-PD-B-R1		MPW-09-PD-C-R1		MPW-09-PD-D-R1		MPW-09-PD-E-R1	
					11/29/2007 45 to 55 ft bgs		11/29/2007 70 to 80 ft bgs		11/29/2007 90 to 100 ft bgs		11/29/2007 125 to 135 ft bgs	
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Wet Chemistry</b>												
7440-32-6	Titanium	SW6010B-T	ug/L	N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.16	A	0.16	A	0.16	A	0.17	A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

				Sample Code	Site-specific-GW	MPW-07-PD-A-R1		MPW-07-PD-B-R1	
				Sample Name		11/30/2007		1/4/2008	
				Sample Date		201.5 to 211.5 ft bgs		220 to 230 ft bgs	
Gas Rn	Chemical Name	Analytic Meth	Unit \ Depth						
Volatile Organic Compounds									
75-71-8	Dichlorodifluoromethane	LDL VOC	ug/L		5	0.5	U		0.5 U
74-87-3	Chloromethane	LDL VOC	ug/L		5	0.5	U		0.5 U
75-01-4	Vinyl Chloride	LDL VOC	ug/L		2	0.5	U		0.5 U
74-83-9	Bromomethane	LDL VOC	ug/L		5	0.5	U		0.5 U
75-00-3	Chloroethane	LDL VOC	ug/L		5	0.5	U		0.5 U
75-69-4	Trichlorofluoromethane	LDL VOC	ug/L		5	0.5	U		0.5 U
75-35-4	1,1-Dichloroethene	LDL VOC	ug/L		5	0.5	U		0.5 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	LDL VOC	ug/L		5	0.5	U		0.5 U
67-64-1	Acetone	LDL VOC	ug/L		50	5	U		5 U
75-15-0	Carbon Disulfide	LDL VOC	ug/L		50	0.5	U		0.5 U
79-20-9	Methyl Acetate	LDL VOC	ug/L		N/A	0.5	U		0.5 U
75-09-2	Methylene Chloride	LDL VOC	ug/L		5	0.5	U		0.5 U
156-60-5	trans-1,2-Dichloroethene	LDL VOC	ug/L		5	0.5	UJ		0.5 U
1634-04-4	Methyl tert-Butyl Ether	LDL VOC	ug/L		10	0.6	#		0.52 #
75-34-3	1,1-Dichloroethane	LDL VOC	ug/L		5	0.5	U		0.5 U
156-59-2	cis-1,2-Dichloroethene	LDL VOC	ug/L		5	1.1	J #		0.96 #
78-93-3	2-Butanone	LDL VOC	ug/L		50	5	U		5 U
74-97-5	Chlorobromomethane	LDL VOC	ug/L		5	0.5	U		0.5 U
67-66-3	Chloroform	LDL VOC	ug/L		7	0.23	J #		0.5 U
71-55-6	1,1,1-Trichloroethane	LDL VOC	ug/L		5	0.24	J #		0.12 J #
110-82-7	Cyclohexane	LDL VOC	ug/L		N/A	0.5	U		0.5 U
56-23-5	Carbon Tetrachloride	LDL VOC	ug/L		5	0.5	U		0.5 U
71-43-2	Benzene	LDL VOC	ug/L		1	0.5	U		0.5 U
107-06-2	1,2-Dichloroethane	LDL VOC	ug/L		0.6	0.5	U		0.5 U
79-01-6	Trichloroethene	LDL VOC	ug/L		5	1100	A		620 A
108-87-2	Methylcyclohexane	LDL VOC	ug/L		N/A	0.5	U		0.5 U
78-87-5	1,2-Dichloropropane	LDL VOC	ug/L		1	0.5	U		0.5 U
75-27-4	Bromodichloromethane	LDL VOC	ug/L		50	0.5	U		0.5 U
10061-01-5	cis-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U		0.5 U
108-10-1	4-Methyl-2-pentanone	LDL VOC	ug/L		50	5	U		5 U
108-88-3	Toluene	LDL VOC	ug/L		5	0.5	U		0.5 U
10061-02-6	trans-1,3-Dichloropropene	LDL VOC	ug/L		0.4	0.5	U		0.5 U
79-00-5	1,1,2-Trichloroethane	LDL VOC	ug/L		1	0.5	U		0.16 J #
127-18-4	Tetrachloroethene	LDL VOC	ug/L		5	14	A		5.9 A
591-78-6	2-Hexanone	LDL VOC	ug/L		50	5	U		5 U
124-48-1	Dibromochloromethane	LDL VOC	ug/L		50	0.5	U		0.5 U
106-93-4	1,2-Dibromoethane	LDL VOC	ug/L		0.0006	0.5	U		0.5 U

**Table F-1**  
**Groundwater Sampling - Round 1**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Meth	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-07-PD-A-R1			MPW-07-PD-B-R1		
					11/30/2007 201.5 to 211.5 ft bgs			1/4/2008 220 to 230 ft bgs		
108-90-7	Chlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U	
100-41-4	Ethylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U	
179601-23-1	m,p-Xylene	LDL VOC	ug/L	N/A	0.5	U		0.5	U	
100-42-5	Styrene	LDL VOC	ug/L	5	0.5	U		0.5	U	
75-25-2	Bromoform	LDL VOC	ug/L	50	0.5	U		0.5	U	
98-82-8	Isopropylbenzene	LDL VOC	ug/L	5	0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	LDL VOC	ug/L	5	0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	LDL VOC	ug/L	3	0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	LDL VOC	ug/L	0.04	0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	LDL VOC	ug/L	5	0.5	U		0.5	U	
<b>Wet Chemistry</b>										
7440-32-6	Titanium	SW6010B-Ti	ug/L	N/A	10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	36	A		24	A	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
LDL VOC Low Detection Limit Volatile Organic Analyte - Aqueous

**Table F-1a**  
**MPW-02 Resample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

			Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-02-PORT1	MPW-02-PORT2	MPW-02-PORT3	MPW-02-PORT4
Cas Rn	Chemical Name	Analytic Method			3/6/2008 25.85 ft amsl	3/11/2008 3.35 ft amsl	3/11/2008 -24.15 ft amsl	3/11/2008 -48.65 ft amsl
Volatile Organic Compounds								
67-64-1	Acetone	SW8260B	ug/L	50	5 UL	5 UJ	5 UJ	5 UJ
71-43-2	Benzene	SW8260B	ug/L	1	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
75-25-2	Bromoform	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	SW8260B	ug/L	5	6 U	5 UJ	5 UJ	5 UJ
78-93-3	2-Butanone	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	SW8260B	ug/L	5	5 U	5 UJ	5 UJ	5 UJ
67-66-3	Chloroform	SW8260B	ug/L	7	5 U	5 U	5 U	5 U
74-87-3	Chloromethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5 U	5 U	5 U	5 U
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5 U	5 U	5 U	5 U
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5 U	5 U	5 U	5 U
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5 U	5 U	5 U	5 U
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5 U	5 U	5 U	5 U
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5 U	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5 U	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U	5 U	5 U	5 U
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5 U	5 U	5 U	5 U
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	5 U	5 U	5 U	5 U
100-42-5	Styrene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U



**Table F-1a**  
**MPW-02 Resample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

			Sample Code Sample Name Sample Date	Site-specific-GW	MPW-02-PORT1		MPW-02-PORT2		MPW-02-PORT3		MPW-02-PORT4	
Cas Rn	Chemical Name	Analytic Method	Unit \ Depth		3/6/2008 25.85 ft amsl	3/11/2008 3.35 ft amsl	3/11/2008 -24.15 ft amsl	3/11/2008 -48.65 ft amsl				
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	5 U	A	5 U	5 U	5 U	5 U		
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	25		5 U	5 U	5 U	5 U		
108-88-3	Toluene	SW8260B	ug/L	5	5 U		5 U	5 U	5 U	5 U		
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	5 U		5 U	5 U	5 U	5 U		
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	5 U	A	5 U	5 U	5 U	5 U		
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	5 U		5 U	5 U	5 U	5 U		
79-01-6	Trichloroethene	SW8260B	ug/L	5	550		5 U	6	A	5 U		
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	5 U		5 U	5 U	5 U	5 U		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	5 U		5 U	5 U	5 U	5 U		
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	5 U		5 U	5 U	5 U	5 U		
1330-20-7	Xylenes (total)	SW8260B	ug/L	5	5 U		5 U	5 U	5 U	5 U		

**Table F-1a**  
**MPW-02 Resample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-02-PORT1		MPW-02-PORT2		MPW-02-PORT3		MPW-02-PORT4	
					3/6/2008 190 to 200 ft bgs		3/11/2008 215 to 225 ft bgs		3/11/2008 240 to 250 ft bgs		3/11/2008 240 to 250 ft bgs	
	<b>Volatile Organic Compounds</b>											
67-64-1	Acetone	SW8260B	ug/L	50	5 U	UL	5 U	UJ	5 U	UJ	5 U	UJ
71-43-2	Benzene	SW8260B	ug/L	1	5 U		5 U		5 U		5 U	
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
75-25-2	Bromoform	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
74-83-9	Bromomethane	SW8260B	ug/L	5	6 U		5 U	UJ	5 U	UJ	5 U	UJ
78-93-3	2-Butanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
75-00-3	Chloroethane	SW8260B	ug/L	5	5 U		5 U	UJ	5 U	UJ	5 U	UJ
67-66-3	Chloroform	SW8260B	ug/L	7	5 U		5 U		5 U		5 U	
74-87-3	Chloromethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5 U		5 U		5 U		5 U	
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5 U		5 U		5 U		5 U	
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5 U		5 U		5 U		5 U	
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5 U		5 U		5 U		5 U	
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U		5 U		5 U		5 U	
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U		5 U		5 U		5 U	
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
591-78-6	2-Hexanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	5 U		5 U		5 U		5 U	
100-42-5	Styrene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	

**Table F-1a**  
**MPW-02 Resample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-02-PORT1			MPW-02-PORT2			MPW-02-PORT3			MPW-02-PORT4		
					3/6/2008 190 to 200 ft bgs			3/11/2008 215 to 225 ft bgs			3/11/2008 240 to 250 ft bgs			3/11/2008 240 to 250 ft bgs		
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	5	U	A	5	U		5	U		5	U	
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	25			5	U		5	U		5	U	
108-88-3	Toluene	SW8260B	ug/L	5	5	U		5	U		5	U		5	U	
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	5	U		5	U		5	U		5	U	
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	5	U	A	5	U		5	U		5	U	
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	5	U		5	U		5	U		5	U	
79-01-6	Trichloroethene	SW8260B	ug/L	5	550			5	U		6		A	5	U	
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	5	U		5	U		5	U		5	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	5	U		5	U		5	U		5	U	
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	5	U		5	U		5	U		5	U	
1330-20-7	Xylenes (total)	SW8260B	ug/L	5	5	U		5	U		5	U		5	U	

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-16-A	SBD-PD-16-B	SBD-PD-16-B-DUP SBD-PD-61-B	SBD-PD-16-C	SBD-PD-16-D	SBD-PD-16-E
					12/27/2007 8 to 10 ft bgs	12/27/2007 18 to 20 ft bgs	12/27/2007 18 to 20 ft bgs	12/27/2007 28 to 30 ft bgs	12/27/2007 38 to 40 ft bgs	12/27/2007 48 to 50 ft bgs
	<b>Volatile Organic Compounds</b>									
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	14 U	10 U	9.2 U	82 U	14 U	9.5 U
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	9.9 U	7.6 U	9.2 U	7.5 U	9.2 U	9.5 U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	1.1 J #	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	1.9 J #	1.9 J #	2.5 J #	5.1 #	2 J #	1.8 J #
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.5 U	1.9 U	2.3 U	1.9 U	2.3 U	2.4 U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	9.9 U	7.6 U	9.2 U	7.5 U	9.2 U	9.5 U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	1 J #	0.77 J #	0.96 J #	3.7 U	4.6 U	4.7 U
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.5 U	1.9 U	2.3 U	1.9 U	2.3 U	2.4 U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	9.9 U	7.6 U	9.2 U	7.5 U	9.2 U	9.5 U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	4.9 U	3.8 U	4.6 U	3.7 U	4.6 U	4.7 U

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-16-A		SBD-PD-16-B		SBD-PD-16-B-DUP SBD-PD-61-B		SBD-PD-16-C		SBD-PD-16-D		SBD-PD-16-E	
					12/27/2007	8 to 10 ft bgs	12/27/2007	18 to 20 ft bgs	12/27/2007	18 to 20 ft bgs	12/27/2007	28 to 30 ft bgs	12/27/2007	38 to 40 ft bgs	12/27/2007	48 to 50 ft bgs
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	4.9 U		3.8 U		4.6 U		3.7 U		4.6 U		4.7 U	
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	4.9 U		3.8 U		4.6 U		3.7 U		4.6 U		4.7 U	
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	4.9 U		3.8 U		4.6 U		3.7 U		4.6 U		4.7 U	
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	4.9 U		3.8 U		4.6 U		3.7 U		4.6 U		4.7 U	
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	4.9 U		3.8 U		4.6 U		3.7 U		4.6 U		4.7 U	
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2.5 U		1.9 U		2.3 U		1.9 U		2.3 U		2.4 U	
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	4.9 U		3.8 U		4.6 U		3.7 U		4.6 U		4.7 U	
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.9 U		3.8 U		4.6 U		3.7 U		4.6 U		4.7 U	
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	4.9 U		3.8 U		4.6 U		3.7 U		4.6 U		4.7 U	
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	4.9 U		3.8 U		4.6 U		3.7 U		4.6 U		4.7 U	
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.9 U		3.8 U		4.6 U		3.7 U		4.6 U		4.7 U	
<b>Wet Chemistry</b>																
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	310 J ~		340 J ~		370 J ~		300 J ~		260 J ~		330 J ~	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Gas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-16-F		SBD-PD-16-G		SBD-PD-16-J		SBD-PD-16-K		SBD-PD-16-L		SBD-PD-16-M	
					12/27/2007 58 to 60 ft bgs		12/27/2007 70 to 72 ft bgs		12/28/2007 98 to 100 ft bgs		12/28/2007 108 to 110 ft bgs		12/28/2007 118 to 120 ft bgs		12/28/2007 128 to 130 ft bgs	
	<b>Volatile Organic Compounds</b>															
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	17 U		17 U		60 U		60 U		240 U	A	60 U	#
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	9.3 U		9.6 U		9.8 U		9.5 U		10 U		9 U	
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	4.6 U		4.8 U		4.9 U		4.8 U	UJ	5.2 UJ		4.5 U	
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	4.6 U		4.8 U		4.9 UJ		4.8 UJ		5.2 UJ		4.5 UJ	
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	2.6 J	#	6.2	#	1.9 J	#	4.8 U		5.2 U		4.5 U	
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	4.6 U		4.8 U		4.9 U		4.8 UJ		5.2 UJ		4.5 U	
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	4.6 U		4.8 U		4.9 U		4.8 UJ		5.2 UJ		4.5 U	
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	4.6 U		4.8 U		4.9 U		4.8 UJ		5.2 UJ		4.5 U	
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.3 U		2.4 U		2.5 U		2.4 U		2.6 U		2.2 U	
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	9.3 U		9.6 U		9.8 U		9.5 U		10 U		9 U	
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	4.6 U		4.8 U		4.9 UJ		4.8 UJ		5.2 UJ		4.5 UJ	
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.3 U		2.4 U		2.5 U		2.4 U		2.6 U		2.2 U	
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	9.3 U		9.6 U		9.8 U		9.5 U		10 U		9 U	
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	4.6 U		4.8 U		4.9 U		4.8 U		5.2 U		4.5 U	

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-16-F	SBD-PD-16-G	SBD-PD-16-J	SBD-PD-16-K	SBD-PD-16-L	SBD-PD-16-M
					12/27/2007 58 to 60 ft bgs	12/27/2007 70 to 72 ft bgs	12/28/2007 98 to 100 ft bgs	12/28/2007 108 to 110 ft bgs	12/28/2007 118 to 120 ft bgs	12/28/2007 128 to 130 ft bgs
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	4.6 U	4.8 U	4.9 U	4.8 U	5.2 U	4.5 U
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	4.6 U	4.8 U	4.9 U	4.8 U	5.2 U	4.5 U
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	4.6 U	4.8 U	4.9 U	4.8 U	5.2 U	4.5 U
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	4.6 U	4.8 U	4.9 U	4.8 U	5.2 U	4.5 U
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	4.6 U	4.8 U	4.9 U	4.8 U	5.2 U	4.5 U
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2.3 U	2.4 U	2.5 U	2.4 U	2.6 U	2.2 U
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	4.6 U	4.8 U	4.9 U	4.8 U	5.2 U	4.5 U
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.6 U	4.8 U	4.9 U	4.8 U	5.2 U	4.5 U
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	4.6 U	4.8 U	4.9 U	4.8 U	5.2 U	4.5 U
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	4.6 U	4.8 U	4.9 U	4.8 U	5.2 U	4.5 U
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.6 U	4.8 U	4.9 U	4.8 U	5.2 U	4.5 U
<b>Wet Chemistry</b>										
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	340 J ~	320 J ~	340 J ~	350 J ~	250 J ~	230 J ~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-16-H	SBD-PD-16-I	SBD-PD-16-N	SBD-PD-16-O	SBD-PD-16-P
					12/28/2007 78 to 80 ft bgs	12/28/2007 88 to 90 ft bgs	1/2/2008 138 to 140 ft bgs	1/2/2008 148 to 150 ft bgs	1/2/2008 158 to 160 ft bgs
	<b>Volatile Organic Compounds</b>								
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	3.9 U	4 U	4.2 U	4.1 U	4.7 U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	3.9 U	4 U	4.2 U	4.1 U	4.7 U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	3.9 U	4 U	4.2 U	4.1 U	4.7 U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	3.9 U	4 U	4.2 U	4.1 U	4.7 U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	3.9 U	4 U	4.2 U	4.1 U	4.7 U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	3.9 U	4 U	4.2 U	4.1 U	4.7 U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	3.9 U	4 U	4.2 U	4.1 U	4.7 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	3.9 U	4 U	4.2 U	4.1 U	4.7 U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	7.7 U	8.1 U	8.4 U	8.3 U	70 #
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	3.9 U	4 U	4.2 U	4.1 U	4.7 U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	3.9 U	4 U	4.2 U	4.1 U	4.7 U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	3.9 U	4 U	4.2 U	4.1 U	4.7 U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	3.9 U	4 U	4.2 U	4.1 U	4.7 U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	3.9 U	4 U	4.2 U	4.1 U	4.7 U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	3.9 U	4 U	4.2 U	4.1 U	4.7 U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	3.9 U	4 U	4.2 U	4.1 U	4.7 U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	7.7 U	8.1 U	8.4 U	8.3 U	9.4 U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	3.9 U	4 U	4.2 U	4.1 U	4.7 U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	3.9 U	4 U	4.2 U	4.1 U	4.7 U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	3.9 UJ	4 UJ	4.2 UJ	4.1 U	4.7 U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	3.9 U	4 U	4.2 U	4.1 U	4.7 U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	3.9 UJ	4 UJ	4.2 UJ	4.1 UJ	4.7 UJ
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	3.9 U	4 U	4.2 U	4.1 U	4.7 U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	3.9 U	4 U	4.2 U	4.1 U	4.7 U
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	3.9 UJ	4 UJ	4.2 UJ	4.1 U	4.7 U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	3.9 UJ	4 UJ	4.2 UJ	4.1 U	4.7 U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	3.9 UJ	4 UJ	4.2 UJ	4.1 U	4.7 U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	1.9 U	2 U	2.1 U	2.1 U	2.4 U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	7.7 U	8.1 U	8.4 U	8.3 U	9.4 U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	3.9 UJ	4 UJ	4.2 UJ	4.1 UJ	4.7 UJ
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	1.9 U	2 U	2.1 U	2.1 U	2.4 U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	3.9 U	4 U	4.2 U	4.1 U	4.7 U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	3.9 U	4 U	4.2 U	4.1 U	4.7 U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	7.7 U	8.1 U	8.4 U	8.3 U	9.4 U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	3.9 U	4 U	4.2 U	4.1 U	4.7 U
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	3.9 U	4 U	4.2 U	4.1 U	4.7 U
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	3.9 U	4 U	4.2 U	4.1 U	4.7 U



**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code	Site-specific-soil	SBD-PD-16-H		SBD-PD-16-I		SBD-PD-16-N		SBD-PD-16-O		SBD-PD-16-P	
			Sample Name Sample Date Unit \ Depth		12/28/2007 78 to 80 ft bgs		12/28/2007 88 to 90 ft bgs		1/2/2008 138 to 140 ft bgs		1/2/2008 148 to 150 ft bgs		1/2/2008 158 to 160 ft bgs	
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	3.9 U		4 U		4.2 U		4.1 U		4.7 U	
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	3.9 U		4 U		4.2 U		4.1 U		4.7 U	
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	3.9 U		4 U		4.2 U		4.1 U		4.7 U	
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	3.9 U		4 U		4.2 U		4.1 U		4.7 U	
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	3.9 U		4 U		4.2 U		4.1 U		4.7 U	
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	1.9 U		2 U		2.1 U		2.1 U		2.4 U	
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	3.9 U		4 U		4.2 U		4.1 U		4.7 U	
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	3.9 U		4 U		4.2 U		4.1 U		4.7 U	
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	3.9 U		4 U		4.2 U		4.1 U		4.7 U	
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	3.9 U		4 U		4.2 U		4.1 U		4.7 U	
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	3.9 U		4 U		4.2 U		4.1 U		4.7 U	
<b>Wet Chemistry</b>														
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	380 J	~	350 J	~	270 J	~	210 J	~	190 J	~

Notes:

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-16-P-DUP SBD-PD-61-P 1/2/2008 158 to 160 ft bgs		SBD-PD-16-Q 1/2/2008 168 to 170 ft bgs		SBD-PD-16-R 1/2/2008 178 to 180 ft bgs		SBD-PD-16-S 1/2/2008 188 to 190 ft bgs		SBD-PD-16-T 1/2/2008 198 to 200 ft bgs	
	<b>Volatile Organic Compounds</b>													
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	9.1 U		42	#	11 U		15 U		14 U	
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	9.1 U		8.6 U		9.4 U		9.4 U		9.5 U	
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	4.6 U		4.3 U	UJ	4.7 U	UJ	4.7 U		4.7 U	UJ
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	4.6 U	UJ	4.3 U	UJ	4.7 U	UJ	4.7 U	UJ	4.7 U	UJ
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	4.6 U		4.3 U		4.7 U		1.1 J	#	4.7 U	
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	4.6 U		4.3 U	UJ	4.7 U	UJ	4.7 U		4.7 U	UJ
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	4.6 U		4.3 U	UJ	4.7 U	UJ	4.7 U		4.7 U	UJ
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	4.6 U		4.3 U	UJ	4.7 U	UJ	4.7 U		4.7 U	UJ
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.3 U		2.2 U		2.4 U		2.4 U		2.4 U	
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	9.1 U		8.6 U		9.4 U		9.4 U		9.5 U	
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	4.6 U	UJ	4.3 U	UJ	4.7 U	UJ	4.7 U	UJ	4.7 U	UJ
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.3 U		2.2 U		2.4 U		2.4 U		2.4 U	
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	9.1 U		8.6 U		9.4 U		9.4 U		9.5 U	
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	4.6 U		4.3 U		4.7 U		4.7 U		4.7 U	

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-16-P-DUP	SBD-PD-16-Q	SBD-PD-16-R	SBD-PD-16-S	SBD-PD-16-T
					SBD-PD-61-P 1/2/2008 158 to 160 ft bgs	1/2/2008 168 to 170 ft bgs	1/2/2008 178 to 180 ft bgs	1/2/2008 188 to 190 ft bgs	1/2/2008 198 to 200 ft bgs
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	4.6 U	4.3 U	4.7 U	4.7 U	4.7 U
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	4.6 U	4.3 U	4.7 U	4.7 U	4.7 U
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	4.6 U	4.3 U	4.7 U	4.7 U	4.7 U
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	4.6 U	4.3 U	4.7 U	4.7 U	4.7 U
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	4.6 U	4.3 U	4.7 U	4.7 U	4.7 U
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2.3 U	2.2 U	2.4 U	2.4 U	2.4 U
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	4.6 U	4.3 U	4.7 U	4.7 U	4.7 U
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.6 U	4.3 U	4.7 U	4.7 U	4.7 U
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	4.6 U	4.3 U	4.7 U	4.7 U	4.7 U
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	4.6 U	4.3 U	4.7 U	4.7 U	4.7 U
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.6 U	4.3 U	4.7 U	4.7 U	4.7 U
<b>Wet Chemistry</b>									
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	170 J ~	220 J ~	220 J ~	170 J ~	150 J ~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-16-U	SBD-PD-16-V	SBD-PD-16-W	SBD-PD-16-X	SBD-PD-16-Y	SBD-PD-16-Z
					1/2/2008 212 to 214 ft bgs	1/3/2008 218 to 220 ft bgs	1/3/2008 230 to 232 ft bgs	1/3/2008 240 to 242 ft bgs	1/3/2008 248 to 250 ft bgs	1/3/2008 258 to 260 ft bgs
Volatile Organic Compounds										
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	18 U	9.6 U	12 U	11 U	12 U	13 U
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	12 U	9.6 U	12 U	11 U	12 U	13 U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	3 U	2.4 U	2.9 U	2.8 U	3 U	3.3 U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	12 U	9.6 U	12 U	11 U	12 U	13 U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	3 U	2.4 U	2.9 U	2.8 U	3 U	3.3 U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	12 U	9.6 U	12 U	11 U	12 U	13 U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-16-U	SBD-PD-16-V	SBD-PD-16-W	SBD-PD-16-X	SBD-PD-16-Y	SBD-PD-16-Z
					1/2/2008 212 to 214 ft bgs	1/3/2008 218 to 220 ft bgs	1/3/2008 230 to 232 ft bgs	1/3/2008 240 to 242 ft bgs	1/3/2008 248 to 250 ft bgs	1/3/2008 258 to 260 ft bgs
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	3 U	2.4 U	2.9 U	2.8 U	3 U	3.3 U
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	5.9 U	4.8 U	5.8 U	5.7 U	6 U	6.6 U
<b>Wet Chemistry</b>										
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	130 J ~	190 J ~	140 J ~	140 J ~	130 J ~	150 J ~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-17-A	SBD-PD-17-B	SBD-PD-17-C	SBD-PD-17-C-DUP SBD-PD-71-C	SBD-PD-17-D
					1/7/2008 8 to 10 ft bgs	1/7/2008 18 to 20 ft bgs	1/7/2008 28 to 30 ft bgs	1/7/2008 28 to 30 ft bgs	1/7/2008 38 to 40 ft bgs
	<b>Volatile Organic Compounds</b>								
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	15 #	5.8 J #	11 #	14 #	8.7 U
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	9.8 U	9.7 U	10 U	11 U	8.7 U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	4.9 U	4.8 U	5.2 U	1.2 J #	4.4 U
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.4 U	2.4 U	2.6 U	2.7 U	2.2 U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	9.8 U	9.7 U	10 U	11 U	8.7 U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.4 U	2.4 U	2.6 U	2.7 U	2.2 U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	9.8 U	9.7 U	10 U	11 U	8.7 U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	4.9 U	4.8 U	5.2 U	5.4 U	4.4 U

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code	Site-specific-soil	SBD-PD-17-A		SBD-PD-17-B		SBD-PD-17-C		SBD-PD-17-C-DUP SBD-PD-71-C		SBD-PD-17-D	
			Sample Name Sample Date Unit \ Depth		1/7/2008 8 to 10 ft bgs		1/7/2008 18 to 20 ft bgs		1/7/2008 28 to 30 ft bgs		1/7/2008 28 to 30 ft bgs		1/7/2008 38 to 40 ft bgs	
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	4.9 U		4.8 U		5.2 U		5.4 U		4.4 U	
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	4.9 U		4.8 U		5.2 U		5.4 U		4.4 U	
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	4.9 U		4.8 U		5.2 U		5.4 U		4.4 U	
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	4.9 U		4.8 U		5.2 U		5.4 U		4.4 U	
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	4.9 U		4.8 U		5.2 U		5.4 U		4.4 U	
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2.4 U		2.4 U		2.6 U		2.7 U		2.2 U	
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	4.9 U		4.8 U		5.2 U		5.4 U		4.4 U	
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.9 U		4.8 U		5.2 U		5.4 U		4.4 U	
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	4.9 U		4.8 U		5.2 U		5.4 U		4.4 U	
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	4.9 U		4.8 U		5.2 U		5.4 U		4.4 U	
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.9 U		4.8 U		5.2 U		5.4 U		4.4 U	
<b>Wet Chemistry</b>														
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	1600	~	360 J	~	400 J	~	520 J	~	200 J	~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-17-E	SBD-PD-17-F	SBD-PD-17-G	SBD-PD-17-H	SBD-PD-17-I	SBD-PD-17-J
					1/7/2008 48 to 50 ft bgs	1/7/2008 58 to 60 ft bgs	1/7/2008 68 to 70 ft bgs	1/7/2008 78 to 80 ft bgs	1/7/2008 88 to 90 ft bgs	1/7/2008 98 to 100 ft bgs
	<b>Volatile Organic Compounds</b>									
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	37 #	6.9 J #	15 #	8.6 U	14 #	20 #
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	9.5 U	9.1 U	9.1 U	8.6 U	8.9 U	10 U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	4.7 U	4.6 U	4.6 U	7.3 #	1.4 J #	1.3 J #
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.4 U	2.3 U	2.3 U	2.1 U	2.2 U	2.6 U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	9.5 U	9.1 U	9.1 U	8.6 U	8.9 U	10 U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.4 U	2.3 U	2.3 U	2.1 U	2.2 U	2.6 U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	9.5 U	9.1 U	9.1 U	8.6 U	8.9 U	10 U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U



**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

			Sample Code	Site-specific-soil	SBD-PD-17-E	SBD-PD-17-F	SBD-PD-17-G	SBD-PD-17-H	SBD-PD-17-I	SBD-PD-17-J
			Sample Name		1/7/2008	1/7/2008	1/7/2008	1/7/2008-	1/7/2008	1/7/2008
			Sample Date		48 to 50 ft bgs	58 to 60 ft bgs	68 to 70 ft bgs	78 to 80 ft bgs	88 to 90 ft bgs	98 to 100 ft bgs
Cas Rn	Chemical Name	Analytic Method	Unit \ Depth							
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2.4 U	2.3 U	2.3 U	2.1 U	2.2 U	2.6 U
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.7 U	4.6 U	4.6 U	4.3 U	4.4 U	5.2 U
<b>Wet Chemistry</b>										
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	190 J ~	280 J ~	300 J ~	380 J ~	340 J ~	320 J ~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-17-K		SBD-PD-17-L		SBD-PD-17-M		SBD-PD-17-N		SBD-PD-17-O		SBD-PD-17-P	
					1/8/2008		1/8/2008		1/8/2008		1/8/2008		1/8/2008		1/8/2008	
					108 to 110 ft bgs		118 to 120 ft bgs		128 to 130 ft bgs		138 to 140 ft bgs		148 to 150 ft bgs		158 to 160 ft bgs	
	<b>Volatile Organic Compounds</b>															
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	74	#	9.5 U		16 U		8.8 U		6.2 U		7.9 U	
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	5.1 U		4.7 U		5.3	#	4.4 U		4.6	#	5	#
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	8.9 U		9.5 U		9.5 U		8.8 U		8.2 U		9.5 U	
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	4.4 U		10	#	4.8 U		4.4 U		4.1 U		4.8 U	
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.2 U		2.4 U		2.4 U		2.2 U		2 U		2.4 U	
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	8.9 U		9.5 U		9.5 U		8.8 U		8.2 U		9.5 U	
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.2 U		2.4 U		2.4 U		2.2 U		2 U		2.4 U	
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	8.9 U		9.5 U		9.5 U		8.8 U		8.2 U		9.5 U	
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	4.4 U		4.7 U		4.8 U		4.4 U		4.1 U		4.8 U	

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code	Site-specific-soil	SBD-PD-17-K		SBD-PD-17-L		SBD-PD-17-M		SBD-PD-17-N		SBD-PD-17-O		SBD-PD-17-P	
			Sample Name Sample Date Unit \ Depth		1/8/2008 108 to 110 ft bgs		1/8/2008 118 to 120 ft bgs		1/8/2008 128 to 130 ft bgs		1/8/2008 138 to 140 ft bgs		1/8/2008 148 to 150 ft bgs		1/8/2008 158 to 160 ft bgs	
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	4.4	U	4.7	U	4.8	U	4.4	U	4.1	U	4.8	U
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	4.4	U	4.7	U	4.8	U	4.4	U	4.1	U	4.8	U
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	4.4	U	4.7	U	4.8	U	4.4	U	4.1	U	4.8	U
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	4.4	U	4.7	U	4.8	U	4.4	U	4.1	U	4.8	U
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	4.4	U	4.7	U	4.8	U	4.4	U	4.1	U	4.8	U
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2.2	U	2.4	U	2.4	U	2.2	U	2	U	2.4	U
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	4.4	U	4.7	U	4.8	U	4.4	U	4.1	U	4.8	U
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.4	U	4.7	U	4.8	U	4.4	U	4.1	U	4.8	U
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	4.4	U	4.7	U	4.8	U	4.4	U	4.1	U	4.8	U
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	4.4	U	4.7	U	4.8	U	4.4	U	4.1	U	4.8	U
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.4	U	4.7	U	4.8	U	4.4	U	4.1	U	4.8	U
<b>Wet Chemistry</b>																
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	350	J ~	340	J ~	310	J ~	170	J ~	160	J ~	160	J ~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-17-Q		SBD-PD-17-R		SBD-PD-17-S		SBD-PD-17-T		SBD-PD-17-U		SBD-PD-17-V	
					1/8/2008	1/8/2008	1/8/2008	1/8/2008	1/8/2008	1/8/2008	1/9/2008	1/9/2008	1/9/2008	1/9/2008	1/9/2008	1/9/2008
					168 to 170 ft bgs	178 to 80 ft bgs	168 to 190 ft bgs	198 to 200 ft bgs	208 to 210 ft bgs	218 to 220 ft bgs						
<b>Volatile Organic Compounds</b>																
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	12 U	44 U	9.9 U	11 U	11 U	9.7 U						
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	4.9 #	5.3 #	4.9 U	5.5 U	5.5 U	4.9 U						
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	9.4 U	9.5 U	9.9 U	11 U	11 U	9.7 U						
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	4.7 U	4.7 U	11 #	24 #	5.5 U	7.1 #						
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.3 U	2.4 U	2.5 U	2.8 U	2.8 U	2.4 U						
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	9.4 U	9.5 U	9.9 U	11 U	11 U	9.7 U						
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.3 U	2.4 U	2.5 U	2.8 U	2.8 U	2.4 U						
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	9.4 U	9.5 U	9.9 U	11 U	11 U	9.7 U						
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U						

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code	Site-specific-soil	SBD-PD-17-Q	SBD-PD-17-R	SBD-PD-17-S	SBD-PD-17-T	SBD-PD-17-U	SBD-PD-17-V
			Sample Name Sample Date Unit \ Depth		1/8/2008 168 to 170 ft bgs	1/8/2008 178 to 80 ft bgs	1/8/2008 188 to 190 ft bgs	1/8/2008 198 to 200 ft bgs	1/9/2008 208 to 210 ft bgs	1/9/2008 218 to 220 ft bgs
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2.3 U	2.4 U	2.5 U	2.8 U	2.8 U	2.4 U
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.7 U	4.7 U	4.9 U	5.5 U	5.5 U	4.9 U
<b>Wet Chemistry</b>										
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	150 J ~	190 J ~	170 J ~	180 J ~	200 J ~	180 J ~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-17-W	SBD-PD-17-X	SBD-PD-17-X-DUP SBD-PD-71-X	SBD-PD-17-Y	SBD-PD-17-Z
					1/9/2008 228 to 230 ft bgs	1/9/2008 238 to 240 ft bgs	1/9/2008 238 to 240 ft bgs	1/9/2008 248 to 250 ft bgs	1/9/2008 258 to 260 ft bgs
Volatile Organic Compounds									
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	5.6 U	5.5 U	6 U	5.8 U	5.7 U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	5.6 U	5.5 U	6 U	5.8 U	5.7 U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	5.6 U	5.5 U	6 U	5.8 U	5.7 U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	5.6 U	5.5 U	6 U	5.8 U	5.7 U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	5.6 U	5.5 U	6 U	5.8 U	5.7 U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	5.6 U	5.5 U	6 U	5.8 U	5.7 U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	5.6 U	5.5 U	6 U	5.8 U	5.7 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	5.6 U	5.5 U	6 U	5.8 U	5.7 U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	11 U	11 U	12 U	12 U	44 U
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	5.6 U	5.5 U	6 U	5.8 U	5.7 U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	5.6 U	5.5 U	6 U	5.8 U	5.7 U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	5.6 U	5.5 U	6 U	5.8 U	5.7 U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	5.6 U	5.5 U	6 U	5.8 U	5.7 U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	5.6 U	5.5 U	6 U	5.8 U	5.7 U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	5.6 U	5.5 U	6 U	5.8 U	5.7 U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	5.6 U	5.5 U	6 U	5.8 U	5.7 U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	11 U	11 U	12 U	12 U	11 U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	5.6 U	5.5 U	6 U	5.8 U	5.7 U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	5.6 U	5.5 U	6 U	5.8 U	5.7 U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	5.6 U	5.5 U	6 U	5.8 U	5.7 U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	5.6 U	5.5 U	6 U	5.8 U	5.7 U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	5.6 U	5.5 U	6 U	5.8 U	5.7 U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	5.6 U	5.5 U	6 U	5.8 U	5.7 U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	3 J #	5.5 U	6 U	5.8 U	5.7 U
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	5.6 U	5.5 U	6 U	5.8 U	5.7 U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	5.6 U	5.5 U	6 U	5.8 U	5.7 U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	5.6 U	5.5 U	6 U	5.8 U	5.7 U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.8 U	2.7 U	3 U	2.9 U	2.8 U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	11 U	11 U	12 U	12 U	11 U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	5.6 U	5.5 U	6 U	5.8 U	5.7 U
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.8 U	2.7 U	3 U	2.9 U	2.8 U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	5.6 U	5.5 U	6 U	5.8 U	5.7 U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	5.6 U	5.5 U	6 U	5.8 U	5.7 U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	11 U	11 U	12 U	12 U	11 U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	5.6 U	5.5 U	6 U	5.8 U	5.7 U
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	5.6 U	5.5 U	6 U	5.8 U	5.7 U
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	5.6 U	5.5 U	6 U	5.8 U	5.7 U

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-17-W		SBD-PD-17-X		SBD-PD-17-X-DUP SBD-PD-71-X		SBD-PD-17-Y		SBD-PD-17-Z	
					1/9/2008 228 to 230 ft bgs		1/9/2008 238 to 240 ft bgs		1/9/2008 238 to 240 ft bgs		1/9/2008 248 to 250 ft bgs		1/9/2008 258 to 260 ft bgs	
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	5.6 U		5.5 U		6 U		5.8 U		5.7 U	
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	5.6 U		5.5 U		6 U		5.8 U		5.7 U	
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	5.6 U		5.5 U		6 U		5.8 U		5.7 U	
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	5.6 U		5.5 U		6 U		5.8 U		5.7 U	
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	5.6 U		5.5 U		6 U		5.8 U		5.7 U	
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2.8 U		2.7 U		3 U		2.9 U		2.8 U	
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	5.6 U		5.5 U		6 U		5.8 U		5.7 U	
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	5.6 U		5.5 U		6 U		5.8 U		5.7 U	
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	5.6 U		5.5 U		6 U		5.8 U		5.7 U	
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	5.6 U		5.5 U		6 U		5.8 U		5.7 U	
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	5.6 U		5.5 U		6 U		5.8 U		5.7 U	
<b>Wet Chemistry</b>														
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	190 J ~		200 J		220 J ~		230 J ~		230 J ~	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

			Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-19-A 12/5/2007 8 to 10 ft bgs		SBD-PD-19-A-DUP SBD-PD-91-A 12/5/2007 8 to 10 ft bgs		SBD-PD-19-B 12/5/2007 18 to 20 ft bgs		SBD-PD-19-C 12/5/2007 28 to 30 ft bgs	
Cas Rn	Chemical Name	Analytic Method										
	Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	3.5	U		3.6	U		3.9	U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	3.5	U		3.6	U		3.9	U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	3.5	U		3.6	U		3.9	U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	3.5	U		3.6	U		3.9	U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	3.5	U		3.6	U		3.9	U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	3.5	U		3.6	U		3.9	U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	3.5	U		3.6	U		3.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	3.5	U		3.6	U		3.9	U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	15	#		7.5	#		350	A
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	3.5	U		3.6	U		3.9	U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	3.5	U		3.6	U		3.9	U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	3.5	U		3.6	U		3.9	U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	3.5	U		3.6	U		3.9	U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	3.5	U		3.6	U		3.9	U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	3.5	U		3.6	U		3.9	U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	3.5	U		3.6	U		3.9	U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	6.9	U		7.1	U		7.7	U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	3.5	U		3.6	U		3.9	U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	3.5	U		3.6	U		3.9	U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	3.5	U		3.6	U		3.9	U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	3.5	U		3.6	U		3.9	U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	3.5	U		3.6	U		3.9	U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	3.5	U		3.6	U		3.9	U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	3.5	U		3.6	U		3.9	U
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	3.5	U		3.6	U		3.9	U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	3.5	U		3.6	U		3.9	U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	3.5	U		3.6	U		3.9	U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	1.7	U		1.8	U		1.9	U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	6.9	U		7.1	U		7.7	U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	3.5	U		3.6	U		3.9	U
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	1.7	U		1.8	U		1.9	U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	3.5	U		3.6	U		3.9	U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	3.5	U		3.6	U		3.9	U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	6.9	U		7.1	U		7.7	U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	3.5	U		3.6	U		3.9	U



**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-19-A		SBD-PD-19-A-DUP SBD-PD-91-A		SBD-PD-19-B		SBD-PD-19-C	
					12/5/2007 8 to 10 ft bgs		12/5/2007 8 to 10 ft bgs		12/5/2007 18 to 20 ft bgs		12/5/2007 28 to 30 ft bgs	
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	3.5	U	3.6	U	3.9	U	2.9	U
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	3.5	U	3.6	U	3.9	U	2.9	U
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	3.5	U	3.6	U	3.9	U	2.9	U
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	1	J ~	3.6	U	3.9	U	2.9	U
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	3.5	U	3.6	U	3.9	U	2.9	U
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	3.5	U	3.6	U	3.9	U	2.9	U
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	3.5	U	3.6	U	3.9	U	2.9	U
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	1.7	U	1.8	U	1.9	U	1.5	U
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	3.5	U	3.6	U	3.9	U	2.9	U
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	3.5	U	3.6	U	3.9	U	2.9	U
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	3.5	U	3.6	U	3.9	U	2.9	U
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	3.5	U	3.6	U	3.9	U	2.9	U
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	3.5	U	3.6	U	3.9	U	2.9	U
<b>Wet Chemistry</b>												
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	3800	~	2800	~	1900	~	2100	~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-19-D		SBD-PD-19-E		SBD-PD-19-F		SBD-PD-19-G	
					12/5/2007 38 to 40 ft bgs		12/5/2007 48 to 50 ft bgs		12/5/2007 58 to 60 ft bgs		12/5/2007 68 to 70 ft bgs	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	3	U	3.5	U	3.8	U	3.6	U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	3	U	3.5	U	3.8	U	3.6	U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	3	U	3.5	U	3.8	U	3.6	U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	3	U	3.5	U	3.8	U	3.6	U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	3	U	3.5	U	3.8	U	3.6	U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	3	U	3.5	U	3.8	U	3.6	U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	3	U	3.5	U	3.8	U	3.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	3	U	3.5	U	3.8	U	3.6	U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	180	#	670	J A	190	#	1500	A
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	3	U	3.5	U	3.8	U	3.6	U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	3	U	3.5	U	3.8	U	3.6	U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	3	U	3.5	U	3.8	U	3.6	U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	3	U	3.5	U	3.8	U	3.6	U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	3	U	3.5	U	3.8	U	3.6	U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	3	U	3.5	U	3.8	U	3.6	U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	3	U	3.5	U	3.8	U	3.6	U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	6	U	6.9	U	7.7	U	7.3	U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	3	U	3.5	U	3.8	U	3.6	U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	3	U	3.5	U	3.8	U	3.6	U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	3	U	3.5	U	3.8	U	3.6	U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	3	U	3.5	U	3.8	U	3.6	U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	3	U	3.5	U	3.8	U	3.6	U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	3	U	3.5	U	3.8	U	3.6	U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	1.6	J #	1.6	J #	3.8	U	3.8	#
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	3	U	3.5	U	3.8	U	3.6	U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	3	U	3.5	U	3.8	U	3.6	U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	3	U	3.5	U	3.8	U	3.6	U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	1.5	U	1.7	U	1.9	U	1.8	U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	6	U	6.9	U	7.7	U	7.3	U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	3	U	3.5	U	3.8	U	3.6	U
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	1.5	U	1.7	U	1.9	U	1.8	U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	3	U	3.5	U	3.8	U	3.6	U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	3	U	3.5	U	3.8	U	3.6	U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	6	U	6.9	U	7.7	U	7.3	U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	3	U	3.5	U	3.8	U	3.6	U

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code	Site-specific-soil	SBD-PD-19-D		SBD-PD-19-E		SBD-PD-19-F		SBD-PD-19-G	
			Sample Name Sample Date Unit \ Depth		12/5/2007 38 to 40 ft bgs		12/5/2007 48 to 50 ft bgs		12/5/2007 58 to 60 ft bgs		12/5/2007 68 to 70 ft bgs	
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	3	U	3.5	U	3.8	U	3.6	U
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	3	U	3.5	U	3.8	U	3.6	U
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	3	U	3.5	U	3.8	U	3.6	U
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	3	U	3.5	U	3.8	U	3.6	U
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	3	U	3.5	U	3.8	U	3.6	U
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	3	U	3.5	U	3.8	U	3.6	U
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	3	U	3.5	U	3.8	U	3.6	U
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	1.5	U	1.7	U	1.9	U	1.8	U
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	3	U	3.5	U	3.8	U	3.6	U
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	3	U	3.5	U	3.8	U	3.6	U
96-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	3	U	3.5	U	3.8	U	3.6	U
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	3	U	3.5	U	3.8	U	3.6	U
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	3	U	3.5	U	3.8	U	3.6	U
<b>Wet Chemistry</b>												
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	1900	~	1100	~	1300	~	1500	~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-19-H		SBD-PD-19-I		SBD-PD-19-J		SBD-PD-19-K		SBD-PD-19-L	
					12/5/2007 78 to 80 ft bgs		12/5/2007 88 to 90 ft bgs		12/5/2007 98 to 100 ft bgs		12/6/2007 108 to 110 ft bgs		12/6/2007 118 to 120 ft bgs	
	<b>Volatile Organic Compounds</b>													
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	2.9	U	3.3	U	3.5	U	3.9	UJ	4.2	U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	2.9	U	3.3	U	3.5	U	3.9	UJ	4.2	U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	2.9	U	3.3	U	3.5	U	3.9	UJ	4.2	U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	2.9	U	3.3	U	3.5	U	3.9	UJ	4.2	U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	6200		170	#	98	#	110	#	1300	A
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	0.85	J #	3.3	U	3.5	U	3.9	UJ	4.2	U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	10	#	6.6	U	7.1	U	7.7	U	8.5	U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	1	J #	3.3	U	3.5	U	3.9	U	4.2	U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	8.8	#	3.3	U	3.5	U	3.9	U	4.2	U
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	1.4	U	1.6	U	1.8	U	1.9	U	2.1	U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	5.7	U	6.6	U	7.1	U	7.7	U	8.5	U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	0.99	J #	3.3	U	3.5	U	3.9	U	4.2	U
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	1.4	U	1.6	U	1.8	U	1.9	U	2.1	U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	5.7	U	6.6	U	7.1	U	7.7	U	8.5	U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	2.9	U	3.3	U	3.5	U	3.9	U	4.2	U

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-19-H		SBD-PD-19-I		SBD-PD-19-J		SBD-PD-19-K		SBD-PD-19-L	
					12/5/2007 78 to 80 ft bgs		12/5/2007 88 to 90 ft bgs		12/5/2007 98 to 100 ft bgs		12/6/2007 108 to 110 ft bgs		12/6/2007 118 to 120 ft bgs	
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	2.9 U		3.3 U		3.5 U		3.9 U		4.2 U	
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	2.9 U		3.3 U		3.5 U		3.9 U		4.2 U	
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	2.9 U		3.3 U		3.5 U		3.9 U		4.2 U	
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	2.9 U		3.3 U		3.5 U		3.9 U		4.2 U	
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	2.9 U		3.3 U		3.5 U		3.9 U		4.2 U	
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	2.9 U		3.3 U		3.5 U		3.9 U		4.2 U	
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	2.9 U		3.3 U		3.5 U		3.9 U		4.2 U	
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	1.4 U		1.6 U		1.8 U		1.9 U		2.1 U	
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	2.9 U		3.3 U		3.5 U		3.9 U		4.2 U	
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	2.9 U		3.3 U		3.5 U		3.9 U		4.2 U	
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	2.9 U		3.3 U		3.5 U		3.9 U		4.2 U	
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	2.9 U		3.3 U		3.5 U		3.9 U		4.2 U	
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	2.9 U		3.3 U		3.5 U		3.9 U		4.2 U	
<b>Wet Chemistry</b>														
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A			1100	~	2100	~	2000	~	1300	~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-19-M	SBD-PD-19-N	SBD-PD-19-P	SBD-PD-19-Q	SBD-PD-19-R
					12/6/2007 128 to 130 ft bgs	12/6/2007 138 to 140 ft bgs	12/7/2007 158 to 160 ft bgs	12/7/2007 168 to 170 ft bgs	12/7/2007 178 to 180 ft bgs
	<b>Volatile Organic Compounds</b>								
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	3.9 U	3.4 U	3.6 U	4 U	4 U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	3.9 U	3.4 U	3.6 U	4 U	4 U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	3.9 U	3.4 U	3.6 U	4 U	4 U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	3.9 U	3.4 U	3.6 U	4 U	4 U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	3.9 U	3.4 U	3.6 U	4 U	4 U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	3.9 U	3.4 U	3.6 U	4 U	4 U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	3.9 U	3.4 U	3.6 U	4 U	4 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	3.9 U	3.4 U	3.6 U	4 U	4 U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	1200 A	390 A	15 #	110 #	48 #
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	3.9 U	3.4 U	3.6 U	4 U	4 U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	3.9 U	3.4 U	3.6 U	4 U	4 U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	3.9 U	3.4 U	3.6 U	4 U	4 U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	3.9 U	3.4 U	3.6 U	4 U	4 U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	3.9 U	3.4 U	3.6 U	4 U	4 U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	3.9 U	3.4 U	3.6 U	4 U	4 U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	3.9 U	3.4 U	3.6 U	4 U	4 U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	7.8 U	6.9 U	7.3 U	7.9 U	8.1 U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	3.9 U	3.4 U	3.6 U	4 U	4 U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	3.9 U	3.4 U	3.6 U	4 U	4 U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	3.9 U	3.4 U	3.6 U	4 U	4 U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	3.9 U	3.4 U	3.6 U	4 U	4 U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	3.9 U	3.4 U	3.6 U	4 U	4 U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	3.9 U	3.4 U	3.6 U	4 U	4 U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	3.9 U	3.4 U	1.6 J #	4 U	4 U
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	3.9 U	3.4 U	3.6 U	4 U	4 U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	3.9 U	3.4 U	3.6 U	4 U	4 U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	3.9 U	3.4 U	3.6 U	4 U	4 U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2 U	1.7 U	1.8 U	2 U	2 U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	7.8 U	6.9 U	7.3 U	7.9 U	8.1 U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	3.9 U	3.4 U	3.6 U	4 U	0.85 J #
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2 U	1.7 U	1.8 U	2 U	2 U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	3.9 U	3.4 U	3.6 U	4 U	4 U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	3.9 U	3.4 U	3.6 U	4 U	4 U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	7.8 U	6.9 U	7.3 U	7.9 U	8.1 U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	3.9 U	3.4 U	3.6 U	4 U	4 U

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-19-M		SBD-PD-19-N		SBD-PD-19-P		SBD-PD-19-Q		SBD-PD-19-R	
					12/6/2007 128 to 130 ft bgs		12/6/2007 138 to 140 ft bgs		12/7/2007 158 to 160 ft bgs		12/7/2007 168 to 170 ft bgs		12/7/2007 178 to 180 ft bgs	
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	3.9 U		3.4 U		3.6 U		4 U		4 U	
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	3.9 U		3.4 U		3.6 U		4 U		4 U	
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	3.9 U		3.4 U		3.6 U		4 U		4 U	
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	3.9 U		3.4 U		3.6 U		4 U		4 U	
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	3.9 U		3.4 U		3.6 U		4 U		4 U	
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	3.9 U		3.4 U		3.6 U		4 U		4 U	
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	3.9 U		3.4 U		3.6 U		4 U		4 U	
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2 U		1.7 U		1.8 U		2 U		2 U	
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	3.9 U		3.4 U		3.6 U		4 U		4 U	
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	3.9 U		3.4 U		3.6 U		4 U		4 U	
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	3.9 U		3.4 U		3.6 U		4 U		4 U	
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	3.9 U		3.4 U		3.6 U		4 U		4 U	
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	3.9 U		3.4 U		3.6 U		4 U		4 U	
<b>Wet Chemistry</b>														
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	1500	~	1200	~	340 J	~	190 J	~	180 J	~

**Notes:**

- # Compound detected below or equal to screening criteria
- A Compound detected above screening criteria
- ~ Compound without screening criteria detected
- bgs below ground surface
- ft feet
- J Value estimated
- U Compound not detected above reporting limit
- ug/Kg micrograms per kilogram
- mg/Kg milligrams per kilogram
- TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

			Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-19-S		SBD-PD-19-T		SBD-PD-19-U		SBD-PD-19-V		SBD-PD-19-W	
Cas Rn	Chemical Name	Analytic Method			12/7/2007 188 to 190 ft bgs		12/7/2007 198 to 200 ft bgs		12/11/2007 210 to 212 ft bgs		12/11/2007 220 to 222 ft bgs		12/11/2007 228 to 230 ft bgs	
Volatile Organic Compounds														
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	110	#	4.4	J	26	#	98	#	6.2	J
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	7.4	U	8.5	U	8.4	U	7.6	U	8.3	U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	3.7	U	4.6	#	8.5	#	6.5	#	4.2	U
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	1.8	U	2.1	U	2.1	U	1.9	U	2.1	U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	7.4	U	8.5	U	8.4	U	7.6	U	8.3	U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	0.86	J	4.2	U	4.2	U	3.8	U	4.2	U
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	1.8	U	2.1	U	2.1	U	1.9	U	2.1	U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	7.4	U	8.5	U	8.4	U	7.6	U	8.3	U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	3.7	U	4.2	U	4.2	U	3.8	U	4.2	U



**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

			Sample Code Sample Name Sample Date	Site-specific-soil	SBD-PD-19-S 12/7/2007 188 to 190 ft bgs	SBD-PD-19-T 12/7/2007 198 to 200 ft bgs	SBD-PD-19-U 12/11/2007 210 to 212 ft bgs	SBD-PD-19-V 12/11/2007 220 to 222 ft bgs	SBD-PD-19-W 12/11/2007 228 to 230 ft bgs
Cas Rn	Chemical Name	Analytic Method	Unit \ Depth						
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	3.7 U	4.2 U	4.2 U	3.8 U	4.2 U
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	3.7 U	4.2 U	4.2 U	3.8 U	4.2 U
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	3.7 U	4.2 U	4.2 U	3.8 U	4.2 U
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	3.7 U	4.2 U	4.2 U	3.8 U	4.2 U
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	3.7 U	4.2 U	4.2 U	3.8 U	4.2 U
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	3.7 U	4.2 U	4.2 U	3.8 U	4.2 U
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	3.7 U	4.2 U	4.2 U	3.8 U	4.2 U
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	1.8 U	2.1 U	2.1 U	1.9 U	2.1 U
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	3.7 U	4.2 U	4.2 U	3.8 U	4.2 U
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	3.7 U	4.2 U	4.2 U	3.8 U	4.2 U
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	3.7 U	4.2 U	4.2 U	3.8 U	4.2 U
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	3.7 U	4.2 U	4.2 U	3.8 U	4.2 U
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	3.7 U	4.2 U	4.2 U	3.8 U	4.2 U
<b>Wet Chemistry</b>									
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	120 J ~	200 J ~	350 J ~	240 J ~	410 J ~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-19-X		SBD-PD-19-Y		SBD-PD-19-Z		SBD-PD-18-A		SBD-PD-18-B	
					12/11/2007		12/11/2007		12/11/2007		12/17/2007		12/17/2007	
					238 to 240 ft bgs		248 to 250 ft bgs		258 to 260 ft bgs		8 to 10 ft bgs		18 to 20 ft bgs	
	<b>Volatile Organic Compounds</b>													
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	4 U		4.6 U		3.9 U		5.4 U		6 U	
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	4 U		4.6 U		3.9 U		5.4 U		6 U	
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	4 U		4.6 U		3.9 U		5.4 U		6 U	
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	4 U		4.6 U		3.9 U		5.4 U		6 U	
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	4 U		4.6 U		3.9 U		5.4 U		6 U	
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	4 U		4.6 U		3.9 U		5.4 U		6 U	
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	4 U		4.6 U		3.9 U		5.4 U		6 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	4 U		4.6 U		3.9 U		5.4 U		6 U	
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	4.4 J #		16 #		20 #		17 #		28 #	
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	4 U		4.6 U		3.9 U		5.4 U		6 U	
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	4 U		4.6 U		3.9 U		5.4 U		6 U	
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	4 U		4.6 U		3.9 U		5.4 U		6 U	
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	4 U		4.6 U		3.9 U		5.4 U		6 U	
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	4 U		4.6 U		3.9 U		5.4 U		6 U	
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	4 U		4.6 U		3.9 U		5.4 U		6 U	
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	4 U		4.6 U		3.9 U		5.4 U		6 U	
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	7.9 U		9.2 U		7.7 U		11 U		12 U	
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	4 U		4.6 U		3.9 U		5.4 U		6 U	
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	4 U		4.6 U		3.9 U		5.4 U		6 U	
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	4 U		4.6 U		3.9 U		1.5 J #		6 U	
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	4 U		4.6 U		3.9 U		5.4 U		6 U	
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	4 U		4.6 U		3.9 U		5.4 U		6 U	
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	4 U		4.6 U		3.9 U		5.4 U		6 U	
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	4 U		2.8 J #		3.8 J #		5.4 U		6 U	
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	4 U		4.6 U		3.9 U		5.4 U		6 U	
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	4 U		4.6 U		3.9 U		5.4 U		6 U	
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	4 U		4.6 U		3.9 U		5.4 U		6 U	
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2 U		2.3 U		1.9 U		2.7 U		3 U	
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	7.9 U		9.2 U		7.7 U		11 U		12 U	
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	4 U		4.6 U		3.9 U		5.4 U		6 U	
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2 U		2.3 U		1.9 U		2.7 U		3 U	
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	4 U		4.6 U		3.9 U		5.4 U		6 U	
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	4 U		4.6 U		3.9 U		5.4 U		6 U	
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	7.9 U		9.2 U		7.7 U		11 U		12 U	
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	4 U		4.6 U		3.9 U		5.4 U		6 U	

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-19-X		SBD-PD-19-Y		SBD-PD-19-Z		SBD-PD-18-A		SBD-PD-18-B	
					12/11/2007 238 to 240 ft bgs		12/11/2007 248 to 250 ft bgs		12/11/2007 258 to 260 ft bgs		12/17/2007 8 to 10 ft bgs		12/17/2007 18 to 20 ft bgs	
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	4 U		4.6 U		3.9 U		5.4 U		6 U	
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	4 U		4.6 U		3.9 U		5.4 U		6 U	
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	4 U		4.6 U		3.9 U		5.4 U		6 U	
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	4 U		4.6 U		3.9 U		5.4 U		6 U	
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	4 U		4.6 U		3.9 U		5.4 U		6 U	
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	4 U		4.6 U		3.9 U		5.4 U		6 U	
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	4 U		4.6 U		3.9 U		5.4 U		6 U	
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2 U		2.3 U		1.9 U		2.7 U		3 U	
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	4 U		4.6 U		3.9 U		5.4 U		6 U	
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	4 U		4.6 U		3.9 U		5.4 U		6 U	
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	4 U		4.6 U		3.9 U		5.4 U		6 U	
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	4 U		4.6 U		3.9 U		5.4 U		6 U	
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	4 U		4.6 U		3.9 U		5.4 U		6 U	
<b>Wet Chemistry</b>														
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	440 J ~		1200 ~		650 ~		760 ~		510 ~	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-18-C	SBD-PD-18-D	SBD-PD-18-D-DUP SBD-PD-81-D	SBD-PD-18-E	SBD-PD-18-F
					12/17/2007 28 to 30 ft bgs	12/17/2007 38 to 40 ft bgs	12/17/2007 38 to 40 ft bgs	12/17/2007 48 to 50 ft bgs	12/18/2007 58 to 60 ft bgs
	<b>Volatile Organic Compounds</b>								
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	34 #	28 #	22 #	180 #	9.8 U
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	11 U	11 U	8.9 U	11 U	9.8 U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	5.7 U	48 #	31 #	5.5 U	1.8 J #
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.9 U	2.7 U	2.2 U	2.8 U	2.5 U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	11 U	11 U	8.9 U	11 U	9.8 U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.9 U	2.7 U	2.2 U	2.8 U	2.5 U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	5.7 U	3.5 J #	2.6 J #	5.5 U	4.9 U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	11 U	11 U	8.9 U	11 U	9.8 U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

			Sample Code Sample Name Sample Date	Site-specific-soil	SBD-PD-18-C	SBD-PD-18-D	SBD-PD-18-D-DUP SBD-PD-81-D	SBD-PD-18-E	SBD-PD-18-F
Cas Rn	Chemical Name	Analytic Method	Unit \ Depth		12/17/2007 28 to 30 ft bgs	12/17/2007 38 to 40 ft bgs	12/17/2007 38 to 40 ft bgs	12/17/2007 48 to 50 ft bgs	12/18/2007 58 to 60 ft bgs
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2.9 U	2.7 U	2.2 U	2.8 U	2.5 U
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	5.7 U	5.4 U	4.4 U	5.5 U	4.9 U
Wet Chemistry									
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	610	~	430 J ~	370 J ~	410 J ~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-18-G		SBD-PD-18-I		SBD-PD-18-J		SBD-PD-18-K		SBD-PD-18-L	
					12/18/2007	68 to 70 ft bgs	12/18/2007	88 to 90 ft bgs	12/19/2007	98 to 100 ft bgs	12/19/2007	108 to 110 ft bgs	12/19/2007	118 to 120 ft bgs
	<b>Volatile Organic Compounds</b>													
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	4.6	U	4.2	U	4	U	3.9	R	4.6	U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	4.6	U	4.2	U	4	U	3.9	R	4.6	U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	4.6	U	4.2	U	4	U	3.9	R	4.6	U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	4.6	U	4.2	U	4	U	3.9	R	4.6	U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	4.6	U	4.2	U	4	U	3.9	R	4.6	U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	4.6	U	4.2	U	4	U	3.9	R	4.6	U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	4.6	U	4.2	U	4	U	3.9	R	4.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	4.6	U	4.2	U	4	U	3.9	R	4.6	U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	9.1	U	8.5	U	12	#	13	J #	41	#
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	4.6	U	4.2	U	4	U	3.9	R	4.6	U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	4.6	U	4.2	U	4	U	3.9	R	4.6	U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	4.6	U	4.2	U	4	U	3.9	R	4.6	U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	4.6	U	4.2	U	4	U	3.9	R	4.6	U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	4.6	U	4.2	U	4	U	3.9	R	4.6	U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	4.6	U	4.2	U	4	U	3.9	R	4.6	U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	4.6	U	4.2	U	4	U	3.9	R	4.6	U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	9.1	U	8.5	U	8	U	7.8	R	9.1	U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	4.6	U	1.6	J #	4	U	3.9	R	4.6	U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.6	U	4.2	U	4	U	3.9	R	4.6	U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	4.6	U	4.2	U	4	U	3.9	R	4.6	U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	4.6	U	4.2	U	4	U	3.9	R	4.6	U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	4.6	U	4.2	U	4	U	3.9	R	4.6	U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	4.6	U	4.2	U	4	U	3.9	R	4.6	U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	4.6	U	4.2	U	4	U	3.9	R	4.6	U
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	4.6	U	4.2	U	4	U	3.9	R	4.6	U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	4.6	U	4.2	U	4	U	3.9	R	4.6	U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	4.6	U	4.2	U	4	U	3.9	R	4.6	U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.3	U	2.1	U	2	U	2	R	2.3	U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	9.1	U	8.5	U	8	U	7.8	R	9.1	U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	4.6	U	4.2	U	4	U	4.2	J #	4.6	U
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.3	U	2.1	U	2	U	2	R	2.3	U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.6	U	4.2	U	4	U	3.9	R	4.6	U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	4.6	U	4.2	U	4	U	3.3	J #	4.6	U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	9.1	U	8.5	U	8	U	7.8	R	9.1	U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	4.6	U	4.2	U	4	U	3.9	R	4.6	U

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-18-G	SBD-PD-18-I	SBD-PD-18-J	SBD-PD-18-K	SBD-PD-18-L
					12/18/2007 68 to 70 ft bgs	12/18/2007 88 to 90 ft bgs	12/19/2007 98 to 100 ft bgs	12/19/2007 108 to 110 ft bgs	12/19/2007 118 to 120 ft bgs
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	4.6 U	4.2 U	4 U	3.9 R	4.6 U
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	4.6 U	4.2 U	4 U	3.9 R	4.6 U
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	4.6 U	4.2 U	4 U	3.9 R	4.6 U
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	4.6 U	4.2 U	4 U	3.9 R	4.6 U
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	4.6 U	4.2 U	4 U	3.9 R	4.6 U
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	4.6 U	4.2 U	4 U	3.9 R	4.6 U
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	4.6 U	4.2 U	4 U	3.9 R	4.6 U
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2.3 U	2.1 U	2 U	2 R	2.3 U
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	4.6 U	4.2 U	4 U	3.9 R	4.6 U
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.6 U	4.2 U	4 U	3.9 R	4.6 U
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	4.6 U	4.2 U	4 U	3.9 R	4.6 U
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	4.6 U	4.2 U	4 U	3.9 R	4.6 U
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.6 U	4.2 U	4 U	3.9 R	4.6 U
<b>Wet Chemistry</b>									
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	730 ~	450 J ~	420 J ~	590 ~	310 J ~

Notes:

# Compound detected below or equal to screening criteria

A Compound detected above screening criteria

~ Compound without screening criteria detected

bgs below ground surface

ft feet

J Value estimated

U Compound not detected above reporting limit

ug/Kg micrograms per kilogram

mg/Kg milligrams per kilogram

TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

			Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-18-M		SBD-PD-18-N		SBD-PD-18-O		SBD-PD-18-P		SBD-PD-18-Q	
Cas Rn	Chemical Name	Analytic Method			12/19/2007, 128 to 130 ft bgs		12/19/2007 138 to 140 ft bgs		12/19/2007 148 to 150 ft bgs		12/19/2007 158 to 160 ft bgs		12/19/2007 168 to 170 ft bgs	
Volatile Organic Compounds														
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	74	#	150	#	9	J #	11	#	56	#
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	8.9	U	9.2	U	9	U	9.6	U	9	U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	0.95	J #	0.92	J #	4.5	U	4.8	U	4.5	U
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.2	U	2.3	U	2.2	U	2.4	U	2.2	U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	8.9	U	9.2	U	9	U	9.6	U	9	U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.2	U	2.3	U	2.2	U	2.4	U	2.2	U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	4.4	U	4.6	U	1.3	J #	4.8	U	4.5	U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	8.9	U	9.2	U	9	U	9.6	U	9	U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	4.4	U	4.6	U	4.5	U	4.8	U	4.5	U



**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code	Site-specific-soil	SBD-PD-18-M		SBD-PD-18-N		SBD-PD-18-O		SBD-PD-18-P		SBD-PD-18-Q	
			Sample Name Sample Date Unit \ Depth		12/19/2007 128 to 130 ft bgs		12/19/2007 138 to 140 ft bgs		12/19/2007 148 to 150 ft bgs		12/19/2007 158 to 160 ft bgs		12/19/2007 168 to 170 ft bgs	
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	4.4 U		4.6 U		4.5 U		4.8 U		4.5 U	
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	4.4 U		4.6 U		4.5 U		4.8 U		4.5 U	
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	4.4 U		4.6 U		4.5 U		4.8 U		4.5 U	
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	4.4 U		4.6 U		4.5 U		4.8 U		4.5 U	
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	4.4 U		4.6 U		4.5 U		4.8 U		4.5 U	
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	4.4 U		4.6 U		4.5 U		4.8 U		4.5 U	
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	4.4 U		4.6 U		4.5 U		4.8 U		4.5 U	
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2.2 U		2.3 U		2.2 U		2.4 U		2.2 U	
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	4.4 U		4.6 U		4.5 U		4.8 U		4.5 U	
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.4 U		4.6 U		4.5 U		4.8 U		4.5 U	
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	4.4 U		4.6 U		4.5 U		4.8 U		4.5 U	
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	4.4 U		4.6 U		4.5 U		4.8 U		4.5 U	
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.4 U		4.6 U		4.5 U		4.8 U		4.5 U	
<b>Wet Chemistry</b>														
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	280 J ~		400 J ~		290 J ~		240 J ~		260 J ~	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

				Sample Code	Site-specific-soil	SBD-PD-18-R	SBD-PD-18-S	SBD-PD-18-T	SBD-PD-18-U	SBD-PD-18-V
				Sample Name						
				Sample Date		12/19/2007	12/19/2007	12/19/2007	12/20/2007	12/21/2007
Cas Rn	Chemical Name	Analytic Method	Unit \ Depth		178 to 180 ft bgs	188 to 190 ft bgs	198 to 200 ft bgs	208 to 210 ft bgs	218 to 220 ft bgs	
Volatile Organic Compounds										
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	13 #	5 J #	16 #	4.6 J #	4.6 J #	99 #
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	10 U	8.6 U	8.5 U	9.4 U	9.4 U	9.9 U
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	1.2 J #	12 #	4.3 U	4.7 U	4.7 U	4.3 J #
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.5 U	2.2 U	2.1 U	2.3 U	2.3 U	2.5 U
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	10 U	8.6 U	8.5 U	9.4 U	9.4 U	9.9 U
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.5 U	2.2 U	2.1 U	2.3 U	2.3 U	2.5 U
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	5.1 U	4.3 U	1.5 J #	4.7 U	4.7 U	4.9 U
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	10 U	8.6 U	8.5 U	9.4 U	9.4 U	9.9 U
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	5.1 U	4.3 U	4.3 U	4.7 U	4.7 U	4.9 U

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-18-R	SBD-PD-18-S	SBD-PD-18-T	SBD-PD-18-U	SBD-PD-18-V
					12/19/2007 178 to 180 ft bgs	12/19/2007 188 to 190 ft bgs	12/19/2007 198 to 200 ft bgs	12/20/2007 208 to 210 ft bgs	12/21/2007 218 to 220 ft bgs
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	5.1 U	4.3 U	4.3 U	4.7 U	4.9 U
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	5.1 U	4.3 U	4.3 U	4.7 U	4.9 U
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	5.1 U	4.3 U	4.3 U	4.7 U	4.9 U
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	5.1 U	4.3 U	4.3 U	4.7 U	4.9 U
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	5.1 U	4.3 U	4.3 U	4.7 U	4.9 U
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	5.1 U	4.3 U	4.3 U	4.7 U	4.9 U
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	5.1 U	4.3 U	4.3 U	4.7 U	4.9 U
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2.5 U	2.2 U	2.1 U	2.3 U	2.5 U
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	5.1 U	4.3 U	4.3 U	4.7 U	4.9 U
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	5.1 U	4.3 U	4.3 U	4.7 U	4.9 U
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	5.1 U	4.3 U	4.3 U	4.7 U	4.9 U
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	5.1 U	4.3 U	4.3 U	4.7 U	4.9 U
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	5.1 U	4.3 U	4.3 U	4.7 U	4.9 U
<b>Wet Chemistry</b>									
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	220 J ~	210 J ~	300 J ~	290 J ~	220 J ~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-18-W		SBD-PD-18-X		SBD-PD-18-Y		SBD-PD-18-Z	
					12/21/2007 228 to 230 ft bgs		12/21/2007 238 to 240 ft bgs		12/21/2007 248 to 250 ft bgs		12/21/2007 258 to 260 ft bgs	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	TCL-S-VOC	ug/Kg	9400	4.5 U		4.5 U		4.6 U		4.6 U	
74-87-3	Chloromethane	TCL-S-VOC	ug/Kg	1200	4.5 U		4.5 U		4.6 U		4.6 U	
75-01-4	Vinyl Chloride	TCL-S-VOC	ug/Kg	200	4.5 U		4.5 U		4.6 U		4.6 U	
74-83-9	Bromomethane	TCL-S-VOC	ug/Kg	400	4.5 U		4.5 U		4.6 U		4.6 U	
75-00-3	Chloroethane	TCL-S-VOC	ug/Kg	1900	4.5 U		4.5 U		4.6 U		4.6 U	
75-69-4	Trichlorofluoromethane	TCL-S-VOC	ug/Kg	10000	4.5 U		4.5 U		4.6 U		4.6 U	
75-35-4	1,1-Dichloroethene	TCL-S-VOC	ug/Kg	50	4.5 U		4.5 U		4.6 U		4.6 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TCL-S-VOC	ug/Kg	6000	4.5 U		4.5 U		4.6 U		4.6 U	
67-64-1	Acetone	TCL-S-VOC	ug/Kg	200	6 J	#	8.9 U		9.2 U		9.1 U	
75-15-0	Carbon Disulfide	TCL-S-VOC	ug/Kg	2700	4.5 U		4.5 U		4.6 U		4.6 U	
79-20-9	Methyl Acetate	TCL-S-VOC	ug/Kg	10000	4.5 U		4.5 U		4.6 U		4.6 U	
75-09-2	Methylene Chloride	TCL-S-VOC	ug/Kg	100	4.5 U		4.5 U		4.6 U		4.6 U	
156-60-5	trans-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	300	4.5 U		4.5 U		4.6 U		4.6 U	
1634-04-4	Methyl tert-Butyl Ether	TCL-S-VOC	ug/Kg	10000	4.5 U		4.5 U		4.6 U		4.6 U	
75-34-3	1,1-Dichloroethane	TCL-S-VOC	ug/Kg	200	4.5 U		4.5 U		4.6 U		4.6 U	
156-59-2	cis-1,2-Dichloroethene	TCL-S-VOC	ug/Kg	4300	4.5 U		4.5 U		4.6 U		4.6 U	
78-93-3	2-Butanone	TCL-S-VOC	ug/Kg	300	8.9 U		8.9 U		9.2 U		9.1 U	
67-66-3	Chloroform	TCL-S-VOC	ug/Kg	40	4.5 U		4.5 U		4.6 U		4.6 U	
71-55-6	1,1,1-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.5 U		4.5 U		4.6 U		4.6 U	
110-82-7	Cyclohexane	TCL-S-VOC	ug/Kg	10000	4.5 U		4.5 U		4.6 U		4.6 U	
56-23-5	Carbon Tetrachloride	TCL-S-VOC	ug/Kg	200	4.5 U		4.5 U		4.6 U		4.6 U	
71-43-2	Benzene	TCL-S-VOC	ug/Kg	60	4.5 U		4.5 U		4.6 U		4.6 U	
107-06-2	1,2-Dichloroethane	TCL-S-VOC	ug/Kg	100	4.5 U		4.5 U		4.6 U		4.6 U	
79-01-6	Trichloroethene	TCL-S-VOC	ug/Kg	700	4.5 U		4.5 U		4.6 U		4.6 U	
108-87-2	Methylcyclohexane	TCL-S-VOC	ug/Kg	10000	4.5 U		4.5 U		4.6 U		4.6 U	
78-87-5	1,2-Dichloropropane	TCL-S-VOC	ug/Kg	350	4.5 U		4.5 U		4.6 U		4.6 U	
75-27-4	Bromodichloromethane	TCL-S-VOC	ug/Kg	1000	4.5 U		4.5 U		4.6 U		4.6 U	
10061-01-5	cis-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.2 U		2.2 U		2.3 U		2.3 U	
108-10-1	4-Methyl-2-pentanone	TCL-S-VOC	ug/Kg	1000	8.9 U		8.9 U		9.2 U		9.1 U	
108-88-3	Toluene	TCL-S-VOC	ug/Kg	1500	4.5 U		4.5 U		4.6 U		4.6 U	
10061-02-6	trans-1,3-Dichloropropene	TCL-S-VOC	ug/Kg	10000	2.2 U		2.2 U		2.3 U		2.3 U	
79-00-5	1,1,2-Trichloroethane	TCL-S-VOC	ug/Kg	800	4.5 U		4.5 U		4.6 U		4.6 U	
127-18-4	Tetrachloroethene	TCL-S-VOC	ug/Kg	1400	4.5 U		4.5 U		4.6 U		4.6 U	
591-78-6	2-Hexanone	TCL-S-VOC	ug/Kg	10000	8.9 U		8.9 U		9.2 U		9.1 U	
124-48-1	Dibromochloromethane	TCL-S-VOC	ug/Kg	1100	4.5 U		4.5 U		4.6 U		4.6 U	

**Table F-2**  
**Deep Soil Boring Sample Results**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-soil	SBD-PD-18-W		SBD-PD-18-X		SBD-PD-18-Y		SBD-PD-18-Z	
					12/21/2007 228 to 230 ft bgs		12/21/2007 238 to 240 ft bgs		12/21/2007 248 to 250 ft bgs		12/21/2007 258 to 260 ft bgs	
106-93-4	1,2-Dibromoethane	TCL-S-VOC	ug/Kg	10	4.5	U	4.5	U	4.6	U	4.6	U
108-90-7	Chlorobenzene	TCL-S-VOC	ug/Kg	1700	4.5	U	4.5	U	4.6	U	4.6	U
100-41-4	Ethylbenzene	TCL-S-VOC	ug/Kg	5500	4.5	U	4.5	U	4.6	U	4.6	U
179601-23-1	m,p-Xylene	TCL-S-VOC	ug/Kg	N/A	4.5	U	4.5	U	4.6	U	4.6	U
100-42-5	Styrene	TCL-S-VOC	ug/Kg	10000	4.5	U	4.5	U	4.6	U	4.6	U
75-25-2	Bromoform	TCL-S-VOC	ug/Kg	10000	4.5	U	4.5	U	4.6	U	4.6	U
98-82-8	Isopropylbenzene	TCL-S-VOC	ug/Kg	10000	4.5	U	4.5	U	4.6	U	4.6	U
79-34-5	1,1,2,2-Tetrachloroethane	TCL-S-VOC	ug/Kg	400	2.2	U	2.2	U	2.3	U	2.3	U
541-73-1	1,3-Dichlorobenzene	TCL-S-VOC	ug/Kg	1300	4.5	U	4.5	U	4.6	U	4.6	U
106-46-7	1,4-Dichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.5	U	4.5	U	4.6	U	4.6	U
95-50-1	1,2-Dichlorobenzene	TCL-S-VOC	ug/Kg	7900	4.5	U	4.5	U	4.6	U	4.6	U
96-12-8	1,2-Dibromo-3-chloropropane	TCL-S-VOC	ug/Kg	150	4.5	U	4.5	U	4.6	U	4.6	U
120-82-1	1,2,4-Trichlorobenzene	TCL-S-VOC	ug/Kg	3400	4.5	U	4.5	U	4.6	U	4.6	U
<b>Wet Chemistry</b>												
TOC	Total Organic Carbon	Lloyd Kahn	mg/kg	N/A	260	J ~	230	J ~	310	J ~	320	J ~

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/Kg micrograms per kilogram  
mg/Kg milligrams per kilogram  
TCL-S-VOC Target Compound List Volatile Organic Compounds - Soil

**Table F-3a**  
**Deep Soil Boring Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code	Site-specific-GW	SBD-PD-19-GW-A		SBD-PD-19-GW-B		SBD-PD-18-GW-A	
			Sample Name Sample Date Unit \ Depth		12/10/2007 202 to 207 ft bgs		12/11/2007 212 to 217 ft bgs		12/19/2007 192 to 197 ft bgs	
	<b>Volatile Organic Compounds</b>									
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	SW8260B	ug/L	5	0.5 UJ		0.5 UJ		0.5 U	
75-00-3	Chloroethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	SW8260B	ug/L	50	20	#	15	#	5 U	
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	2.5	#	2.1	#	0.5 U	
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	0.5 U		0.5 U		0.54	#
78-93-3	2-Butanone	SW8260B	ug/L	50	5 U		5 U		5 U	
74-97-5	Chlorobromomethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	SW8260B	ug/L	7	0.5 U		0.5 U		0.5 U	
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	0.49 J	#	0.22 J	#	0.5 U	
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	SW8260B	ug/L	1	0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	SW8260B	ug/L	5	12	A	12	A	93	A
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5 U		5 U		5 U	
108-88-3	Toluene	SW8260B	ug/L	5	0.5 U		0.5 U		45	A
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	0.44 J	#	0.34 J	#	4.7	#
591-78-6	2-Hexanone	SW8260B	ug/L	50	5 U		5 U		5 U	

**Table F-3a**  
**Deep Soil Boring Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	SBD-PD-19-GW-A		SBD-PD-19-GW-B		SBD-PD-18-GW-A	
					12/10/2007 202 to 207 ft bgs		12/11/2007 212 to 217 ft bgs		12/19/2007 192 to 197 ft bgs	
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	0.5	U	0.5	U	0.5	U
108-90-7	Chlorobenzene	SW8260B	ug/L	5	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	SW8260B	ug/L	5	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	SW8260B	ug/L	N/A	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	SW8260B	ug/L	5	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	SW8260B	ug/L	50	0.5	U	0.5	U	0.5	UJ
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	SW8260B	ug/L	5	0.5	U	0.5	U	0.5	U

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3a**  
**Deep Soil Boring Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	SBD-PD-18-GW-B		SBD-PD-16-GW-A		SBD-PD-16-GW-B	
					12/20/2007 202 to 207 ft bgs		1/2/2008 201 to 206 ft bgs		1/3/2008 212 to 217 ft bgs	
	<b>Volatile Organic Compounds</b>									
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.22 J	#
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	0.5 UJ		0.5 U		0.5 U	
74-83-9	Bromomethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	SW8260B	ug/L	50	66	A	16 U		5.6 U	
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	0.5 U		4.4	#	1.6	#
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	0.38 J	#	0.5 U		0.21 J	#
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
78-93-3	2-Butanone	SW8260B	ug/L	50	5 U		5 U		5 U	
74-97-5	Chlorobromomethane	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	SW8260B	ug/L	7	1.1	#	0.99 U		0.53 U	
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	1.3	#	0.52	#	0.45 J	#
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	SW8260B	ug/L	1	0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	SW8260B	ug/L	5	10	A	16	A	1	#
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5 U		5 U		5 U	
108-88-3	Toluene	SW8260B	ug/L	5	4.7	#	0.21 J	#	0.5 U	
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	0.81	#	0.63	#	0.4 J	#
591-78-6	2-Hexanone	SW8260B	ug/L	50	5 U		5 U		5 U	



**Table F-3a**  
**Deep Soil Boring Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	SBD-PD-18-GW-B	SBD-PD-16-GW-A	SBD-PD-16-GW-B
					12/20/2007 202 to 207 ft bgs	1/2/2008 201 to 206 ft bgs	1/3/2008 212 to 217 ft bgs
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	0.5 U	0.5 U	0.5 U
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	0.5 U	0.5 U	0.5 U
108-90-7	Chlorobenzene	SW8260B	ug/L	5	0.5 U	0.5 U	0.5 U
100-41-4	Ethylbenzene	SW8260B	ug/L	5	0.5 U	0.5 U	0.5 U
179601-23-1	m,p-Xylene	SW8260B	ug/L	N/A	0.5 U	0.5 U	0.5 U
100-42-5	Styrene	SW8260B	ug/L	5	0.5 U	0.5 U	0.5 U
75-25-2	Bromoform	SW8260B	ug/L	50	0.5 U	0.5 U	0.5 U
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	0.5 U	0.5 U	0.5 U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	0.5 U	0.5 U	0.5 U
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	0.5 U	0.5 U	0.5 U
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	0.5 U	0.5 U	0.5 U
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	0.5 U	0.5 U	0.5 U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	0.5 U	0.5 U	0.5 U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	0.5 U	0.5 U	0.5 U
87-61-6	1,2,3-Trichlorobenzene	SW8260B	ug/L	5	0.5 U	0.5 U	0.5 U

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3a**  
**Deep Soil Boring Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	SBD-PD-17-GW-A		SBD-PD-17-GW-B	
					1/8/2008 192 to 197 ft bgs		1/9/2008 202 to 207 ft bgs	
	<b>Volatile Organic Compounds</b>							
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	0.5 U		0.5 U	
74-87-3	Chloromethane	SW8260B	ug/L	5	0.5 U		0.73 U	
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	0.5 U		0.5 U	
74-83-9	Bromomethane	SW8260B	ug/L	5	0.5 U		0.5 U	
75-00-3	Chloroethane	SW8260B	ug/L	5	0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	0.5 U		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	0.5 U		0.5 U	
67-64-1	Acetone	SW8260B	ug/L	50	11 U		5 U	
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	0.5 U		0.5 U	
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	0.5 U		0.5 U	
75-09-2	Methylene Chloride	SW8260B	ug/L	5	0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	0.3 J #		1.4 #	
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	0.5 U		0.5 U	
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	1.5 #		0.5 U	
78-93-3	2-Butanone	SW8260B	ug/L	50	5 U		5 U	
74-97-5	Chlorobromomethane	SW8260B	ug/L	5	0.5 U		0.5 U	
67-66-3	Chloroform	SW8260B	ug/L	7	0.5 U		0.81 U	
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	0.5 U		0.24 J #	
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	0.5 U		0.5 U	
71-43-2	Benzene	SW8260B	ug/L	1	0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	0.5 U		0.5 U	
79-01-6	Trichloroethene	SW8260B	ug/L	5	200 A		16 A	
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	0.5 U		0.5 U	
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5 U		5 U	
108-88-3	Toluene	SW8260B	ug/L	5	0.74 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	0.5 U		0.5 U	
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	2.6 #		0.76 #	
591-78-6	2-Hexanone	SW8260B	ug/L	50	5 U		5 U	

**Table F-3a**  
**Deep Soil Boring Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	SBD-PD-17-GW-A		SBD-PD-17-GW-B	
					1/8/2008 192 to 197 ft bgs		1/9/2008 202 to 207 ft bgs	
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	0.5	U	0.5	U
108-90-7	Chlorobenzene	SW8260B	ug/L	5	0.5	U	0.5	U
100-41-4	Ethylbenzene	SW8260B	ug/L	5	0.5	U	0.5	U
179601-23-1	m,p-Xylene	SW8260B	ug/L	N/A	0.5	U	0.5	U
100-42-5	Styrene	SW8260B	ug/L	5	0.5	U	0.5	U
75-25-2	Bromoform	SW8260B	ug/L	50	0.5	U	0.5	U
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	SW8260B	ug/L	5	0.5	U	0.5	U

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-11-GW-A		MW-PD-11-GW-B		MW-PD-11-GW-C		MW-PD-12-GW-A	
					1/16/2008 -20.58 to -25.58 at amsl		1/16/2008 -30.58 to -35.58 ft amsl		1/16/2008 -40.58 to -45.58 ft amsl		1/24/2008 -66.92 to -71.92 ft amsl	
	<b>Volatile Organic Compounds</b>											
67-64-1	Acetone	SW8260B	ug/L	50	6 U		5 U		5 U		7	#
71-43-2	Benzene	SW8260B	ug/L	1	5 U		5 U		5 U		5 U	
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
75-25-2	Bromoform	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
74-83-9	Bromomethane	SW8260B	ug/L	5	5 UJ		5 UJ		6 J	A	6 UJ	
78-93-3	2-Butanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
75-00-3	Chloroethane	SW8260B	ug/L	5	5 UJ		5 UJ		5 UJ		5 UJ	
67-66-3	Chloroform	SW8260B	ug/L	7	5 U		5 U		5 U		5 U	
74-87-3	Chloromethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5 U		5 U		5 U		5 U	
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5 U		5 U		5 U		5 U	
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 UJ	
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5 U		5 U		5 U		5 U	
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5 U		5 U		5 U		5 U	
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U		5 U		5 U		5 U	
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U		5 U		5 U		5 U	
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
591-78-6	2-Hexanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-11-GW-A	MW-PD-11-GW-B	MW-PD-11-GW-C	MW-PD-12-GW-A
					1/16/2008 -20.58 to -25.58 at amsl	1/16/2008 -30.58 to -35.58 ft amsl	1/16/2008 -40.58 to -45.58 ft amsl	1/24/2008 -66.92 to -71.92 ft amsl
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	5 U	5 U	5 U	5 U
100-42-5	Styrene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
108-88-3	Toluene	SW8260B	ug/L	5	5 U	5 U	5 U	38 A
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	5 U	5 U	5 U	5 U
79-01-6	Trichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	34 A
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 UJ
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	5 U	5 U	5 U	5 UJ
1330-20-7	Xylenes (total)	SW8260B	ug/L	5	5 U	5 U	5 U	5 U

Notes:

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-12-GW-AA		MW-PD-12-GW-AA-DUP MW-PD-21-GW-AA		MW-PD-12-GW-AAA		MW-PD-12-GW-B	
					2/6/2008 -36.92 to -41.92 ft amsl		2/6/2008 -36.92 to -41.92 ft amsl		2/6/2008 -6.92 to -11.92 ft amsl		1/31/2008 -96.92 to 101.92 ft amsl	
	<b>Volatile Organic Compounds</b>											
67-64-1	Acetone	SW8260B	ug/L	50	5 UJ		5 UJ		5 U		5 U	
71-43-2	Benzene	SW8260B	ug/L	1	5 U		5 U		5 U		5 U	
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
75-25-2	Bromoform	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
74-83-9	Bromomethane	SW8260B	ug/L	5	6 A		5 #		5 #		5 U	
78-93-3	2-Butanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
75-00-3	Chloroethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
67-66-3	Chloroform	SW8260B	ug/L	7	5 U		5 U		5 U		5 U	
74-87-3	Chloromethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5 U		5 U		5 U		5 U	
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5 U		5 U		5 U		5 U	
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5 U		5 U		5 U		5 U	
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5 U		5 U		5 U		5 U	
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U		5 U		5 U		5 U	
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U		5 U		5 U		5 U	
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
591-78-6	2-Hexanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Sample Code Sample Name Sample Date Analytic Met Unit \ Depth	Site-specific-GW	MW-PD-12-GW-AA		MW-PD-12-GW-AA-DUP MW-PD-21-GW-AA		MW-PD-12-GW-AAA		MW-PD-12-GW-B	
				2/6/2008 -36.92 to -41.92 ft amsl		2/6/2008 -36.92 to -41.92 ft amsl		2/6/2008 -6.92 to -11.92 ft amsl		1/31/2008 -96.92 to 101.92 ft amsl	
1634-04-4	Methyl tert-Butyl Ether	SW8260B ug/L	10	5	U	5	U	5	U	5	U
100-42-5	Styrene	SW8260B ug/L	5	5	U	5	U	5	U	5	U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B ug/L	5	5	U	5	U	5	U	5	U
127-18-4	Tetrachloroethene	SW8260B ug/L	5	5	U	5	U	5	U	5	U
108-88-3	Toluene	SW8260B ug/L	5	5	#	6	A	5	U	5	U
120-82-1	1,2,4-Trichlorobenzene	SW8260B ug/L	5	5	U	5	U	5	U	5	U
71-55-6	1,1,1-Trichloroethane	SW8260B ug/L	5	5	U	5	U	5	U	5	U
79-00-5	1,1,2-Trichloroethane	SW8260B ug/L	1	5	U	5	U	5	U	5	U
79-01-6	Trichloroethene	SW8260B ug/L	5	52	A	43	A	130	A	33	A
75-69-4	Trichlorofluoromethane	SW8260B ug/L	5	5	U	5	U	5	U	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B ug/L	5	5	U	5	U	5	U	5	U
75-01-4	Vinyl Chloride	SW8260B ug/L	2	5	U	5	U	5	U	5	U
1330-20-7	Xylenes (total)	SW8260B ug/L	5	5	U	5	U	5	U	5	U

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-12-GW-C	MW-PD-13-GW-A	MW-PD-13-GW-B	MW-PD-13-GW-C
					2/5/2008 -126.92 to -131.92 ft amsl	5/19/2008 17.3 to 12.6 ft amsl	5/19/2008 -2.7 to -7.7 ft amsl	5/19/2008 -32.7 to -37.7 ft amsl
	<b>Volatile Organic Compounds</b>							
67-64-1	Acetone	SW8260B	ug/L	50	5 UJ	5 U	5 U	5 U
71-43-2	Benzene	SW8260B	ug/L	1	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
75-25-2	Bromoform	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	SW8260B	ug/L	5	5 U	5 UJ	5 UJ	5 UJ
78-93-3	2-Butanone	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5 U	5 UL	5 UL	5 UL
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	SW8260B	ug/L	5	5 U	5 UJ	5 UJ	5 UJ
67-66-3	Chloroform	SW8260B	ug/L	7	5 U	5 U	5 U	5 U
74-87-3	Chloromethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5 U	5 U	5 U	5 U
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5 U	5 U	5 U	5 U
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5 U	5 U	5 U	5 U
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5 U	5 U	5 U	5 U
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5 U	5 U	5 U	5 U
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5 U	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5 U	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U	5 U	5 U	5 U
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5 U	5 U	5 U	5 U
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5 U	5 U	5 U	5 U



**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-12-GW-C	MW-PD-13-GW-A	MW-PD-13-GW-B	MW-PD-13-GW-C
					2/5/2008 -126.92 to -131.92 ft amsl	5/19/2008 17.3 to 12.6 ft amsl	5/19/2008 -2.7 to -7.7 ft amsl	5/19/2008 -32.7 to -37.7 ft amsl
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	5 U	5 U	5 U	5 U
100-42-5	Styrene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
108-88-3	Toluene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	5 U	5 U	5 U	5 U
79-01-6	Trichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	5 U	5 U	5 U	5 U
1330-20-7	Xylenes (total)	SW8260B	ug/L	5	5 U	5 U	5 U	5 U

Notes:

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-14-GW-A		MW-PD-14-GW-A-DUP MW-PD-41-GW-A		MW-PD-14-GW-B		MW-PD-14-GW-C	
					4/9/2008 -31.8 to -36.8 ft amsl		4/9/2008 -31.8 to -36.8 ft amsl		4/10/2008 -61.8 to -66.8 ft amsl		4/22/2008 -91.8 to -96.8 ft amsl	
	<b>Volatile Organic Compounds</b>											
67-64-1	Acetone	SW8260B	ug/L	50	5	UJ	5	UJ	5	UL	5	UJ
71-43-2	Benzene	SW8260B	ug/L	1	5	U	5	U	5	U	5	U
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5	U	5	U	5	U	5	U
75-25-2	Bromoform	SW8260B	ug/L	50	5	U	5	U	5	U	5	U
74-83-9	Bromomethane	SW8260B	ug/L	5	5	U	5	U	5	UJ	5	UJ
78-93-3	2-Butanone	SW8260B	ug/L	50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5	U	5	U	5	U	5	U
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
75-00-3	Chloroethane	SW8260B	ug/L	5	5	UJ	5	UJ	5	UJ	5	UJ
67-66-3	Chloroform	SW8260B	ug/L	7	5	U	5	U	5	U	5	U
74-87-3	Chloromethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5	UJ	5	UJ	5	U	5	U
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5	U	5	U	5	U	5	U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5	U	5	U	5	U	5	U
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5	U	5	U	5	U	5	U
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5	U	5	U	5	U	5	U
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5	U	5	U	5	U	5	U
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5	U	5	U	5	U	5	U
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5	UJ	5	UJ	5	UJ	5	UJ
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5	U	5	U	5	U	5	U
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5	U	5	U	5	U	5	U
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5	U	5	U	5	U	5	U
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5	U	5	U	5	U	5	U
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
591-78-6	2-Hexanone	SW8260B	ug/L	50	5	U	5	U	5	U	5	U
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5	U	5	U	5	U	5	U
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5	U	5	U	5	U	5	U
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5	U	5	U	5	U	5	U

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MW-PD-14-GW-A		MW-PD-14-GW-A-DUP MW-PD-41-GW-A		MW-PD-14-GW-B		MW-PD-14-GW-C	
						4/9/2008		4/9/2008		4/10/2008		4/22/2008	
						-31.8 to -36.8 ft amsl		-31.8 to -36.8 ft amsl		-61.8 to -66.8 ft amsl		-91.8 to -96.8 ft amsl	
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L		10	6	#	6	#	5	U	5	U
100-42-5	Styrene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
127-18-4	Tetrachloroethene	SW8260B	ug/L		5	5	U	5	U	6	A	5	U
108-88-3	Toluene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L		1	5	U	5	U	5	U	5	U
79-01-6	Trichloroethene	SW8260B	ug/L		5	21	A	21	A	410	A	220	A
75-69-4	Trichlorofluoromethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
75-01-4	Vinyl Chloride	SW8260B	ug/L		2	5	U	5	U	5	U	5	U
1330-20-7	Xylenes (total)	SW8260B	ug/L		5	5	U	5	U	5	U	5	U

Notes:

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-14-GW-D	MW-PD-15-GW-A	MW-PD-15-GW-B	MW-PD-15-GW-C
					4/22/2008 -121.8 to -126.8 ft amsl	5/6/2008 -54.46 to -59.46 ft amsl	5/6/2008 -84.46 to -89.46 ft amsl	5/6/2008 -114.49 to -119.46 ft amsl
	<b>Volatile Organic Compounds</b>							
67-64-1	Acetone	SW8260B	ug/L	50	5 UJ	5 U	5 U	5 U
71-43-2	Benzene	SW8260B	ug/L	1	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
75-25-2	Bromoform	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	SW8260B	ug/L	5	11 J A	5 U	5 U	5 U
78-93-3	2-Butanone	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	SW8260B	ug/L	5	5 UJ	5 UJ	5 UJ	5 UJ
67-66-3	Chloroform	SW8260B	ug/L	7	5 U	5 U	5 U	5 U
74-87-3	Chloromethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5 U	5 U	5 U	5 U
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5 U	5 U	5 U	5 U
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5 U	5 U	5 U	5 U
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5 U	5 U	5 U	5 U
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5 U	5 U	5 U	5 U
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5 UJ	5 UL	5 UL	5 UL
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5 U	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5 U	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U	5 U	5 U	5 U
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5 U	5 U	5 U	5 U
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5 U	5 U	5 U	5 U

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-14-GW-D		MW-PD-15-GW-A		MW-PD-15-GW-B		MW-PD-15-GW-C	
					4/22/2008 -121.8 to -126.8 ft amsl		5/6/2008 -54.46 to -59.46 ft amsl		5/6/2008 -84.46 to -89.46 ft amsl		5/6/2008 -114.49 to -119.46 ft amsl	
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	5	U	5	U	5	U	5	U
100-42-5	Styrene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
108-88-3	Toluene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	5	U	5	U	5	U	5	U
79-01-6	Trichloroethene	SW8260B	ug/L	5	34	A	12	A	24	A	42	A
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	5	U	5	U	5	U	5	U
1330-20-7	Xylenes (total)	SW8260B	ug/L	5	5	U	5	U	5	U	5	U

Notes:

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

			Sample Code	Site-specific-GW	MW-PD-16-GW-A	MW-PD-16-GW-B	MW-PD-16-GW-C	MW-PD-16-GW-D	
			Sample Name						
			Sample Date						
Cas Rn	Chemical Name	Analytic Met Unit \ Depth			2/25/2008 -18.69 to -23.69 ft amsl	2/25/2008 -48.69 to -53.69 ft amsl	2/25/2008 -78.69 to -83.69 ft amsl	2/28/2008 -108.69 to -113.69 ft amsl	
Volatile Organic Compounds									
67-64-1	Acetone	SW8260B ug/L	50	5 UL	5 UL	5 UL	5 UL	5 UL	
71-43-2	Benzene	SW8260B ug/L	1	5 U	5 U	5 U	5 U	5 U	
75-27-4	Bromodichloromethane	SW8260B ug/L	50	5 U	5 U	5 U	5 U	5 U	
75-25-2	Bromoform	SW8260B ug/L	50	5 U	5 U	5 U	5 U	5 U	
74-83-9	Bromomethane	SW8260B ug/L	5	5 U	6 K	A	5 U	5 U	
78-93-3	2-Butanone	SW8260B ug/L	50	5 U	5 U	5 U	5 U	5 U	
75-15-0	Carbon Disulfide	SW8260B ug/L	50	5 U	5 U	5 U	5 U	5 U	
56-23-5	Carbon Tetrachloride	SW8260B ug/L	5	5 U	5 U	5 U	5 U	5 U	
108-90-7	Chlorobenzene	SW8260B ug/L	5	5 U	5 U	5 U	5 U	5 U	
75-00-3	Chloroethane	SW8260B ug/L	5	5 U	5 U	5 U	5 U	5 U	
67-66-3	Chloroform	SW8260B ug/L	7	5 U	5 U	5 U	5 U	5 U	
74-87-3	Chloromethane	SW8260B ug/L	5	5 U	5 U	5 U	5 U	5 U	
110-82-7	Cyclohexane	SW8260B ug/L	N/A	5 U	5 U	5 U	5 U	5 U	
124-48-1	Dibromochloromethane	SW8260B ug/L	50	5 U	5 U	5 U	5 U	5 U	
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B ug/L	0.04	5 U	5 U	5 U	5 U	5 U	
106-93-4	1,2-Dibromoethane	SW8260B ug/L	0.0006	5 U	5 U	5 U	5 U	5 U	
95-50-1	1,2-Dichlorobenzene	SW8260B ug/L	3	5 U	5 U	5 U	5 U	5 U	
541-73-1	1,3-Dichlorobenzene	SW8260B ug/L	3	5 U	5 U	5 U	5 U	5 U	
106-46-7	1,4-Dichlorobenzene	SW8260B ug/L	3	5 U	5 U	5 U	5 U	5 U	
75-71-8	Dichlorodifluoromethane	SW8260B ug/L	5	5 U	5 U	5 U	5 U	5 U	
75-34-3	1,1-Dichloroethane	SW8260B ug/L	5	5 U	5 U	5 U	5 U	5 U	
107-06-2	1,2-Dichloroethane	SW8260B ug/L	0.6	5 U	5 U	5 U	5 U	5 U	
75-35-4	1,1-Dichloroethene	SW8260B ug/L	5	5 U	5 U	5 U	5 U	5 U	
156-59-2	cis-1,2-Dichloroethene	SW8260B ug/L	5	5 U	5 U	9	A	13	A
156-60-5	trans-1,2-Dichloroethene	SW8260B ug/L	5	5 U	5 U	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	SW8260B ug/L	1	5 U	5 U	5 U	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	SW8260B ug/L	0.4	5 U	5 U	5 U	5 U	5 U	5 U
10061-02-6	trans-1,3-Dichloropropene	SW8260B ug/L	0.4	5 U	5 U	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	SW8260B ug/L	5	5 U	5 U	5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	SW8260B ug/L	50	5 U	5 U	5 U	5 U	5 U	5 U
98-82-8	Isopropylbenzene	SW8260B ug/L	5	5 U	5 U	5 U	5 U	5 U	5 U
79-20-9	Methyl Acetate	SW8260B ug/L	N/A	5 U	5 U	5 U	5 U	5 U	5 U
108-87-2	Methylcyclohexane	SW8260B ug/L	N/A	5 U	5 U	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	SW8260B ug/L	5	5 U	5 U	5 U	5 U	5 U	5 U
108-10-1	4-Methyl-2-pentanone	SW8260B ug/L	50	5 U	5 U	5 U	5 U	5 U	5 U

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-16-GW-A	MW-PD-16-GW-B	MW-PD-16-GW-C	MW-PD-16-GW-D
					2/25/2008 -18.69 to -23.69 ft amsl	2/25/2008 -48.69 to -53.69 ft amsl	2/25/2008 -78.69 to -83.69 ft amsl	2/28/2008 -108.69 to -113.69 ft amsl
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	5 U	5 U	5 U	5 U
100-42-5	Styrene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	5 U	5 U	9 A	18 A
108-88-3	Toluene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	5 U	5 U	5 U	5 U
79-01-6	Trichloroethene	SW8260B	ug/L	5	5 U	70 A	800 A	2000 A
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	5 U	5 U	5 U	5 U
1330-20-7	Xylenes (total)	SW8260B	ug/L	5	5 U	5 U	5 U	5 U

Notes:

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

			Sample Code Sample Name Sample Date	Site-specific-GW	MW-PD-16-GW-D-DUP MW-PD-61-GW-D 2/28/2008		MW-PD-16-GW-E 3/6/2008		MW-PD-16-GW-F 3/6/2008		MW-PD-17-GW-A 2/12/2008	
Cas Rn	Chemical Name	Analytic Met	Unit \ Depth		-108.69 to -113.69 ft amsl		-138.69 to -143.69 ft amsl		-158.69 to -163.69 ft amsl		-44.51 to -49.51 ft amsl	
Volatile Organic Compounds												
67-64-1	Acetone	SW8260B	ug/L	50	5	UL	12	L #	5	UL	5	UJ
71-43-2	Benzene	SW8260B	ug/L	1	5	U	5	U	5	U	5	U
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5	U	5	U	5	U	5	U
75-25-2	Bromoform	SW8260B	ug/L	50	5	U	5	U	5	U	5	U
74-83-9	Bromomethane	SW8260B	ug/L	5	6	U	5	U	6	U	7	J A
78-93-3	2-Butanone	SW8260B	ug/L	50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5	U	5	U	5	U	5	U
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
75-00-3	Chloroethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
67-66-3	Chloroform	SW8260B	ug/L	7	5	U	5	U	5	U	5	U
74-87-3	Chloromethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5	U	5	U	5	U	5	U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5	U	5	U	5	U	5	U
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5	U	5	U	5	U	5	U
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5	U	5	U	5	U	5	U
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5	U	5	U	5	U	5	U
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5	U	5	U	5	U	5	U
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5	U	5	U	5	U	5	U
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	13	A	6	A	5	U	5	U
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5	U	5	U	5	U	5	U
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5	U	5	U	5	U	5	U
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5	U	5	U	5	U	5	U
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
591-78-6	2-Hexanone	SW8260B	ug/L	50	5	U	5	U	5	U	5	U
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5	U	5	U	5	U	5	U
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5	U	5	U	5	U	5	U
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5	U	5	U	5	U	5	U



**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Unit	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-16-GW-D-DUP MW-PD-61-GW-D 2/28/2008 -108.69 to -113.69 ft amsl		MW-PD-16-GW-E 3/6/2008 -138.69 to -143.69 ft amsl		MW-PD-16-GW-F 3/6/2008 -158.69 to -163.69 ft amsl		MW-PD-17-GW-A 2/12/2008 -44.51 to -49.51 ft amsl	
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L		10	5	U	5	U	5	U	6	#
100-42-5	Styrene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
127-18-4	Tetrachloroethene	SW8260B	ug/L		5	18	A	6	A	5	U	5	U
108-88-3	Toluene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L		1	5	U	5	U	5	U	5	U
79-01-6	Trichloroethene	SW8260B	ug/L		5	2000	A	800	A	190	A	5	U
75-69-4	Trichlorofluoromethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
75-01-4	Vinyl Chloride	SW8260B	ug/L		2	5	U	5	U	5	U	5	U
1330-20-7	Xylenes (total)	SW8260B	ug/L		5	5	U	5	U	5	U	5	U

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-17-GW-B		MW-PD-17-GW-C	
					2/13/2008 -54.51 to -59.51 ft amsl		2/13/2008 -64.51 to -69.51	
	<b>Volatile Organic Compounds</b>							
67-64-1	Acetone	SW8260B	ug/L	50	5	UJ	5	UJ
71-43-2	Benzene	SW8260B	ug/L	1	5	U	5	U
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5	U	5	U
75-25-2	Bromoform	SW8260B	ug/L	50	5	U	5	U
74-83-9	Bromomethane	SW8260B	ug/L	5	7	J A	6	J A
78-93-3	2-Butanone	SW8260B	ug/L	50	5	U	5	U
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5	U	5	U
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5	U	5	U
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5	U	5	U
75-00-3	Chloroethane	SW8260B	ug/L	5	5	U	5	U
67-66-3	Chloroform	SW8260B	ug/L	7	5	U	5	U
74-87-3	Chloromethane	SW8260B	ug/L	5	5	U	5	U
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5	U	5	U
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5	U	5	U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5	U	5	U
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5	U	5	U
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5	U	5	U
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5	U	5	U
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5	U	5	U
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5	U	5	U
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5	U	5	U
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5	U	5	U
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5	U	5	U
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	5	U	5	U
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5	U	5	U
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5	U	5	U
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5	U	5	U
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5	U	5	U
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5	U	5	U
591-78-6	2-Hexanone	SW8260B	ug/L	50	5	U	5	U
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5	U	5	U
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5	U	5	U
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5	U	5	U
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5	U	5	U
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5	U	5	U

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code	Site-specific-GW	MW-PD-17-GW-B		MW-PD-17-GW-C	
			Sample Name Sample Date Unit \ Depth		2/13/2008 -54.51 to -59.51 ft amsl		2/13/2008 -64.51 to -69.51	
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	5	U	5	U
100-42-5	Styrene	SW8260B	ug/L	5	5	U	5	U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	5	U	5	U
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	5	U	5	U
108-88-3	Toluene	SW8260B	ug/L	5	5	U	5	U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	5	U	5	U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	5	U	5	U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	5	U	5	U
79-01-6	Trichloroethene	SW8260B	ug/L	5	5	U	5	U
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	5	U	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	5	U	5	U
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	5	U	5	U
1330-20-7	Xylenes (total)	SW8260B	ug/L	5	5	U	5	U

Notes:

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-11-GW-A		MW-PD-11-GW-B		MW-PD-11-GW-C		MW-PD-12-GW-A	
					1/16/2008 185 to 190 ft bgs		1/16/2008 195 to 200 ft bgs		1/16/2008 205 to 210 ft bgs		1/24/2008 210 to 215 ft bgs	
	<b>Volatile Organic Compounds</b>											
67-64-1	Acetone	SW8260B	ug/L	50	6 U		5 U		5 U		7 U	#
71-43-2	Benzene	SW8260B	ug/L	1	5 U		5 U		5 U		5 U	
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
75-25-2	Bromoform	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
74-83-9	Bromomethane	SW8260B	ug/L	5	5 UJ		5 UJ		6 J	A	6 UJ	
78-93-3	2-Butanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
75-00-3	Chloroethane	SW8260B	ug/L	5	5 UJ		5 UJ		5 UJ		5 UJ	
67-66-3	Chloroform	SW8260B	ug/L	7	5 U		5 U		5 U		5 U	
74-87-3	Chloromethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5 U		5 U		5 U		5 U	
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5 U		5 U		5 U		5 U	
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 UJ	
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5 U		5 U		5 U		5 U	
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5 U		5 U		5 U		5 U	
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U		5 U		5 U		5 U	
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U		5 U		5 U		5 U	
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
591-78-6	2-Hexanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-11-GW-A	MW-PD-11-GW-B	MW-PD-11-GW-C	MW-PD-12-GW-A
					1/16/2008 185 to 190 ft bgs	1/16/2008 195 to 200 ft bgs	1/16/2008 205 to 210 ft bgs	1/24/2008 210 to 215 ft bgs
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	5 U	5 U	5 U	5 U
100-42-5	Styrene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
108-88-3	Toluene	SW8260B	ug/L	5	5 U	5 U	5 U	38 U A
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	5 U	5 U	5 U	5 U
79-01-6	Trichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	34 U A
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	5 U	5 U	5 U	5 U
1330-20-7	Xylenes (total)	SW8260B	ug/L	5	5 U	5 U	5 U	5 U

Notes:

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft. feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

			Sample Code	Site-specific-GW	MW-PD-12-GW-AA		MW-PD-12-GW-AA-DUP		MW-PD-12-GW-AAA		MW-PD-12-GW-B		
			Sample Name				MW-PD-21-GW-AA						
			Sample Date		2/6/2008		2/6/2008		2/6/2008		1/31/2008		
Cas Rn	Chemical Name	Analytic Met Unit \ Depth			180 to 185 ft bgs		180 to 185 ft bgs		150 to 155 ft bgs		240 to 245 ft bgs		
Volatile Organic Compounds													
67-64-1	Acetone	SW8260B ug/L		50	5	UJ		5	UJ	5	U	5	U
71-43-2	Benzene	SW8260B ug/L		1	5	U		5	U	5	U	5	U
75-27-4	Bromodichloromethane	SW8260B ug/L		50	5	U		5	U	5	U	5	U
75-25-2	Bromoform	SW8260B ug/L		50	5	U		5	U	5	U	5	U
74-83-9	Bromomethane	SW8260B ug/L		5	6		A	5	#	5	#	5	U
78-93-3	2-Butanone	SW8260B ug/L		50	5	U		5	U	5	U	5	U
75-15-0	Carbon Disulfide	SW8260B ug/L		50	5	U		5	U	5	U	5	U
56-23-5	Carbon Tetrachloride	SW8260B ug/L		5	5	U		5	U	5	U	5	U
108-90-7	Chlorobenzene	SW8260B ug/L		5	5	U		5	U	5	U	5	U
75-00-3	Chloroethane	SW8260B ug/L		5	5	U		5	U	5	U	5	U
67-66-3	Chloroform	SW8260B ug/L		7	5	U		5	U	5	U	5	U
74-87-3	Chloromethane	SW8260B ug/L		5	5	U		5	U	5	U	5	U
110-82-7	Cyclohexane	SW8260B ug/L		N/A	5	U		5	U	5	U	5	U
124-48-1	Dibromochloromethane	SW8260B ug/L		50	5	U		5	U	5	U	5	U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B ug/L		0.04	5	U		5	U	5	U	5	U
106-93-4	1,2-Dibromoethane	SW8260B ug/L		0.0006	5	U		5	U	5	U	5	U
95-50-1	1,2-Dichlorobenzene	SW8260B ug/L		3	5	U		5	U	5	U	5	U
541-73-1	1,3-Dichlorobenzene	SW8260B ug/L		3	5	U		5	U	5	U	5	U
106-46-7	1,4-Dichlorobenzene	SW8260B ug/L		3	5	U		5	U	5	U	5	U
75-71-8	Dichlorodifluoromethane	SW8260B ug/L		5	5	U		5	U	5	U	5	U
75-34-3	1,1-Dichloroethane	SW8260B ug/L		5	5	U		5	U	5	U	5	U
107-06-2	1,2-Dichloroethane	SW8260B ug/L		0.6	5	U		5	U	5	U	5	U
75-35-4	1,1-Dichloroethene	SW8260B ug/L		5	5	U		5	U	5	U	5	U
156-59-2	cis-1,2-Dichloroethene	SW8260B ug/L		5	5	U		5	U	5	U	5	U
156-60-5	trans-1,2-Dichloroethene	SW8260B ug/L		5	5	U		5	U	5	U	5	U
78-87-5	1,2-Dichloropropane	SW8260B ug/L		1	5	U		5	U	5	U	5	U
10061-01-5	cis-1,3-Dichloropropene	SW8260B ug/L		0.4	5	U		5	U	5	U	5	U
10061-02-6	trans-1,3-Dichloropropene	SW8260B ug/L		0.4	5	U		5	U	5	U	5	U
100-41-4	Ethylbenzene	SW8260B ug/L		5	5	U		5	U	5	U	5	U
591-78-6	2-Hexanone	SW8260B ug/L		50	5	U		5	U	5	U	5	U
98-82-8	Isopropylbenzene	SW8260B ug/L		5	5	U		5	U	5	U	5	U
79-20-9	Methyl Acetate	SW8260B ug/L		N/A	5	U		5	U	5	U	5	U
108-87-2	Methylcyclohexane	SW8260B ug/L		N/A	5	U		5	U	5	U	5	U
75-09-2	Methylene Chloride	SW8260B ug/L		5	5	U		5	U	5	U	5	U
108-10-1	4-Methyl-2-pentanone	SW8260B ug/L		50	5	U		5	U	5	U	5	U

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MW-PD-12-GW-AA		MW-PD-12-GW-AA-DUP MW-PD-21-GW-AA		MW-PD-12-GW-AAA		MW-PD-12-GW-B	
						2/6/2008 180 to 185 ft bgs		2/6/2008 180 to 185 ft bgs		2/6/2008 150 to 155 ft bgs		1/31/2008 240 to 245 ft bgs	
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L		10	5	U	5	U	5	U	5	U
100-42-5	Styrene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
127-18-4	Tetrachloroethene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
108-88-3	Toluene	SW8260B	ug/L		5	5	U	6	A	5	U	5	U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L		1	5	U	5	U	5	U	5	U
79-01-6	Trichloroethene	SW8260B	ug/L		5	52	A	43	A	130	A	33	A
75-69-4	Trichlorofluoromethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
75-01-4	Vinyl Chloride	SW8260B	ug/L		2	5	U	5	U	5	U	5	U
1330-20-7	Xylenes (total)	SW8260B	ug/L		5	5	U	5	U	5	U	5	U

Notes:

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-12-GW-C		MW-PD-13-GW-A		MW-PD-13-GW-B		MW-PD-13-GW-C	
					2/5/2008		5/19/2008		5/19/2008		5/19/2008	
					270 to 275 ft bgs		160 to 165 ft bgs		180 to 185 ft bgs		210 to 215 ft bgs	
	<b>Volatile Organic Compounds</b>											
67-64-1	Acetone	SW8260B	ug/L	50	5 UJ		5 U		5 U		5 U	
71-43-2	Benzene	SW8260B	ug/L	1	5 U		5 U		5 U		5 U	
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
75-25-2	Bromoform	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
74-83-9	Bromomethane	SW8260B	ug/L	5	5 U		5 UJ		5 UJ		5 UJ	
78-93-3	2-Butanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5 U		5 UL		5 UL		5 UL	
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
75-00-3	Chloroethane	SW8260B	ug/L	5	5 U		5 UJ		5 UJ		5 UJ	
67-66-3	Chloroform	SW8260B	ug/L	7	5 U		5 U		5 U		5 U	
74-87-3	Chloromethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5 U		5 U		5 U		5 U	
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5 U		5 U		5 U		5 U	
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5 U		5 U		5 U		5 U	
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5 U		5 U		5 U		5 U	
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U		5 U		5 U		5 U	
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U		5 U		5 U		5 U	
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
591-78-6	2-Hexanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	



**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MW-PD-12-GW-C	MW-PD-13-GW-A	MW-PD-13-GW-B	MW-PD-13-GW-C
						2/5/2008 270 to 275 ft bgs	5/19/2008 160 to 165 ft bgs	5/19/2008 180 to 185 ft bgs	5/19/2008 210 to 215 ft bgs
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L		10	5 U	5 U	5 U	5 U
100-42-5	Styrene	SW8260B	ug/L		5	5 U	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L		5	5 U	5 U	5 U	5 U
127-18-4	Tetrachloroethene	SW8260B	ug/L		5	5 U	5 U	5 U	5 U
108-88-3	Toluene	SW8260B	ug/L		5	5 U	5 U	5 U	5 U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L		5	5 U	5 U	5 U	5 U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L		5	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L		1	5 U	5 U	5 U	5 U
79-01-6	Trichloroethene	SW8260B	ug/L		5	5 U	5 U	5 U	5 U
75-69-4	Trichlorofluoromethane	SW8260B	ug/L		5	5 U	5 U	5 U	5 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L		5	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	SW8260B	ug/L		2	5 U	5 U	5 U	5 U
1330-20-7	Xylenes (total)	SW8260B	ug/L		5	5 U	5 U	5 U	5 U

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-14-GW-A		MW-PD-14-GW-A-DUP MW-PD-41-GW-A		MW-PD-14-GW-B		MW-PD-14-GW-C	
					4/9/2008		4/9/2008		4/10/2008		4/22/2008	
					210 to 215 ft bgs		210 to 215 ft bgs		240 to 245 ft bgs		270 to 275 ft bgs	
	<b>Volatile Organic Compounds</b>											
67-64-1	Acetone	SW8260B	ug/L	50	5 UJ		5 UJ		5 UL		5 UJ	
71-43-2	Benzene	SW8260B	ug/L	1	5 U		5 U		5 U		5 U	
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
75-25-2	Bromoform	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
74-83-9	Bromomethane	SW8260B	ug/L	5	5 U		5 U		5 UJ		5 UJ	
78-93-3	2-Butanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
75-00-3	Chloroethane	SW8260B	ug/L	5	5 UJ		5 UJ		5 UJ		5 UJ	
67-66-3	Chloroform	SW8260B	ug/L	7	5 U		5 U		5 U		5 U	
74-87-3	Chloromethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5 UJ		5 UJ		5 U		5 U	
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5 U		5 U		5 U		5 U	
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5 U		5 U		5 U		5 U	
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5 U		5 U		5 U		5 U	
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5 UJ		5 UJ		5 UJ		5 UJ	
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5 U		5 U		5 U		5 U	
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5 U		5 U		5 U		5 U	
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U		5 U		5 U		5 U	
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U		5 U		5 U		5 U	
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
591-78-6	2-Hexanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5 U		5 U		5 U		5 U	
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5 U		5 U		5 U		5 U	
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5 U		5 U		5 U		5 U	

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Sample Code Sample Name Sample Date Analytic Met Unit \ Depth	Site-specific-GW	MW-PD-14-GW-A		MW-PD-14-GW-A-DUP MW-PD-41-GW-A		MW-PD-14-GW-B		MW-PD-14-GW-C	
				4/9/2008 210 to 215 ft bgs		4/9/2008 210 to 215 ft bgs		4/10/2008 240 to 245 ft bgs		4/22/2008 270 to 275 ft bgs	
1634-04-4	Methyl tert-Butyl Ether	SW8260B ug/L	10	6	#	6	#	5	U	5	U
100-42-5	Styrene	SW8260B ug/L	5	5	U	5	U	5	U	5	U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B ug/L	5	5	U	5	U	5	U	5	U
127-18-4	Tetrachloroethene	SW8260B ug/L	5	5	U	5	U	6	A	5	U
108-88-3	Toluene	SW8260B ug/L	5	5	U	5	U	5	U	5	U
120-82-1	1,2,4-Trichlorobenzene	SW8260B ug/L	5	5	U	5	U	5	U	5	U
71-55-6	1,1,1-Trichloroethane	SW8260B ug/L	5	5	U	5	U	5	U	5	U
79-00-5	1,1,2-Trichloroethane	SW8260B ug/L	1	5	U	5	U	5	U	5	U
79-01-6	Trichloroethene	SW8260B ug/L	5	21	A	21	A	410	A	220	A
75-69-4	Trichlorofluoromethane	SW8260B ug/L	5	5	U	5	U	5	U	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B ug/L	5	5	U	5	U	5	U	5	U
75-01-4	Vinyl Chloride	SW8260B ug/L	2	5	U	5	U	5	U	5	U
1330-20-7	Xylenes (total)	SW8260B ug/L	5	5	U	5	U	5	U	5	U

Notes:

# Compound detected below or equal to screening criteria

A Compound detected above screening criteria

~ Compound without screening criteria detected

amsl above mean sea level

ft feet

J Value estimated

U Compound not detected above reporting limit

ug/L micrograms per liter

mg/L milligrams per liter

SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-14-GW-D		MW-PD-15-GW-A		MW-PD-15-GW-B		MW-PD-15-GW-C	
					4/22/2008 300 to 305 ft bgs		5/6/2008 150 to 155 ft bgs		5/6/2008 180 to 185 ft bgs		5/6/2008 210 to 215 ft bgs	
	<b>Volatile Organic Compounds</b>											
67-64-1	Acetone	SW8260B	ug/L	50		5 UJ		5 U		5 U		5 U
71-43-2	Benzene	SW8260B	ug/L	1		5 U		5 U		5 U		5 U
75-27-4	Bromodichloromethane	SW8260B	ug/L	50		5 U		5 U		5 U		5 U
75-25-2	Bromoform	SW8260B	ug/L	50		5 U		5 U		5 U		5 U
74-83-9	Bromomethane	SW8260B	ug/L	5		11 J A		5 U		5 U		5 U
78-93-3	2-Butanone	SW8260B	ug/L	50		5 U		5 U		5 U		5 U
75-15-0	Carbon Disulfide	SW8260B	ug/L	50		5 U		5 U		5 U		5 U
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5		5 U		5 U		5 U		5 U
108-90-7	Chlorobenzene	SW8260B	ug/L	5		5 U		5 U		5 U		5 U
75-00-3	Chloroethane	SW8260B	ug/L	5		5 UJ		5 UJ		5 UJ		5 UJ
67-66-3	Chloroform	SW8260B	ug/L	7		5 U		5 U		5 U		5 U
74-87-3	Chloromethane	SW8260B	ug/L	5		5 U		5 U		5 U		5 U
110-82-7	Cyclohexane	SW8260B	ug/L	N/A		5 U		5 U		5 U		5 U
124-48-1	Dibromochloromethane	SW8260B	ug/L	50		5 U		5 U		5 U		5 U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04		5 U		5 U		5 U		5 U
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006		5 U		5 U		5 U		5 U
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3		5 U		5 U		5 U		5 U
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3		5 U		5 U		5 U		5 U
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3		5 U		5 U		5 U		5 U
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5		5 UJ		5 UL		5 UL		5 UL
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5		5 U		5 U		5 U		5 U
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6		5 U		5 U		5 U		5 U
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5		5 U		5 U		5 U		5 U
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5		5 U		5 U		5 U		5 U
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5		5 U		5 U		5 U		5 U
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1		5 U		5 U		5 U		5 U
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4		5 U		5 U		5 U		5 U
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4		5 U		5 U		5 U		5 U
100-41-4	Ethylbenzene	SW8260B	ug/L	5		5 U		5 U		5 U		5 U
591-78-6	2-Hexanone	SW8260B	ug/L	50		5 U		5 U		5 U		5 U
98-82-8	Isopropylbenzene	SW8260B	ug/L	5		5 U		5 U		5 U		5 U
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A		5 U		5 U		5 U		5 U
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A		5 U		5 U		5 U		5 U
75-09-2	Methylene Chloride	SW8260B	ug/L	5		5 U		5 U		5 U		5 U
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50		5 U		5 U		5 U		5 U

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-14-GW-D		MW-PD-15-GW-A		MW-PD-15-GW-B		MW-PD-15-GW-C	
					4/22/2008 300 to 305 ft bgs		5/6/2008 150 to 155 ft bgs		5/6/2008 180 to 185 ft bgs		5/6/2008 210 to 215 ft bgs	
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	5	U	5	U	5	U	5	U
100-42-5	Styrene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
108-88-3	Toluene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	5	U	5	U	5	U	5	U
79-01-6	Trichloroethene	SW8260B	ug/L	5	34	A	12	A	24	A	42	A
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	5	U	5	U	5	U	5	U
1330-20-7	Xylenes (total)	SW8260B	ug/L	5	5	U	5	U	5	U	5	U

Notes:

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-16-GW-A	MW-PD-16-GW-B	MW-PD-16-GW-C	MW-PD-16-GW-D
					2/25/2008 105 to 110 ft bgs	2/25/2008 135 to 140 ft bgs	2/25/2008 165 to 170 ft bgs	2/28/2008 195 to 200 ft bgs
	<b>Volatile Organic Compounds</b>							
67-64-1	Acetone	SW8260B	ug/L	50	5 UL	5 UL	5 UL	5 UL
71-43-2	Benzene	SW8260B	ug/L	1	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
75-25-2	Bromoform	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	SW8260B	ug/L	5	5 U	6 K A	5 U	5 U
78-93-3	2-Butanone	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
67-66-3	Chloroform	SW8260B	ug/L	7	5 U	5 U	5 U	5 U
74-87-3	Chloromethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5 U	5 U	5 U	5 U
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5 U	5 U	5 U	5 U
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5 U	5 U	5 U	5 U
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5 U	5 U	5 U	5 U
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5 U	5 U	5 U	5 U
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5 U	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	5 U	5 U	9 A	13 A
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5 U	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U	5 U	5 U	5 U
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	SW8260B	ug/L	50	5 U	5 U	5 U	5 U
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5 U	5 U	5 U	5 U
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5 U	5 U	5 U	5 U
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5 U	5 U	5 U	5 U

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-16-GW-A		MW-PD-16-GW-B		MW-PD-16-GW-C		MW-PD-16-GW-D	
					2/25/2008 105 to 110 ft bgs		2/25/2008 135 to 140 ft bgs		2/25/2008 165 to 170 ft bgs		2/28/2008 195 to 200 ft bgs	
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	5	U	5	U	5	U	5	U
100-42-5	Styrene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	5	U	5	U	9	U	18	U
108-88-3	Toluene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	5	U	5	U	5	U	5	U
79-01-6	Trichloroethene	SW8260B	ug/L	5	5	U	70	U	800	U	2000	U
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	5	U	5	U	5	U	5	U
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	5	U	5	U	5	U	5	U
1330-20-7	Xylenes (total)	SW8260B	ug/L	5	5	U	5	U	5	U	5	U

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MW-PD-16-GW-D-DUP MW-PD-61-GW-D 2/28/2008 195 to 200 ft bgs		MW-PD-16-GW-E 3/6/2008 225 to 230 ft bgs		MW-PD-16-GW-F 3/6/2008 245 to 250 ft bgs		MW-PD-17-GW-A 2/12/2008 70 to 75 ft bgs	
	<b>Volatile Organic Compounds</b>												
67-64-1	Acetone	SW8260B	ug/L		50	5	UL	12	L #	5	UL	5	UJ
71-43-2	Benzene	SW8260B	ug/L		1	5	U	5	U	5	U	5	U
75-27-4	Bromodichloromethane	SW8260B	ug/L		50	5	U	5	U	5	U	5	U
75-25-2	Bromoform	SW8260B	ug/L		50	5	U	5	U	5	U	5	U
74-83-9	Bromomethane	SW8260B	ug/L		5	6	U	5	U	6	U	7	J A
78-93-3	2-Butanone	SW8260B	ug/L		50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	SW8260B	ug/L		50	5	U	5	U	5	U	5	U
56-23-5	Carbon Tetrachloride	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
108-90-7	Chlorobenzene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
75-00-3	Chloroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
67-66-3	Chloroform	SW8260B	ug/L		7	5	U	5	U	5	U	5	U
74-87-3	Chloromethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
110-82-7	Cyclohexane	SW8260B	ug/L		N/A	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	SW8260B	ug/L		50	5	U	5	U	5	U	5	U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L		0.04	5	U	5	U	5	U	5	U
106-93-4	1,2-Dibromoethane	SW8260B	ug/L		0.0006	5	U	5	U	5	U	5	U
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L		3	5	U	5	U	5	U	5	U
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L		3	5	U	5	U	5	U	5	U
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L		3	5	U	5	U	5	U	5	U
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
75-34-3	1,1-Dichloroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
107-06-2	1,2-Dichloroethane	SW8260B	ug/L		0.6	5	U	5	U	5	U	5	U
75-35-4	1,1-Dichloroethene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L		5	13	A	6	A	5	U	5	U
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
78-87-5	1,2-Dichloropropane	SW8260B	ug/L		1	5	U	5	U	5	U	5	U
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L		0.4	5	U	5	U	5	U	5	U
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L		0.4	5	U	5	U	5	U	5	U
100-41-4	Ethylbenzene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
591-78-6	2-Hexanone	SW8260B	ug/L		50	5	U	5	U	5	U	5	U
98-82-8	Isopropylbenzene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
79-20-9	Methyl Acetate	SW8260B	ug/L		N/A	5	U	5	U	5	U	5	U
108-87-2	Methylcyclohexane	SW8260B	ug/L		N/A	5	U	5	U	5	U	5	U
75-09-2	Methylene Chloride	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L		50	5	U	5	U	5	U	5	U



**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MW-PD-16-GW-D-DUP MW-PD-61-GW-D 2/28/2008 195 to 200 ft bgs		MW-PD-16-GW-E 3/6/2008 225 to 230 ft bgs		MW-PD-16-GW-F 3/6/2008 245 to 250 ft bgs		MW-PD-17-GW-A 2/12/2008 70 to 75 ft bgs	
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L		10	5	U	5	U	5	U	6	#
100-42-5	Styrene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
127-18-4	Tetrachloroethene	SW8260B	ug/L		5	18	A	6	A	5	U	5	U
108-88-3	Toluene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L		1	5	U	5	U	5	U	5	U
79-01-6	Trichloroethene	SW8260B	ug/L		5	2000	A	800	A	190	A	5	U
75-69-4	Trichlorofluoromethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L		5	5	U	5	U	5	U	5	U
75-01-4	Vinyl Chloride	SW8260B	ug/L		2	5	U	5	U	5	U	5	U
1330-20-7	Xylenes (total)	SW8260B	ug/L		5	5	U	5	U	5	U	5	U

Notes:

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-17-GW-B		MW-PD-17-GW-C	
					2/13/2008 80 to 85 ft bgs		2/13/2008 90 to 95 ft bgs	
	<b>Volatile Organic Compounds</b>							
67-64-1	Acetone	SW8260B	ug/L	50	5	UJ	5	UJ
71-43-2	Benzene	SW8260B	ug/L	1	5	U	5	U
75-27-4	Bromodichloromethane	SW8260B	ug/L	50	5	U	5	U
75-25-2	Bromoform	SW8260B	ug/L	50	5	U	5	U
74-83-9	Bromomethane	SW8260B	ug/L	5	7	J A	6	J A
78-93-3	2-Butanone	SW8260B	ug/L	50	5	U	5	U
75-15-0	Carbon Disulfide	SW8260B	ug/L	50	5	U	5	U
56-23-5	Carbon Tetrachloride	SW8260B	ug/L	5	5	U	5	U
108-90-7	Chlorobenzene	SW8260B	ug/L	5	5	U	5	U
75-00-3	Chloroethane	SW8260B	ug/L	5	5	U	5	U
67-66-3	Chloroform	SW8260B	ug/L	7	5	U	5	U
74-87-3	Chloromethane	SW8260B	ug/L	5	5	U	5	U
110-82-7	Cyclohexane	SW8260B	ug/L	N/A	5	U	5	U
124-48-1	Dibromochloromethane	SW8260B	ug/L	50	5	U	5	U
96-12-8	1,2-Dibromo-3-chloropropane	SW8260B	ug/L	0.04	5	U	5	U
106-93-4	1,2-Dibromoethane	SW8260B	ug/L	0.0006	5	U	5	U
95-50-1	1,2-Dichlorobenzene	SW8260B	ug/L	3	5	U	5	U
541-73-1	1,3-Dichlorobenzene	SW8260B	ug/L	3	5	U	5	U
106-46-7	1,4-Dichlorobenzene	SW8260B	ug/L	3	5	U	5	U
75-71-8	Dichlorodifluoromethane	SW8260B	ug/L	5	5	U	5	U
75-34-3	1,1-Dichloroethane	SW8260B	ug/L	5	5	U	5	U
107-06-2	1,2-Dichloroethane	SW8260B	ug/L	0.6	5	U	5	U
75-35-4	1,1-Dichloroethene	SW8260B	ug/L	5	5	U	5	U
156-59-2	cis-1,2-Dichloroethene	SW8260B	ug/L	5	5	U	5	U
156-60-5	trans-1,2-Dichloroethene	SW8260B	ug/L	5	5	U	5	U
78-87-5	1,2-Dichloropropane	SW8260B	ug/L	1	5	U	5	U
10061-01-5	cis-1,3-Dichloropropene	SW8260B	ug/L	0.4	5	U	5	U
10061-02-6	trans-1,3-Dichloropropene	SW8260B	ug/L	0.4	5	U	5	U
100-41-4	Ethylbenzene	SW8260B	ug/L	5	5	U	5	U
591-78-6	2-Hexanone	SW8260B	ug/L	50	5	U	5	U
98-82-8	Isopropylbenzene	SW8260B	ug/L	5	5	U	5	U
79-20-9	Methyl Acetate	SW8260B	ug/L	N/A	5	U	5	U
108-87-2	Methylcyclohexane	SW8260B	ug/L	N/A	5	U	5	U
75-09-2	Methylene Chloride	SW8260B	ug/L	5	5	U	5	U
108-10-1	4-Methyl-2-pentanone	SW8260B	ug/L	50	5	U	5	U

**Table F-3b**  
**Monitoring Well Groundwater Screening**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Met Unit	Sample Code Sample Name Sample Date \\ Depth	Site-specific-GW	MW-PD-17-GW-B		MW-PD-17-GW-C	
					2/13/2008 80 to 85 ft bgs		2/13/2008 90 to 95 ft bgs	
1634-04-4	Methyl tert-Butyl Ether	SW8260B	ug/L	10	5	U	5	U
100-42-5	Styrene	SW8260B	ug/L	5	5	U	5	U
79-34-5	1,1,2,2-Tetrachloroethane	SW8260B	ug/L	5	5	U	5	U
127-18-4	Tetrachloroethene	SW8260B	ug/L	5	5	U	5	U
108-88-3	Toluene	SW8260B	ug/L	5	5	U	5	U
120-82-1	1,2,4-Trichlorobenzene	SW8260B	ug/L	5	5	U	5	U
71-55-6	1,1,1-Trichloroethane	SW8260B	ug/L	5	5	U	5	U
79-00-5	1,1,2-Trichloroethane	SW8260B	ug/L	1	5	U	5	U
79-01-6	Trichloroethene	SW8260B	ug/L	5	5	U	5	U
75-69-4	Trichlorofluoromethane	SW8260B	ug/L	5	5	U	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260B	ug/L	5	5	U	5	U
75-01-4	Vinyl Chloride	SW8260B	ug/L	2	5	U	5	U
1330-20-7	Xylenes (total)	SW8260B	ug/L	5	5	U	5	U

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
SW8260B Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-01-PD-A-R2			MPW-01-PD-B-R2			MPW-01-PD-C-R2			MPW-02-PD-A-R2		
					5/19/2008 17.73 ft amsl			5/19/2008 -6.77 ft amsl			5/19/2008 -29.27 ft amsl			5/27/2008 25.85 ft amsl		
	<b>Volatile Organic Compounds</b>															
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
74-87-3	Chloromethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5	U		0.5	U		0.5	U		0.5	U	
74-83-9	Bromomethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-00-3	Chloroethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
67-64-1	Acetone	TVOA	ug/L	50	5	U		5	U		5	U		5	U	
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	2.6	#		1.1	#		0.5	U		0.71	#	
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.5	U		0.36	J #		2	#		0.5	U	
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		2.3	#	
78-93-3	2-Butanone	TVOA	ug/L	50	5	U		5	U		5	U		5	U	
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
67-66-3	Chloroform	TVOA	ug/L	7	0.5	U		0.84	U		0.81	U		0.5	U	
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	0.11	J #		1	#		0.9	#		0.12	J #	
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
71-43-2	Benzene	TVOA	ug/L	1	0.5	U		0.5	U		0.5	U		0.5	U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5	U		0.5	U		0.5	U		0.5	U	
79-01-6	Trichloroethene	TVOA	ug/L	5	0.5	U		0.5	U		0.18	J #		820	A	
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5	U		0.5	U		0.5	U		0.5	U	
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U		0.5	U		0.5	U		0.5	U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5	U		5	U		5	U		5	U	
108-88-3	Toluene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U		0.5	U		0.5	U		0.5	U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5	U		0.5	U		0.5	U		0.5	U	
127-18-4	Tetrachloroethene	TVOA	ug/L	5	0.5	UJ		0.17	J #		0.5	UJ		31	A	
591-78-6	2-Hexanone	TVOA	ug/L	50	5	U		5	U		5	U		5	U	
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5	U		0.5	U		0.5	U		0.5	U	

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Gas Rn	Chemical Name	Analytic	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-01-PD-A-R2			MPW-01-PD-B-R2			MPW-01-PD-C-R2			MPW-02-PD-A-R2		
						5/19/2008 17.73 ft amsl			5/19/2008 -6.77 ft amsl			5/19/2008 -29.27 ft amsl			5/27/2008 25.85 ft amsl		
108-90-7	Chlorobenzene	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
95-47-6	o-Xylene	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	TVOA	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	TVOA	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L		3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L		0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Titanium and Fluoride</b>																	
7440-32-6	Titanium Metal Powder	SW6010E	ug/L		N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L		0.12	0.072	J #		0.052	J #		0.06	J #		22	A	

Notes:

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-02-PD-B-R2		MPW-02-PD-C-R2		MPW-02-PD-D-R2		MPW-03-PD-A-R2	
					5/27/2008 3.35 ft amsl		5/27/2008 -24.15 ft amsl		5/27/2008 -48.65 ft amsl		5/20/2008 9.60 ft amsl	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	0.31 J	#	0.11 J	#	0.22 J	#	0.2 J	#
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	2.5	#	1.3	#	1.8	#	0.5 U	
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.14 J	#	0.14 J	#	0.5 U		0.5 U	
78-93-3	2-Butanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	TVOA	ug/L	7	0.78	#	1.1	#	1.6	#	0.15 J	#
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	2.2	#	1.1	#	1.4	#	0.5 U	
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	TVOA	ug/L	5	2.4	#	8.5	A	0.41 J	#	1.9	#
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	TVOA	ug/L	5	0.86	#	0.31 J	#	0.26 J	#	0.5 UJ	
591-78-6	2-Hexanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-02-PD-B-R2			MPW-02-PD-C-R2			MPW-02-PD-D-R2			MPW-03-PD-A-R2		
					5/27/2008 3.35 ft amsl			5/27/2008 -24.15 ft amsl			5/27/2008 -48.65 ft amsl			5/20/2008 9.60 ft amsl		
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Titanium and Fluoride</b>																
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.95	A		8.9	A		0.69	A		0.092	J	#

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-03-PD-B-R2		MPW-03-PD-C-R2		MPW-03-PD-D-R2		MPW-04-PD-A-R2	
					5/20/2008 -12.90 ft amsl		5/20/2008 -30.40 ft amsl		5/20/2008 -50.40 ft amsl		5/21/2008 21.56 ft amsl	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	TVOA	ug/L	5	0.5 U		1.1 #		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	0.12 J #				0.41 J #		1.3 #	
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.5 U		0.95 #		0.49 J #		0.5 U	
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.4 J #		0.5 #		1.3 #	
78-93-3	2-Butanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	TVOA	ug/L	7	0.5 U		0.5 U		0.5 U		0.5 U	
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	0.5 U		0.23 J #		0.44 J #		0.5 U	
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	TVOA	ug/L	5	3.4 #		0.79 #		15 A		25 A	
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	TVOA	ug/L	5	0.5 U		0.56 U		0.5 U		0.41 J #	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	TVOA	ug/L	5	0.2 J #		0.12 J #		0.76 #		10 A	
591-78-6	2-Hexanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	



**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \\ Depth	Site-specific-GW	MPW-03-PD-B-R2		MPW-03-PD-C-R2		MPW-03-PD-D-R2		MPW-04-PD-A-R2	
					5/20/2008 -12.90 ft amsl		5/20/2008 -30.40 ft amsl		5/20/2008 -50.40 ft amsl		5/21/2008 21.56 ft amsl	
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U	0.1	J ~	0.5	U	0.19	J ~
100-42-5	Styrene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Titanium and Fluoride</b>												
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	5.7	J ~	3.7	J ~	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.088	J #	0.1	J #	0.54	A	0.13	J A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-04-PD-B-R2		MPW-04-PD-C-R2		MPW-04-PD-D-R2		MPW-04-PD-E-R2	
					5/21/2008 2.06 ft amsl		5/21/2008 -28.44 ft amsl		5/21/2008 -44.94 ft amsl		5/21/2008 -67.44 ft amsl	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
67-64-1	Acetone	TVOA	ug/L	50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5	U	0.35	J #	0.5	U	0.5	U
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	8.4	#	0.96	#	2.2	#	2.4	#
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.36	J #	1.4	#
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	1.6	#	0.13	J #	0.87	#	0.5	#
78-93-3	2-Butanone	TVOA	ug/L	50	5	U	5	U	5	U	5	U
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	TVOA	ug/L	7	0.5	U	0.5	U	0.5	U	0.5	U
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.69	#	1.5	#
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
71-43-2	Benzene	TVOA	ug/L	1	0.5	U	0.5	U	0.5	U	0.5	U
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5	U	0.5	U	0.5	U	0.5	U
79-01-6	Trichloroethene	TVOA	ug/L	5	100	A	4.1	#	51	A	21	A
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U	0.5	U	0.5	U	0.5	U
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5	U	5	U	5	U	5	U
108-88-3	Toluene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5	U	0.5	U	0.5	U	0.5	U
127-18-4	Tetrachloroethene	TVOA	ug/L	5	58	A	0.81	#	10	A	5.8	A
591-78-6	2-Hexanone	TVOA	ug/L	50	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5	U	0.5	U	0.5	U	0.5	U

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-04-PD-B-R2			MPW-04-PD-C-R2			MPW-04-PD-D-R2			MPW-04-PD-E-R2		
					5/21/2008 2.06 ft amsl			5/21/2008 -28.44 ft amsl			5/21/2008 -44.94 ft amsl			5/21/2008 -67.44 ft amsl		
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Titanium and Fluoride</b>																
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	1.4	A		2.5	A		2.1	A		0.22	A	

Notes:

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-05-PD-A-R2		MPW-05-PD-B-R2		MPW-05-PD-C-R2		MPW-05-PD-D-R2	
					5/21/2008 -8.37 ft amsl		5/21/2008 -36.87 ft amsl		5/21/2008 -53.57 ft amsl		5/21/2008 -71.87 ft amsl	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.45 J #		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	1.8 #		0.5 U		0.5 U		0.5 U	
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.33 J #		0.54 #	
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
78-93-3	2-Butanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	TVOA	ug/L	7	0.32 J #		0.5 U		0.5 U		0.37 J #	
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	0.5 U		0.17 J #		0.44 J #		0.72 #	
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	TVOA	ug/L	5	0.33 J #		0.89 #		6.4 A		8.4 A	
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	TVOA	ug/L	5	1.2 #		0.5 U		0.5 U		0.14 J #	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	TVOA	ug/L	5	0.36 J #		0.5 U		0.53 #		0.61 #	
591-78-6	2-Hexanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-05-PD-A-R2		MPW-05-PD-B-R2		MPW-05-PD-C-R2		MPW-05-PD-D-R2	
					5/21/2008 -8.37 ft amsl		5/21/2008 -36.87 ft amsl		5/21/2008 -53.57 ft amsl		5/21/2008 -71.87 ft amsl	
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Titanium and Fluoride</b>												
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.11	J #	0.08	J #	0.094	J #	0.082	J #

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-06-PD-A-R2			MPW-06-PD-B-R2			MPW-06-PD-C-R2			MPW-06-PD-D-R2		
					5/22/2008 -18.88 ft amsl			5/22/2008 -38.38 ft amsl			5/22/2008 -64.88 ft amsl			5/22/2008 -108.38 ft amsl		
	<b>Volatile Organic Compounds</b>															
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
74-87-3	Chloromethane	TVOA	ug/L	5	0.13	J	#	0.5	U		0.5	U		0.5	U	
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5	U		0.5	U		0.5	U		0.5	U	
74-83-9	Bromomethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-00-3	Chloroethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.19	J	#
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
67-64-1	Acetone	TVOA	ug/L	50	5	U		5	U		5	U		5	U	
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	0.5	U		0.21	J	#	0.5	U		0.5	U	
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.5	U		0.5	U		0.44	J	#	0.48	J	#
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.5	U		0.5	U		0.18	J	#	0.19	J	#
78-93-3	2-Butanone	TVOA	ug/L	50	5	U		5	U		5	U		5	U	
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
67-66-3	Chloroform	TVOA	ug/L	7	0.5	U		0.5	U		0.5	U		0.49	J	#
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	0.5	U		0.5	U		0.49	J	#	0.36	J	#
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
71-43-2	Benzene	TVOA	ug/L	1	0.5	U		0.5	U		0.5	U		0.5	U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5	U		0.5	U		0.5	U		0.5	U	
79-01-6	Trichloroethene	TVOA	ug/L	5	0.5	U		0.76	J	#	1.7	J	#	6.9	J	A
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5	U		0.5	U		0.5	U		0.5	U	
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U		0.5	U		0.5	U		0.5	U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5	U		5	U		5	U		5	U	
108-88-3	Toluene	TVOA	ug/L	5	1	J	#	1.3	J	#	0.5	U		0.5	U	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U		0.5	U		0.5	U		0.5	U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5	U		0.5	U		0.5	U		0.5	U	
127-18-4	Tetrachloroethene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
591-78-6	2-Hexanone	TVOA	ug/L	50	5	U		5	U		5	U		5	U	
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5	U		0.5	U		0.5	U		0.5	U	

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-06-PD-A-R2		MPW-06-PD-B-R2		MPW-06-PD-C-R2		MPW-06-PD-D-R2	
					5/22/2008 -18.88 ft amsl		5/22/2008 -38.38 ft amsl		5/22/2008 -64.88 ft amsl		5/22/2008 -108.38 ft amsl	
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U	0.13	J ~	0.5	U	0.5	U
100-42-5	Styrene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Titanium and Fluoride</b>												
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	10	U	10	U	27.8	~	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.15	J A	0.096	J #	0.056	J #	0.076	J #

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-07-PD-B-R2		MPW-07-PD-C-R2		MPW-08-PD-A-R2		MPW-08-PD-B-R2	
					6/2/2008 3.94 ft amsl		6/3/2008 -26.56 ft amsl		5/22/2008 -13.59 ft amsl		5/22/2008 -33.09 ft amsl	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	TVOA	ug/L	5	0.5 U		0.17 J #		0.5 U		0.5 U	
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	0.9 #		0.5 U		0.33 J #		0.25 J #	
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.19 J #		0.11 J #		0.5 U		0.5 U	
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
78-93-3	2-Butanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	TVOA	ug/L	7	0.5 U		0.5 U		0.5 U		0.5 U	
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	0.6 #		0.5 U		0.5 U		0.5 U	
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	TVOA	ug/L	5	1.1 #		0.3 J #		2.6 #		3.6 #	
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	TVOA	ug/L	5	0.27 J #		0.5 U		0.5 U		0.5 U	
591-78-6	2-Hexanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	



**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Unit	Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-07-PD-B-R2		MPW-07-PD-C-R2		MPW-08-PD-A-R2		MPW-08-PD-B-R2	
							6/2/2008		6/3/2008		5/22/2008		5/22/2008	
							3.94 ft amsl		-26.56 ft amsl		-13.59 ft amsl		-33.09 ft amsl	
108-90-7	Chlorobenzene	TVOA	ug/L	5		5	0.5 U		0.5 U		0.5 U		0.5 U	
100-41-4	Ethylbenzene	TVOA	ug/L	5		5	0.5 U		0.5 U		0.5 U		0.5 U	
95-47-6	o-Xylene	TVOA	ug/L	5		5	0.5 U		0.5 U		0.5 U		0.5 U	
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
100-42-5	Styrene	TVOA	ug/L	5		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-25-2	Bromoform	TVOA	ug/L	50		50	0.5 U		0.5 U		0.5 U		0.5 U	
98-82-8	Isopropylbenzene	TVOA	ug/L	5		5	0.5 U		0.5 U		0.5 U		0.5 U	
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5		5	0.5 U		0.5 U		0.5 U		0.5 U	
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3		3	0.5 U		0.5 U		0.5 U		0.5 U	
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3		3	0.5 U		0.5 U		0.5 U		0.5 U	
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3		3	0.5 U		0.5 U		0.5 U		0.5 U	
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04		0.04	0.5 U		0.5 U		0.5 U		0.5 U	
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5		5	0.5 U		0.5 U		0.5 U		0.5 U	
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5		5	0.5 U		0.5 U		0.5 U		0.5 U	
<b>Titanium and Fluoride</b>														
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A		N/A	10 U				10 U		10 U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12		0.12	2.6 A				0.062 J #		0.056 J #	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

				Sample Code	Site-specific-GW	MPW-08-PD-C-R2		MPW-08-PD-D-R2		MPW-08-PD-E-R2		MPW-09-PD-A-R2	
				Sample Name		5/22/2008		5/22/2008		5/22/2008		5/28/2008	
Cas Rn	Chemical Name	Analytic Method	Unit \ Depth	Sample Date		-63.59 ft amsl		-85.09 ft amsl		-102.59 ft amsl		-5.01 ft amsl	
Volatile Organic Compounds													
75-71-8	Dichlorodifluoromethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-01-4	Vinyl Chloride	TVOA	ug/L		2	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-69-4	Trichlorofluoromethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-35-4	1,1-Dichloroethene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-64-1	Acetone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
79-20-9	Methyl Acetate	TVOA	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L		10	0.16	J #	0.5	U	0.5	U	0.5	U
75-34-3	1,1-Dichloroethane	TVOA	ug/L		5	0.14	J #	0.36	J #	0.15	J #	0.78	#
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L		5	0.19	J #	0.74	J #	0.32	J #	1.7	#
78-93-3	2-Butanone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
74-97-5	Chlorobromomethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	TVOA	ug/L		7	0.5	U	0.5	U	0.5	U	0.5	U
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L		5	0.18	J #	0.28	J #	0.5	U	0.98	#
110-82-7	Cyclohexane	TVOA	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
71-43-2	Benzene	TVOA	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
107-06-2	1,2-Dichloroethane	TVOA	ug/L		0.6	0.5	U	0.5	U	0.5	U	0.5	U
79-01-6	Trichloroethene	TVOA	ug/L		5	16	A	37	A	15	A	49	A
108-87-2	Methylcyclohexane	TVOA	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
78-87-5	1,2-Dichloropropane	TVOA	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
108-88-3	Toluene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
127-18-4	Tetrachloroethene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.85	#
591-78-6	2-Hexanone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	TVOA	ug/L		0.0006	0.5	U	0.5	U	0.5	U	0.5	U

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-08-PD-C-R2		MPW-08-PD-D-R2		MPW-08-PD-E-R2		MPW-09-PD-A-R2	
					5/22/2008 -63.59 ft amsl		5/22/2008 -85.09 ft amsl		5/22/2008 -102.59 ft amsl		5/28/2008 -5.01 ft amsl	
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Titanium and Fluoride</b>												
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.052	J #	0.048	J #	0.11	J #	0.082	J #

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-09-PD-B-R2			MPW-09-PD-C-R2			MPW-09-PD-D-R2			MPW-09-PD-E-R2		
					5/28/2008 -38.51 ft amsl			5/28/2008 -69.01 ft amsl			5/28/2008 -88.51 ft amsl			5/28/2008 -120.01 ft amsl		
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Titanium and Fluoride</b>																
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.068	J #		0.066	J #		0.06	J #		0.054	J #	

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-10-PD-A-R2		MPW-10-PD-B-R2		MPW-10-PD-C-R2		MPW-10-PD-D-R2	
					5/28/2008 5.56 ft amsl		5/28/2008 -19.94 ft amsl		5/28/2008 -51.44 ft amsl		5/28/2008 -67.94 ft amsl	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.86	#
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	1.6 J	#	4.3 J	#	1.4 J	#	0.37 J	#
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.72 J	#	0.23 J	#	0.7 J	#	2.9	#
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.32 J	#	1.4	#	1.7	#	0.5 U	
78-93-3	2-Butanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	TVOA	ug/L	7	0.57 J	#	0.5 U		0.57 J	#	0.7 U	
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	1 J	#	0.38 J	#	1 J	#	2.4	#
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	TVOA	ug/L	5	18	A	59	A	40	A	3.3	#
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	TVOA	ug/L	5	7	A	27	A	19	A	1.1	#
591-78-6	2-Hexanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-10-PD-A-R2		MPW-10-PD-B-R2		MPW-10-PD-C-R2		MPW-10-PD-D-R2	
					5/28/2008 5.56 ft amsl		5/28/2008 -19.94 ft amsl		5/28/2008 -51.44 ft amsl		5/28/2008 -67.94 ft amsl	
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Titanium and Fluoride</b>												
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.074	J #	1	A	1.4	A	0.26	A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	FG-01-PD-R2		MW-05-PD-R2		MW-PD-11-PD-R2		MW-PD-12-PD-R2	
					6/3/2008 12 to 2 ft amsl		6/2/2008 40 ft 24 ft amsl		6/2/2008 -30.6 to -40.6 ft amsl		6/2/2008 -6.9 to -16.9 ft amsl	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5 U		0.5 U		0.16 J	#	0.5 U	
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	0.17 J	#	0.36 J	#	0.33 J	#	1.6	#
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.1 J	#
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		1.1	#
78-93-3	2-Butanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	TVOA	ug/L	7	9.4	A	0.5 U		1.1 U		0.5 U	
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	0.5 U		0.14 J	#	0.13 J	#	0.11 J	#
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	TVOA	ug/L	5	0.16 J	#	0.52 U		0.5 U		210	A
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	TVOA	ug/L	5	0.5 U		0.15 J	#	0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	TVOA	ug/L	5	0.5 U		0.11 J	#	0.16 J	#	4.1	#
591-78-6	2-Hexanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	FG-01-PD-R2		MW-05-PD-R2		MW-PD-11-PD-R2		MW-PD-12-PD-R2	
						6/3/2008		6/2/2008		6/2/2008		6/2/2008	
						12 to 2 ft amsl		40 ft 24 ft amsl		-30.6 to -40.6 ft amsl		-6.9 to -16.9 ft amsl	
108-90-7	Chlorobenzene	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
100-41-4	Ethylbenzene	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
95-47-6	o-Xylene	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
179601-23-1	m,p-Xylene	TVOA	ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
100-42-5	Styrene	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-25-2	Bromoform	TVOA	ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
98-82-8	Isopropylbenzene	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L		3	0.5 U		0.5 U		0.5 U		0.5 U	
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L		3	0.5 U		0.5 U		0.5 U		0.5 U	
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L		3	0.5 U		0.5 U		0.5 U		0.5 U	
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L		0.04	0.5 U		0.5 U		0.5 U		0.5 U	
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
<b>Titanium and Fluoride</b>													
7440-32-6	Titanium Metal Powder	SW6010E	ug/L		N/A	19	~	10	U	33	~	19.7	~
16984-48-8	Fluoride	Fluoride	mg/L		0.12	0.04 J	#	0.088 J	#	0.12 J	#	2.9	A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous



**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MW-PD-13-PD-R2		MW-PD-14-PD-R2		MW-PD-15-PD-R2		MW-PD-16-PD-R2	
						6/3/2008 2.3 to -7.7 ft amsl		6/3/2008 -60.8 to -70.8 ft amsl		6/3/2008 -108.5 to -118.5 ft amsl		5/29/2008 -103.7 to -113.7 ft amsl	
	<b>Volatile Organic Compounds</b>												
75-71-8	Dichlorodifluoromethane	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	TVOA	ug/L		5	0.5 U		0.15 J	#	0.5 U		0.5 U	
75-01-4	Vinyl Chloride	TVOA	ug/L		2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.91	#
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	TVOA	ug/L		50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	TVOA	ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	TVOA	ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.1 J	#
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L		10	0.17 J	#	0.36 J	#	0.5 U		0.5 U	
75-34-3	1,1-Dichloroethane	TVOA	ug/L		5	0.5 U		0.34 J	#	1.9	#	3	#
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L		5	0.5 U		3	#	0.94	#	13	A
78-93-3	2-Butanone	TVOA	ug/L		50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	TVOA	ug/L		7	0.5 U		0.5 U		0.5 U		0.56 U	
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L		5	0.5 U		0.31 J	#	1.5	#	1.7	#
110-82-7	Cyclohexane	TVOA	ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L		5	0.5 U		0.5 U		0.5 U		0.16 J	#
71-43-2	Benzene	TVOA	ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L		0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	TVOA	ug/L		5	0.5 U		350	A	35	A	1900	A
108-87-2	Methylcyclohexane	TVOA	ug/L		N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L		1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	TVOA	ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L		50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	TVOA	ug/L		5	0.5 U		0.62 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L		1	0.5 U		0.5 U		0.5 U		0.38 J	#
127-18-4	Tetrachloroethene	TVOA	ug/L		5	0.5 U		4.5	#	1.9	#	14	A
591-78-6	2-Hexanone	TVOA	ug/L		50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	TVOA	ug/L		50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L		0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-13-PD-R2		MW-PD-14-PD-R2		MW-PD-15-PD-R2		MW-PD-16-PD-R2	
					6/3/2008		6/3/2008		6/3/2008		5/29/2008	
					2.3 to -7.7 ft amsl		-60.8 to -70.8 ft amsl		-108.5 to -118.5 ft amsl		-103.7 to -113.7 ft amsl	
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
95-47-6	o-Xylene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
100-42-5	Styrene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-25-2	Bromoform	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5 U		0.5 U		0.5 U		0.5 U	
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5 U		0.5 U		0.5 U		0.5 U	
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5 U		0.5 U		0.5 U		0.5 U	
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5 U		0.5 U		0.5 U		0.5 U	
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
<b>Titanium and Fluoride</b>												
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	45.1	~	10 U		10 U		10 U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.12 J	#	0.1 J	#	0.08 J	#	0.07 J	#

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Unit	Depth	Sample Code	Site-specific-GW	MW-PD-17-PD-R2
					Sample Name		5/29/2008 -54.5 to -64.5 ft amsl
	<b>Volatile Organic Compounds</b>						
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5			0.5 U
74-87-3	Chloromethane	TVOA	ug/L	5			0.5 U
75-01-4	Vinyl Chloride	TVOA	ug/L	2			0.5 U
74-83-9	Bromomethane	TVOA	ug/L	5			0.5 U
75-00-3	Chloroethane	TVOA	ug/L	5			0.5 U
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5			0.5 U
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5			0.26 J #
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5			0.5 U
67-64-1	Acetone	TVOA	ug/L	50			5 U
75-15-0	Carbon Disulfide	TVOA	ug/L	50			0.5 U
79-20-9	Methyl Acetate	TVOA	ug/L	N/A			0.5 U
75-09-2	Methylene Chloride	TVOA	ug/L	5			0.5 U
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5			0.5 U
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10			1.4 #
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5			0.81 #
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5			0.17 J #
78-93-3	2-Butanone	TVOA	ug/L	50			5 U
74-97-5	Chlorobromomethane	TVOA	ug/L	5			0.5 U
67-66-3	Chloroform	TVOA	ug/L	7			1.8 #
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5			0.91 #
110-82-7	Cyclohexane	TVOA	ug/L	N/A			0.5 U
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5			0.5 U
71-43-2	Benzene	TVOA	ug/L	1			0.5 U
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6			0.5 U
79-01-6	Trichloroethene	TVOA	ug/L	5			0.5 U
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A			0.5 U
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1			0.5 U
75-27-4	Bromodichloromethane	TVOA	ug/L	50			0.51 #
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4			0.5 U
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50			5 U
108-88-3	Toluene	TVOA	ug/L	5			0.5 U
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4			0.5 U
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1			0.5 U
127-18-4	Tetrachloroethene	TVOA	ug/L	5			0.5 U
591-78-6	2-Hexanone	TVOA	ug/L	50			5 U
124-48-1	Dibromochloromethane	TVOA	ug/L	50			0.39 J #
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006			0.5 U

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Unit	Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MW-PD-17-PD-R2		
							5/29/2008 -54.5 to -64.5 ft amsl		
108-90-7	Chlorobenzene	TVOA	ug/L			5	0.5	U	
100-41-4	Ethylbenzene	TVOA	ug/L			5	0.5	U	
95-47-6	o-Xylene	TVOA	ug/L			5	0.5	U	
179601-23-1	m,p-Xylene	TVOA	ug/L			N/A	0.5	U	
100-42-5	Styrene	TVOA	ug/L			5	0.5	U	
75-25-2	Bromoform	TVOA	ug/L			50	0.5	U	
98-82-8	Isopropylbenzene	TVOA	ug/L			5	0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L			5	0.5	U	
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L			3	0.5	U	
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L			3	0.5	U	
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L			3	0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L			0.04	0.5	U	
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L			5	0.5	U	
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L			5	0.5	U	
<b>Titanium and Fluoride</b>									
7440-32-6	Titanium Metal Powder	SW6010E	ug/L			N/A	10	U	
16984-48-8	Fluoride	Fluoride	mg/L			0.12	0.078	J	#

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
amsl above mean sea level  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Unit \ Depth	Sample Code Sample Name Sample Date Site-specific-GW	MPW-01-PD-A-R2			MPW-01-PD-B-R2			MPW-01-PD-C-R2			MPW-02-PD-A-R2		
					5/19/2008 160 to 170 ft bgs			5/19/2008 185 to 195 ft bgs			5/19/2008 210 to 220 ft bgs			5/27/2008 190 to 200 ft bgs		
	<b>Volatile Organic Compounds</b>															
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
74-87-3	Chloromethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5	U		0.5	U		0.5	U		0.5	U	
74-83-9	Bromomethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-00-3	Chloroethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
67-64-1	Acetone	TVOA	ug/L	50	5	U		5	U		5	U		5	U	
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	2.6	#		1.1	#		0.5	U		0.71	#	
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.5	U		0.36	J #		2	#		0.5	U	
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		2.3	#	
78-93-3	2-Butanone	TVOA	ug/L	50	5	U		5	U		5	U		5	U	
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
67-66-3	Chloroform	TVOA	ug/L	7	0.5	U		0.84	U		0.81	U		0.5	U	
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	0.11	J #		1	#		0.9	#		0.12	J #	
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
71-43-2	Benzene	TVOA	ug/L	1	0.5	U		0.5	U		0.5	U		0.5	U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5	U		0.5	U		0.5	U		0.5	U	
79-01-6	Trichloroethene	TVOA	ug/L	5	0.5	U		0.5	U		0.18	J #		820	A	
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5	U		0.5	U		0.5	U		0.5	U	
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U		0.5	U		0.5	U		0.5	U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5	U		5	U		5	U		5	U	
108-88-3	Toluene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U		0.5	U		0.5	U		0.5	U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5	U		0.5	U		0.5	U		0.5	U	
127-18-4	Tetrachloroethene	TVOA	ug/L	5	0.5	UJ		0.17	J #		0.5	UJ		31	A	
591-78-6	2-Hexanone	TVOA	ug/L	50	5	U		5	U		5	U		5	U	
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5	U		0.5	U		0.5	U		0.5	U	

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Unit \ Depth	Sample Code Sample Name Sample Date Site-specific-GW	MPW-01-PD-A-R2		MPW-01-PD-B-R2		MPW-01-PD-C-R2		MPW-02-PD-A-R2	
					5/19/2008 160 to 170 ft bgs		5/19/2008 185 to 195 ft bgs		5/19/2008 210 to 220 ft bgs		5/27/2008 190 to 200 ft bgs	
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Titanium and Fluoride</b>												
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.072	J #	0.052	J #	0.06	J #	22	A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Fort Belknap Station, New York																	
Cas Rn	Chemical Name	Analytic Method	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-02-PD-B-R2			MPW-02-PD-C-R2			MPW-02-PD-D-R2			MPW-03-PD-A-R2		
						5/27/2008 215 to 225 ft bgs			5/27/2008 240 to 250 ft bgs			5/27/2008 265 to 275 ft bgs			5/20/2008 175 to 185 ft bgs		
Volatile Organic Compounds																	
75-71-8	Dichlorodifluoromethane	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
74-87-3	Chloromethane	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-01-4	Vinyl Chloride	TVOA	ug/L		2	0.5	U		0.5	U		0.5	U		0.5	U	
74-83-9	Bromomethane	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-00-3	Chloroethane	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
67-64-1	Acetone	TVOA	ug/L		50	5	U		5	U		5	U		5	U	
75-15-0	Carbon Disulfide	TVOA	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
79-20-9	Methyl Acetate	TVOA	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
75-09-2	Methylene Chloride	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L		10	0.31	J #		0.11	J #		0.22	J #		0.2	J #	
75-34-3	1,1-Dichloroethane	TVOA	ug/L		5	2.5	#		1.3	#		1.8	#		0.5	U	
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L		5	0.14	J #		0.14	J #		0.5	U		0.5	U	
78-93-3	2-Butanone	TVOA	ug/L		50	5	U		5	U		5	U		5	U	
74-97-5	Chlorobromomethane	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
67-66-3	Chloroform	TVOA	ug/L		7	0.78	#		1.1	#		1.6	#		0.15	J #	
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L		5	2.2	#		1.1	#		1.4	#		0.5	U	
110-82-7	Cyclohexane	TVOA	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
71-43-2	Benzene	TVOA	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L		0.6	0.5	U		0.5	U		0.5	U		0.5	U	
79-01-6	Trichloroethene	TVOA	ug/L		5	2.4	#		8.5	A		0.41	J #		1.9	#	
108-87-2	Methylcyclohexane	TVOA	ug/L		N/A	0.5	U		0.5	U		0.5	U		0.5	U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
75-27-4	Bromodichloromethane	TVOA	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5	U		0.5	U		0.5	U		0.5	U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L		50	5	U		5	U		5	U		5	U	
108-88-3	Toluene	TVOA	ug/L		5	0.5	U		0.5	U		0.5	U		0.5	U	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5	U		0.5	U		0.5	U		0.5	U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L		1	0.5	U		0.5	U		0.5	U		0.5	U	
127-18-4	Tetrachloroethene	TVOA	ug/L		5	0.86	#		0.31	J #		0.26	J #		0.5	UJ	
591-78-6	2-Hexanone	TVOA	ug/L		50	5	U		5	U		5	U		5	U	
124-48-1	Dibromochloromethane	TVOA	ug/L		50	0.5	U		0.5	U		0.5	U		0.5	U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L		0.0006	0.5	U		0.5	U		0.5	U		0.5	U	

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Unit	Sample Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-02-PD-B-R2			MPW-02-PD-C-R2			MPW-02-PD-D-R2			MPW-03-PD-A-R2		
							5/27/2008 215 to 225 ft bgs			5/27/2008 240 to 250 ft bgs			5/27/2008 265 to 275 ft bgs			5/20/2008 175 to 185 ft bgs		
108-90-7	Chlorobenzene	TVOA	ug/L	5			0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	TVOA	ug/L	5			0.5	U		0.5	U		0.5	U		0.5	U	
95-47-6	o-Xylene	TVOA	ug/L	5			0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A			0.5	U		0.5	U		0.5	U		0.5	U	
100-42-5	Styrene	TVOA	ug/L	5			0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	TVOA	ug/L	50			0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	TVOA	ug/L	5			0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5			0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3			0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3			0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3			0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04			0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5			0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5			0.5	U		0.5	U		0.5	U		0.5	U	
<b>Titanium and Fluoride</b>																		
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A			10	U		10	U		10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12			0.95	A		8.9	A		0.69	A		0.092	J	#

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous



**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-03-PD-B-R2		MPW-03-PD-C-R2		MPW-03-PD-D-R2		MPW-04-PD-A-R2	
					5/20/2008 195 to 205 ft bgs		5/20/2008 215 to 225 ft bgs		5/20/2008 235 to 245 ft bgs		5/21/2008 150 to 160 ft bgs	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethane	TVOA	ug/L	5	0.5	U	1.1	#	0.5	U	0.5	U
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
67-64-1	Acetone	TVOA	ug/L	50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	0.12	J #	0.5	U	0.41	J #	1.3	#
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.5	U	0.95	#	0.49	J #	0.5	U
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.5	U	0.4	J #	0.5	#	1.3	#
78-93-3	2-Butanone	TVOA	ug/L	50	5	U	5	U	5	U	5	U
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	TVOA	ug/L	7	0.5	U	0.5	U	0.5	U	0.5	U
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	0.5	U	0.23	J #	0.44	J #	0.5	U
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
71-43-2	Benzene	TVOA	ug/L	1	0.5	U	0.5	U	0.5	U	0.5	U
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5	U	0.5	U	0.5	U	0.5	U
79-01-6	Trichloroethene	TVOA	ug/L	5	3.4	#	0.79	#	15	A	25	A
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U	0.5	U	0.5	U	0.5	U
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5	U	5	U	5	U	5	U
108-88-3	Toluene	TVOA	ug/L	5	0.5	U	0.56	U	0.5	U	0.41	J #
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5	U	0.5	U	0.5	U	0.5	U
127-18-4	Tetrachloroethene	TVOA	ug/L	5	0.2	J #	0.12	J #	0.76	#	10	A
591-78-6	2-Hexanone	TVOA	ug/L	50	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5	U	0.5	U	0.5	U	0.5	U

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-03-PD-B-R2			MPW-03-PD-C-R2			MPW-03-PD-D-R2			MPW-04-PD-A-R2		
					5/20/2008 195 to 205 ft bgs			5/20/2008 215 to 225 ft bgs			5/20/2008 235 to 245 ft bgs			5/21/2008 150 to 160 ft bgs		
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U		0.1	J	~	0.5	U		0.19	J	~
100-42-5	Styrene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U		0.5	U		0.5	U		0.5	U	
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U		0.5	U		0.5	U		0.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U		0.5	U		0.5	U		0.5	U	
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
<b>Titanium and Fluoride</b>																
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	5.7	J	~	3.7	J	~	10	U		10	U	
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.088	J	#	0.1	J	#	0.54	A		0.13	J	A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-04-PD-B-R2		MPW-04-PD-C-R2		MPW-04-PD-D-R2		MPW-04-PD-E-R2	
						5/21/2008 170 to 180 ft bgs		5/21/2008 200 to 210 ft bgs		5/21/2008 220 to 230 ft bgs		5/21/2008 240 to 250 ft bgs	
	<b>Volatile Organic Compounds</b>												
75-71-8	Dichlorodifluoromethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-01-4	Vinyl Chloride	TVOA	ug/L		2	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-69-4	Trichlorofluoromethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-35-4	1,1-Dichloroethene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-64-1	Acetone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	TVOA	ug/L		50	0.5	U	0.35	J #	0.5	U	0.5	U
79-20-9	Methyl Acetate	TVOA	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L		10	8.4	#	0.96	#	2.2	#	2.4	#
75-34-3	1,1-Dichloroethane	TVOA	ug/L		5	0.5	U	0.5	U	0.36	J #	1.4	#
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L		5	1.6	#	0.13	J #	0.87	#	0.5	#
78-93-3	2-Butanone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
74-97-5	Chlorobromomethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	TVOA	ug/L		7	0.5	U	0.5	U	0.5	U	0.5	U
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L		5	0.5	U	0.5	U	0.69	#	1.5	#
110-82-7	Cyclohexane	TVOA	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
71-43-2	Benzene	TVOA	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
107-06-2	1,2-Dichloroethane	TVOA	ug/L		0.6	0.5	U	0.5	U	0.5	U	0.5	U
79-01-6	Trichloroethene	TVOA	ug/L		5	100	A	4.1	#	51	A	21	A
108-87-2	Methylcyclohexane	TVOA	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
78-87-5	1,2-Dichloropropane	TVOA	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
108-88-3	Toluene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
127-18-4	Tetrachloroethene	TVOA	ug/L		5	58	A	0.81	#	10	A	5.8	A
591-78-6	2-Hexanone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	TVOA	ug/L		0.0006	0.5	U	0.5	U	0.5	U	0.5	U

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-04-PD-B-R2		MPW-04-PD-C-R2		MPW-04-PD-D-R2		MPW-04-PD-E-R2	
					5/21/2008 170 to 180 ft bgs		5/21/2008 200 to 210 ft bgs		5/21/2008 220 to 230 ft bgs		5/21/2008 240 to 250 ft bgs	
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Titanium and Fluoride</b>												
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	1.4	A	2.5	A	2.1	A	0.22	A

**Notes:**

- # Compound detected below or equal to screening criteria
- A Compound detected above screening criteria
- ~ Compound without screening criteria detected
- bgs below ground surface
- ft feet
- J Value estimated
- U Compound not detected above reporting limit
- ug/L micrograms per liter
- mg/L milligrams per liter
- TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

		Sample Code	Site-specific-GW	MPW-05-PD-A-R2			MPW-05-PD-B-R2			MPW-05-PD-C-R2			MPW-05-PD-D-R2				
		Sample Name		5/21/2008			5/21/2008			5/21/2008			5/21/2008				
		Sample Date		160 to 170 ft bgs			185 to 195 ft bgs			205 to 215 ft bgs			225 to 235 ft bgs				
Cas Rn	Chemical Name	Analytic	Unit \ Depth														
	<b>Volatile Organic Compounds</b>																
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5		0.5	U		0.5	U		0.5	U	0.5	U		
74-87-3	Chloromethane	TVOA	ug/L	5		0.5	U		0.5	U		0.5	U	0.5	U		
75-01-4	Vinyl Chloride	TVOA	ug/L	2		0.5	U		0.5	U		0.5	U	0.5	U		
74-83-9	Bromomethane	TVOA	ug/L	5		0.5	U		0.5	U		0.5	U	0.5	U		
75-00-3	Chloroethane	TVOA	ug/L	5		0.5	U		0.5	U		0.5	U	0.5	U		
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5		0.5	U		0.5	U		0.5	U	0.5	U		
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5		0.5	U		0.5	U		0.5	U	0.5	U		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5		0.5	U		0.5	U		0.5	U	0.5	U		
67-64-1	Acetone	TVOA	ug/L	50		5	U		5	U		5	U	5	U		
75-15-0	Carbon Disulfide	TVOA	ug/L	50		0.45	J	#	0.5	U		0.5	U	0.5	U		
79-20-9	Methyl Acetate	TVOA	ug/L	N/A		0.5	U		0.5	U		0.5	U	0.5	U		
75-09-2	Methylene Chloride	TVOA	ug/L	5		0.5	U		0.5	U		0.5	U	0.5	U		
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5		0.5	U		0.5	U		0.5	U	0.5	U		
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10		1.8		#	0.5	U		0.5	U	0.5	U		
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5		0.5	U		0.5	U		0.33	J	#	0.54	#	
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5		0.5	U		0.5	U		0.5	U	0.5	U		
78-93-3	2-Butanone	TVOA	ug/L	50		5	U		5	U		5	U	5	U		
74-97-5	Chlorobromomethane	TVOA	ug/L	5		0.5	U		0.5	U		0.5	U	0.5	U		
67-66-3	Chloroform	TVOA	ug/L	7		0.32	J	#	0.5	U		0.5	U	0.37	J	#	
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5		0.5	U		0.17	J	#	0.44	J	#	0.72	#	
110-82-7	Cyclohexane	TVOA	ug/L	N/A		0.5	U		0.5	U		0.5	U	0.5	U		
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5		0.5	U		0.5	U		0.5	U	0.5	U		
71-43-2	Benzene	TVOA	ug/L	1		0.5	U		0.5	U		0.5	U	0.5	U		
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6		0.5	U		0.5	U		0.5	U	0.5	U		
79-01-6	Trichloroethene	TVOA	ug/L	5		0.33	J	#	0.89		#	6.4		A	8.4		A
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A		0.5	U		0.5	U		0.5	U	0.5	U		
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1		0.5	U		0.5	U		0.5	U	0.5	U		
75-27-4	Bromodichloromethane	TVOA	ug/L	50		0.5	U		0.5	U		0.5	U	0.5	U		
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4		0.5	U		0.5	U		0.5	U	0.5	U		
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50		5	U		5	U		5	U	5	U		
108-88-3	Toluene	TVOA	ug/L	5		1.2		#	0.5	U		0.5	U	0.14	J	#	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4		0.5	U		0.5	U		0.5	U	0.5	U		
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1		0.5	U		0.5	U		0.5	U	0.5	U		
127-18-4	Tetrachloroethene	TVOA	ug/L	5		0.36	J	#	0.5	U		0.53		#	0.61		#
591-78-6	2-Hexanone	TVOA	ug/L	50		5	U		5	U		5	U	5	U		
124-48-1	Dibromochloromethane	TVOA	ug/L	50		0.5	U		0.5	U		0.5	U	0.5	U		
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006		0.5	U		0.5	U		0.5	U	0.5	U		

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

		Sample Code	Site-specific-GW	MPW-05-PD-A-R2	MPW-05-PD-B-R2	MPW-05-PD-C-R2	MPW-05-PD-D-R2
		Sample Name		5/21/2008	5/21/2008	5/21/2008	5/21/2008
		Sample Date		160 to 170 ft bgs	185 to 195 ft bgs	205 to 215 ft bgs	225 to 235 ft bgs
Cas Rn	Chemical Name	Analytic Method	Unit \ Depth				
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5 U	0.5 U	0.5 U
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5 U	0.5 U	0.5 U
95-47-6	o-Xylene	TVOA	ug/L	5	0.5 U	0.5 U	0.5 U
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5 U	0.5 U	0.5 U
100-42-5	Styrene	TVOA	ug/L	5	0.5 U	0.5 U	0.5 U
75-25-2	Bromoform	TVOA	ug/L	50	0.5 U	0.5 U	0.5 U
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5 U	0.5 U	0.5 U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5 U	0.5 U	0.5 U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5 U	0.5 U	0.5 U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5 U	0.5 U	0.5 U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5 U	0.5 U	0.5 U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5 U	0.5 U	0.5 U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5 U	0.5 U	0.5 U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5 U	0.5 U	0.5 U
<b>Titanium and Fluoride</b>							
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	10 U	10 U	10 U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.11 J #	0.08 J #	0.094 J #

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

			Sample Code	Site-specific-GW	MPW-06-PD-A-R2		MPW-06-PD-B-R2		MPW-06-PD-C-R2		MPW-06-PD-D-R2					
			Sample Name		5/22/2008		5/22/2008		5/22/2008		5/22/2008					
Cas Rn	Chemical Name	Analytic	Unit \ Depth		65 to 75 ft bgs		90 to 100 ft bgs		115 to 125 ft bgs		160 to 170 ft bgs					
	<b>Volatile Organic Compounds</b>															
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5	U		0.5	U	0.5	U	0.5	U			
74-87-3	Chloromethane	TVOA	ug/L	5	0.13	J	#	0.5	U	0.5	U	0.5	U			
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5	U		0.5	U	0.5	U	0.5	U			
74-83-9	Bromomethane	TVOA	ug/L	5	0.5	U		0.5	U	0.5	U	0.5	U			
75-00-3	Chloroethane	TVOA	ug/L	5	0.5	U		0.5	U	0.5	U	0.5	U			
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5	U		0.5	U	0.5	U	0.5	U			
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5	U		0.5	U	0.5	U	0.19	J	#		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5	U		0.5	U	0.5	U	0.5	U			
67-64-1	Acetone	TVOA	ug/L	50	5	U		5	U	5	U	5	U			
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5	U		0.5	U	0.5	U	0.5	U			
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5	U		0.5	U	0.5	U	0.5	U			
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5	U		0.5	U	0.5	U	0.5	U			
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5	U		0.5	U	0.5	U	0.5	U			
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	0.5	U		0.21	J	#	0.5	U	0.5	U		
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.5	U		0.5	U	0.44	J	#	0.48	J	#	
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.5	U		0.5	U	0.18	J	#	0.19	J	#	
78-93-3	2-Butanone	TVOA	ug/L	50	5	U		5	U	5	U	5	U			
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5	U		0.5	U	0.5	U	0.5	U			
67-66-3	Chloroform	TVOA	ug/L	7	0.5	U		0.5	U	0.5	U	0.49	J	#		
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	0.5	U		0.5	U	0.49	J	#	0.36	J	#	
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5	U		0.5	U	0.5	U	0.5	U			
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5	U		0.5	U	0.5	U	0.5	U			
71-43-2	Benzene	TVOA	ug/L	1	0.5	U		0.5	U	0.5	U	0.5	U			
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5	U		0.5	U	0.5	U	0.5	U			
79-01-6	Trichloroethene	TVOA	ug/L	5	0.5	U		0.76	J	#	1.7	J	#	6.9	J	A
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5	U		0.5	U	0.5	U	0.5	U			
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5	U		0.5	U	0.5	U	0.5	U			
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5	U		0.5	U	0.5	U	0.5	U			
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U		0.5	U	0.5	U	0.5	U			
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5	U		5	U	5	U	5	U			
108-88-3	Toluene	TVOA	ug/L	5	1	J	#	1.3	J	#	0.5	U	0.5	U		
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U		0.5	U	0.5	U	0.5	U			
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5	U		0.5	U	0.5	U	0.5	U			
127-18-4	Tetrachloroethene	TVOA	ug/L	5	0.5	U		0.5	U	0.5	U	0.5	U			
591-78-6	2-Hexanone	TVOA	ug/L	50	5	U		5	U	5	U	5	U			
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5	U		0.5	U	0.5	U	0.5	U			
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5	U		0.5	U	0.5	U	0.5	U			

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Unit	Sample Code Sample Name Sample Date Depth	Site-specific-GW	MPW-06-PD-A-R2		MPW-06-PD-B-R2		MPW-06-PD-C-R2		MPW-06-PD-D-R2	
						5/22/2008 65 to 75 ft bgs		5/22/2008 90 to 100 ft bgs		5/22/2008 115 to 125 ft bgs		5/22/2008 160 to 170 ft bgs	
108-90-7	Chlorobenzene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA	ug/L		N/A	0.5	U	0.13	J	0.5	U	0.5	U
100-42-5	Styrene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L		0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Titanium and Fluoride</b>													
7440-32-6	Titanium Metal Powder	SW6010E	ug/L		N/A	10	U	10	U	27.8	~	10	U
16984-48-8	Fluoride	Fluoride	mg/L		0.12	0.15	J A	0.096	J #	0.056	J #	0.076	J #

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous



**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit & Depth	Site-specific-GW	MPW-07-PD-B-R2		MPW-07-PD-C-R2		MPW-08-PD-A-R2		MPW-08-PD-B-R2	
					6/2/2008 220 to 230 ft bgs		6/3/2008 250 to 260 ft bgs		5/22/2008 25 to 35 ft bgs		5/22/2008 45 to 55 ft bgs	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	TVOA	ug/L	5	0.5 U		0.17 J #		0.5 U		0.5 U	
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	0.9 #		0.5 U		0.33 J #		0.25 J #	
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.19 J #		0.11 J #		0.5 U		0.5 U	
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
78-93-3	2-Butanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	TVOA	ug/L	7	0.5 U		0.5 U		0.5 U		0.5 U	
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	0.6 #		0.5 U		0.5 U		0.5 U	
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	TVOA	ug/L	5	1.1 #		0.3 J #		2.6 #		3.6 #	
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	TVOA	ug/L	5	0.27 J #		0.5 U		0.5 U		0.5 U	
591-78-6	2-Hexanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-07-PD-B-R2		MPW-07-PD-C-R2		MPW-08-PD-A-R2		MPW-08-PD-B-R2	
					6/2/2008 220 to 230 ft bgs		6/3/2008 250 to 260 ft bgs		5/22/2008 25 to 35 ft bgs		5/22/2008 45 to 55 ft bgs	
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
Titanium and Fluoride												
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	10	U			10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	2.6	A			0.062	J #	0.056	J #

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-08-PD-C-R2		MPW-08-PD-D-R2		MPW-08-PD-E-R2		MPW-09-PD-A-R2	
						5/22/2008		5/22/2008		5/22/2008		5/28/2008	
						75 to 85 ft bgs		95 to 105 ft bgs		115 to 125 ft bgs		10 to 20 ft bgs	
	<b>Volatile Organic Compounds</b>												
75-71-8	Dichlorodifluoromethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-01-4	Vinyl Chloride	TVOA	ug/L		2	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-69-4	Trichlorofluoromethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-35-4	1,1-Dichloroethene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-64-1	Acetone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
79-20-9	Methyl Acetate	TVOA	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L		10	0.16	J #	0.14	J #	0.15	J #	0.78	#
75-34-3	1,1-Dichloroethane	TVOA	ug/L		5	0.19	J #	0.74	#	0.32	J #	1.7	#
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L		5	5	U	5	U	5	U	5	U
78-93-3	2-Butanone	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
74-97-5	Chlorobromomethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	TVOA	ug/L		7	0.5	U	0.5	U	0.5	U	0.5	U
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L		5	0.18	J #	0.28	J #	0.5	U	0.98	#
110-82-7	Cyclohexane	TVOA	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
71-43-2	Benzene	TVOA	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
107-06-2	1,2-Dichloroethane	TVOA	ug/L		0.6	0.5	U	0.5	U	0.5	U	0.5	U
79-01-6	Trichloroethene	TVOA	ug/L		5	16	A	37	A	15	A	49	A
108-87-2	Methylcyclohexane	TVOA	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
78-87-5	1,2-Dichloropropane	TVOA	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
108-88-3	Toluene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
127-18-4	Tetrachloroethene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.85	#
591-78-6	2-Hexanone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	TVOA	ug/L		0.0006	0.5	U	0.5	U	0.5	U	0.5	U

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-08-PD-C-R2		MPW-08-PD-D-R2		MPW-08-PD-E-R2		MPW-09-PD-A-R2	
					5/22/2008 75 to 85 ft bgs		5/22/2008 95 to 105 ft bgs		5/22/2008 115 to 125 ft bgs		5/28/2008 10 to 20 ft bgs	
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Titanium and Fluoride</b>												
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.052	J #	0.048	J #	0.11	J #	0.082	J #

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-09-PD-B-R2		MPW-09-PD-C-R2		MPW-09-PD-D-R2		MPW-09-PD-E-R2	
						5/28/2008 45 to 55 ft bgs		5/28/2008 70 to 80 ft bgs		5/28/2008 90 to 100 ft bgs		5/28/2008 125 to 135 ft bgs	
	<b>Volatile Organic Compounds</b>												
75-71-8	Dichlorodifluoromethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-01-4	Vinyl Chloride	TVOA	ug/L		2	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-69-4	Trichlorofluoromethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-35-4	1,1-Dichloroethene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-64-1	Acetone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
79-20-9	Methyl Acetate	TVOA	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L		5	0.5	U	0.5	U	0.11	J #	0.5	U
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L		10	0.5	U	0.5	U	0.5	U	0.5	U
75-34-3	1,1-Dichloroethane	TVOA	ug/L		5	1.8	#	2.3	J #	1.6	J #	1.1	J #
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L		5	6.6	A	8.2	A	10	A	0.59	#
78-93-3	2-Butanone	TVOA	ug/L		50	5	U	1	J #	5	U	5	U
74-97-5	Chlorobromomethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	TVOA	ug/L		7	0.5	U	0.62	J #	0.6	J #	0.63	J #
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L		5	1.6	#	1.6	J #	1.1	J #	0.71	J #
110-82-7	Cyclohexane	TVOA	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	TVOA	ug/L		5	0.2	J #	0.2	J #	0.14	J #	0.5	U
71-43-2	Benzene	TVOA	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
107-06-2	1,2-Dichloroethane	TVOA	ug/L		0.6	0.5	U	0.5	U	0.5	U	0.5	U
79-01-6	Trichloroethene	TVOA	ug/L		5	330	A	560	A	510	A	71	A
108-87-2	Methylcyclohexane	TVOA	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
78-87-5	1,2-Dichloropropane	TVOA	ug/L		1	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
108-88-3	Toluene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L		1	0.5	U	0.16	J #	0.39	J #	0.5	U
127-18-4	Tetrachloroethene	TVOA	ug/L		5	6.6	A	6	A	4	#	0.87	#
591-78-6	2-Hexanone	TVOA	ug/L		50	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	TVOA	ug/L		0.0006	0.5	U	0.5	U	0.5	U	0.5	U

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-09-PD-B-R2		MPW-09-PD-C-R2		MPW-09-PD-D-R2		MPW-09-PD-E-R2	
					5/28/2008 45 to 55 ft bgs		5/28/2008 70 to 80 ft bgs		5/28/2008 90 to 100 ft bgs		5/28/2008 125 to 135 ft bgs	
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Titanium and Fluoride</b>												
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.068	J #	0.066	J #	0.06	J #	0.054	J #

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MPW-10-PD-A-R2		MPW-10-PD-B-R2		MPW-10-PD-C-R2		MPW-10-PD-D-R2	
					5/28/2008 160 to 170 ft bgs		5/28/2008 185 to 195 ft bgs		5/28/2008 215 to 225 ft bgs		5/28/2008 235 to 245 ft bgs	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.86 U	#
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	1.6 J	#	4.3 J	#	1.4 J	#	0.37 J	#
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.72 J	#	0.23 J	#	0.7 J	#	2.9 J	#
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.32 J	#	1.4 J	#	1.7 J	#	0.5 U	
78-93-3	2-Butanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	TVOA	ug/L	7	0.57 J	#	0.5 U		0.57 J	#	0.7 U	
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	1 J	#	0.38 J	#	1 J	#	2.4 J	#
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
71-43-2	Benzene	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	TVOA	ug/L	5	18 A		59 A		40 A		3.3 A	#
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
127-18-4	Tetrachloroethene	TVOA	ug/L	5	7 A		27 A		19 A		1.1 A	#
591-78-6	2-Hexanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Unit	Sample Code Sample Name Sample Date	Site-specific-GW	MPW-10-PD-A-R2		MPW-10-PD-B-R2		MPW-10-PD-C-R2		MPW-10-PD-D-R2	
						5/28/2008 160 to 170 ft bgs		5/28/2008 185 to 195 ft bgs		5/28/2008 215 to 225 ft bgs		5/28/2008 235 to 245 ft bgs	
108-90-7	Chlorobenzene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA	ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA	ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L		0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Titanium and Fluoride</b>													
7440-32-6	Titanium Metal Powder	SW6010E	ug/L		N/A	10	U	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L		0.12	0.074	J #	1	A	1.4	A	0.26	A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous



**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	FG-01-PD-R2		MW-05-PD-R2		MW-PD-11-PD-R2		MW-PD-12-PD-R2	
					6/3/2008 190 to 200 ft bgs		6/2/2008 180 to 195 ft bgs		6/2/2008 195 to 205 ft bgs		6/2/2008 150 to 160 ft bgs	
	<b>Volatile Organic Compounds</b>											
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
67-64-1	Acetone	TVOA	ug/L	50	5	U	5	U	5	U	5	U
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5	U	0.5	U	0.16	J #	0.5	U
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	0.17	J #	0.36	J #	0.33	J #	1.6	J #
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.1	J #
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	1.1	J #
78-93-3	2-Butanone	TVOA	ug/L	50	5	U	5	U	5	U	5	U
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	TVOA	ug/L	7	9.4	A	0.5	U	1.1	U	0.5	U
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	0.5	U	0.14	J #	0.13	J #	0.11	J #
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
71-43-2	Benzene	TVOA	ug/L	1	0.5	U	0.5	U	0.5	U	0.5	U
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5	U	0.5	U	0.5	U	0.5	U
79-01-6	Trichloroethene	TVOA	ug/L	5	0.16	J #	0.52	U	0.5	U	210	A
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U	0.5	U	0.5	U	0.5	U
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5	U	5	U	5	U	5	U
108-88-3	Toluene	TVOA	ug/L	5	0.5	U	0.15	J #	0.5	U	0.5	U
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5	U	0.5	U	0.5	U	0.5	U
127-18-4	Tetrachloroethene	TVOA	ug/L	5	0.5	U	0.11	J #	0.16	J #	4.1	J #
591-78-6	2-Hexanone	TVOA	ug/L	50	5	U	5	U	5	U	5	U
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5	U	0.5	U	0.5	U	0.5	U

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic & Unit \\ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	FG-01-PD-R2		MW-05-PD-R2		MW-PD-11-PD-R2		MW-PD-12-PD-R2	
					6/3/2008 190 to 200 ft bgs		6/2/2008 180 to 195 ft bgs		6/2/2008 195 to 205 ft bgs		6/2/2008 150 to 160 ft bgs	
108-90-7	Chlorobenzene	TVOA ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA ug/L		N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	TVOA ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA ug/L		50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA ug/L		3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA ug/L		0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA ug/L		5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Titanium and Fluoride</b>												
7440-32-6	Titanium Metal Powder	SW6010E ug/L		N/A	19	~	10	U	33	~	19.7	~
16984-48-8	Fluoride	Fluoride mg/L		0.12	0.04	J #	0.088	J #	0.12	J #	2.9	A

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-13-PD-R2		MW-PD-14-PD-R2		MW-PD-15-PD-R2		MW-PD-16-PD-R2	
					6/3/2008		6/3/2008		6/3/2008		5/29/2008	
					175 to 185 ft bgs		239 to 249 ft bgs		204 to 214 ft bgs		190 to 200 ft bgs	
<b>Volatile Organic Compounds</b>												
75-71-8	Dichlorodifluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
74-87-3	Chloromethane	TVOA	ug/L	5	0.5 U		0.15 J	#	0.5 U		0.5 U	
75-01-4	Vinyl Chloride	TVOA	ug/L	2	0.5 U		0.5 U		0.5 U		0.5 U	
74-83-9	Bromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-00-3	Chloroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.91	#
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-64-1	Acetone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
75-15-0	Carbon Disulfide	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
79-20-9	Methyl Acetate	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
75-09-2	Methylene Chloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.1 J	#
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L	10	0.17 J	#	0.36 J	#	0.5 U		0.5 U	
75-34-3	1,1-Dichloroethane	TVOA	ug/L	5	0.5 U		0.34 J	#	1.9	#	3	#
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L	5	0.5 U		3	#	0.94	#	13	A
78-93-3	2-Butanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
74-97-5	Chlorobromomethane	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.5 U	
67-66-3	Chloroform	TVOA	ug/L	7	0.5 U		0.5 U		0.5 U		0.56 U	
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L	5	0.5 U		0.31 J	#	1.5	#	1.7	#
110-82-7	Cyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L	5	0.5 U		0.5 U		0.5 U		0.16 J	#
71-43-2	Benzene	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L	0.6	0.5 U		0.5 U		0.5 U		0.5 U	
79-01-6	Trichloroethene	TVOA	ug/L	5	0.5 U		350	A	35	A	1900	A
108-87-2	Methylcyclohexane	TVOA	ug/L	N/A	0.5 U		0.5 U		0.5 U		0.5 U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.5 U	
75-27-4	Bromodichloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
108-88-3	Toluene	TVOA	ug/L	5	0.5 U		0.62 U		0.5 U		0.5 U	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L	0.4	0.5 U		0.5 U		0.5 U		0.5 U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L	1	0.5 U		0.5 U		0.5 U		0.38 J	#
127-18-4	Tetrachloroethene	TVOA	ug/L	5	0.5 U		4.5	#	1.9	#	14	A
591-78-6	2-Hexanone	TVOA	ug/L	50	5 U		5 U		5 U		5 U	
124-48-1	Dibromochloromethane	TVOA	ug/L	50	0.5 U		0.5 U		0.5 U		0.5 U	
106-93-4	1,2-Dibromoethane	TVOA	ug/L	0.0006	0.5 U		0.5 U		0.5 U		0.5 U	

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \ Depth	Site-specific-GW	MW-PD-13-PD-R2		MW-PD-14-PD-R2		MW-PD-15-PD-R2		MW-PD-16-PD-R2	
					6/3/2008 175 to 185 ft bgs		6/3/2008 239 to 249 ft bgs		6/3/2008 204 to 214 ft bgs		5/29/2008 190 to 200 ft bgs	
108-90-7	Chlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	o-Xylene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	m,p-Xylene	TVOA	ug/L	N/A	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	TVOA	ug/L	50	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	TVOA	ug/L	3	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA	ug/L	0.04	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	TVOA	ug/L	5	0.5	U	0.5	U	0.5	U	0.5	U
<b>Titanium and Fluoride</b>												
7440-32-6	Titanium Metal Powder	SW6010E	ug/L	N/A	45.1	~	10	U	10	U	10	U
16984-48-8	Fluoride	Fluoride	mg/L	0.12	0.12	J #	0.1	J #	0.08	J #	0.07	J #

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

Cas Rn	Chemical Name	Analytic Method	Unit \ Depth	Sample Code Sample Name Sample Date	Site-specific-GW	MW-PD-17-PD-R2		
						5/29/2008 80 to 90 ft bgs		
	<b>Volatile Organic Compounds</b>							
75-71-8	Dichlorodifluoromethane	TVOA	ug/L		5	0.5	U	
74-87-3	Chloromethane	TVOA	ug/L		5	0.5	U	
75-01-4	Vinyl Chloride	TVOA	ug/L		2	0.5	U	
74-83-9	Bromomethane	TVOA	ug/L		5	0.5	U	
75-00-3	Chloroethane	TVOA	ug/L		5	0.5	U	
75-69-4	Trichlorofluoromethane	TVOA	ug/L		5	0.5	U	
75-35-4	1,1-Dichloroethene	TVOA	ug/L		5	0.26	J	#
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TVOA	ug/L		5	0.5	U	
67-64-1	Acetone	TVOA	ug/L		50	5	U	
75-15-0	Carbon Disulfide	TVOA	ug/L		50	0.5	U	
79-20-9	Methyl Acetate	TVOA	ug/L		N/A	0.5	U	
75-09-2	Methylene Chloride	TVOA	ug/L		5	0.5	U	
156-60-5	trans-1,2-Dichloroethene	TVOA	ug/L		5	0.5	U	
1634-04-4	Methyl tert-Butyl Ether	TVOA	ug/L		10	1.4		#
75-34-3	1,1-Dichloroethane	TVOA	ug/L		5	0.81		#
156-59-2	cis-1,2-Dichloroethene	TVOA	ug/L		5	0.17	J	#
78-93-3	2-Butanone	TVOA	ug/L		50	5	U	
74-97-5	Chlorobromomethane	TVOA	ug/L		5	0.5	U	
67-66-3	Chloroform	TVOA	ug/L		7	1.8		#
71-55-6	1,1,1-Trichloroethane	TVOA	ug/L		5	0.91		#
110-82-7	Cyclohexane	TVOA	ug/L		N/A	0.5	U	
56-23-5	Carbon Tetrachloride	TVOA	ug/L		5	0.5	U	
71-43-2	Benzene	TVOA	ug/L		1	0.5	U	
107-06-2	1,2-Dichloroethane	TVOA	ug/L		0.6	0.5	U	
79-01-6	Trichloroethene	TVOA	ug/L		5	0.5	U	
108-87-2	Methylcyclohexane	TVOA	ug/L		N/A	0.5	U	
78-87-5	1,2-Dichloropropane	TVOA	ug/L		1	0.5	U	
75-27-4	Bromodichloromethane	TVOA	ug/L		50	0.51		#
10061-01-5	cis-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5	U	
108-10-1	4-Methyl-2-pentanone	TVOA	ug/L		50	5	U	
108-88-3	Toluene	TVOA	ug/L		5	0.5	U	
10061-02-6	trans-1,3-Dichloropropene	TVOA	ug/L		0.4	0.5	U	
79-00-5	1,1,2-Trichloroethane	TVOA	ug/L		1	0.5	U	
127-18-4	Tetrachloroethene	TVOA	ug/L		5	0.5	U	
591-78-6	2-Hexanone	TVOA	ug/L		50	5	U	
124-48-1	Dibromochloromethane	TVOA	ug/L		50	0.39	J	#
106-93-4	1,2-Dibromoethane	TVOA	ug/L		0.0006	0.5	U	

**Table F-4**  
**Groundwater Sampling - Round 2**  
**Full Data Table**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

		Sample Code	Site-specific-GW	MW-PD-17-PD-R2
		Sample Name		
		Sample Date		5/29/2008
Cas Rn	Chemical Name	Analytic Method \ Unit \ Depth		80 to 90 ft bgs
108-90-7	Chlorobenzene	TVOA ug/L	5	0.5 U
100-41-4	Ethylbenzene	TVOA ug/L	5	0.5 U
95-47-6	o-Xylene	TVOA ug/L	5	0.5 U
179601-23-1	m,p-Xylene	TVOA ug/L	N/A	0.5 U
100-42-5	Styrene	TVOA ug/L	5	0.5 U
75-25-2	Bromoform	TVOA ug/L	50	0.5 U
98-82-8	Isopropylbenzene	TVOA ug/L	5	0.5 U
79-34-5	1,1,2,2-Tetrachloroethane	TVOA ug/L	5	0.5 U
541-73-1	1,3-Dichlorobenzene	TVOA ug/L	3	0.5 U
106-46-7	1,4-Dichlorobenzene	TVOA ug/L	3	0.5 U
95-50-1	1,2-Dichlorobenzene	TVOA ug/L	3	0.5 U
96-12-8	1,2-Dibromo-3-chloropropane	TVOA ug/L	0.04	0.5 U
120-82-1	1,2,4-Trichlorobenzene	TVOA ug/L	5	0.5 U
87-61-6	1,2,3-Trichlorobenzene	TVOA ug/L	5	0.5 U
<b>Titanium and Fluoride</b>				
7440-32-6	Titanium Metal Powder	SW6010E ug/L	N/A	10 U
16984-48-8	Fluoride	Fluoride mg/L	0.12	0.078 J #

**Notes:**

# Compound detected below or equal to screening criteria  
A Compound detected above screening criteria  
~ Compound without screening criteria detected  
bgs below ground surface  
ft feet  
J Value estimated  
U Compound not detected above reporting limit  
ug/L micrograms per liter  
mg/L milligrams per liter  
TVOA Trace Volatile Organic Analyte - Aqueous

## APPENDIX G

### Data Usability Assessment



# **Appendix G**

## **Data Usability/Data Quality Assessment Report**

CDM Federal Programs Corporation (CDM), under contract with U.S. Environmental Protection Agency (EPA), Region 2, performed field activities in support of the Remedial Design Activities at the Lawrence Aviation Industries Site (LAI). Samples were collected from November 2007 through May 2008.

The purpose of this assessment is to evaluate the data collected and determine whether they met the quality objectives outlined in the CDM Final Quality Assurance Project Plan (QAPP) dated October 2007.

The results of the data evaluations completed by CDM are presented in this section.

### **G.1.0 Usability Summary**

Samples were collected and analyzed in accordance with the Final QAPP for the LAI Site except for field changes enacted during the investigation. These changes did not have an adverse impact on the field program objectives. The changes are summarized below in Section G.3.1.

Except for data qualified as "R" rejected, the data reported herein are usable as reported with the data validation qualifiers added.

The data associated with this report were analyzed in accordance with approved methods and are usable for remedial design with the exception of the rejected "R" results.

### **G.2 Project Objectives**

Field data collection activities were conducted to support design of the groundwater extraction and treatment system and design and application of in-situ chemical oxidation on the LAI property. Additional chemical and physical data were collected to refine the boundaries of the groundwater plume and refine soil sources that may contribute to groundwater contamination. The following summarizes the sampling activities performed in support of the project objectives:

- Aquifer testing
- Continuous water level measurement
- Monitoring well sampling
- Subsurface soil boring sampling from selected locations
- Pump testing

The Technical Memorandum and Design Report provide details of the field activities performed to accomplish the project objectives discussed above.



## **G.2.0 Data Quality Objectives**

Data quality objectives (DQOs) were established during project planning to generate data of sufficient quality and quantity to achieve the project objectives. Data for expedited field decisions were collected as screening level data utilizing less stringent quality control (QC) measures and not requiring data validation. Data to be used for more critical decisions such as determining the plume boundary were collected for definitive level measurements requiring stricter QC measures and data validation. For each data level, measurement performance criteria were established for the data quality indicators (DQI) of precision, accuracy, representativeness, comparability, and completeness. These DQIs provide a mechanism for on-going control, evaluating and measuring data quality throughout the project. These DQIs are outlined in Worksheets #12, 15, and 28 of the Final QAPP.

## **G.3.0 Summary of Field Activities**

CDM completed sampling activities in accordance with the EPA approved Final QAPP. A summary of the samples collected and the analyses performed is presented in Table G-1. Samples were collected and shipped to the EPA contract laboratory program (CLP) laboratories, Division of Environmental Science and Assessment (DESA), and CDM's subcontract laboratory, Kathadin Analytical Laboratory. The Final QAPP defined the procedures to be followed and documented the data quality requirements for the field program.

Matrix spike/matrix spike duplicates (MS/MSDs) or laboratory duplicates, field duplicates, field rinsate blanks, and trip blanks were collected at the frequency described in the Final QAPP to determine the accuracy and precision of the field data.

Field rinsate blanks were associated with each day of sample collection for both groundwater screening (hyphenated with "-GW") and soil boring samples. One exception was the soil samples collected on January 7, 2008; these were associated with the equipment decontamination event on January 3. The number of field rinsate blanks collected for groundwater sampling was lower than planned in the Final QAPP; however, dedicated equipment was used for sampling the multiport wells and a field rinsate blank was collected for each decontamination event for standard well sampling (FG-01 and MW-05 in Round 1 and MW-PD-16, MW-PD-17, FG-01 and MW-05 in Round 2). Therefore the lower number of field blanks did not impact the data quality of the soil samples collected.

Trip blanks were submitted with each shipment of associated water samples for volatile organic analysis including the groundwater screening samples collected from the bottom of the deep soil borings.

Field duplicate samples (blind duplicate samples submitted to the laboratory for confirmation analysis) were numbered using a similar format to the original samples, but were given non-specific numbers for sample anonymity. After receipt of analytical results the laboratory duplicate samples were renamed to their true sample identification with the suffix "-Dup" added to signify a duplicate sample.

Example: Sample name = MPW-07-PD-C-R1  
Blind duplicate sample name = MPW-77-PD-C-R1  
True duplicate sample name = MPW-07- PD-C-R1-Dup

### **G.3.1 Deviations from Field Procedures**

Ten field change requests (FCRs) were prepared to address deviations from planned events and are cited in Appendix A and discussed in the Technical Memorandum. FCRs -1 and -3 represented changed drilling procedures for the deep soil boring installation and the monitoring well respectively. These changes resulted in more cost effective and timely completion of drilling and improved quality of the groundwater screening samples.

FCR-2 was implemented to change the location of boring SBD-PD-18 to investigate the source of high concentrations of volatile organic compounds (VOCs) detected during the site wide vapor sampling performed by EPA's Environmental Response Team (ERT). This change was made to improve the information provided from this boring.

FCRs -4, -7, and -8 each covered an additional groundwater screening sample (MW-PD-12, -16, and -14) at depth to further delineate the vertical contaminant distribution and to determine the proper depth for the screen intervals. In addition, for FCR #8, the samples were collected from the bottom up and the drilling method changed due to difficulty in drilling at that location. FCR-9 implemented changes at the MW-PD15 location similar to those for FCR-8. These alternate methods and additional samples will improve the achievement of the project objectives.

FCRs-5, and -6 involved additional steps to improve the development of extraction well EW-01. A bentonite mud recovery and then the use of high pressure jetting was utilized to improve well productivity and to generate data representative of the actual conditions.

FCR-10 reflected a change in the depth of the groundwater screening sample at MW-PD-13 proposed at 245 feet due to auger refusal. A sample was collected at 160 feet below ground surface instead. These field changes allowed the investigation to proceed and facilitated the achievement of planned objectives.

### **G.4.0 Quality Assurance/ Quality Control (QA/QC)**

Field Quality Assurance/Quality Control (QA/QC) objectives were accomplished through the use of appropriate sampling techniques and collection of rinsate blanks and trip blanks. Analytical QA/QC was assessed by internal QC checks, method blanks, surrogate and related spikes, sample custody tracking, sample preservation, adherence to holding times, laboratory control samples (LCSs) and MS/MSDs.

#### **G.4.1 Methods**

Samples were analyzed using the methods listed on Table G-2. The method SOPs listed on Table G-2 incorporate the requirements of the methods listed Final QAPP. Analytical QC procedures are detailed in the most current revision of the CLP SOWs, Standard Methods and

laboratory-specific SOPs. The SOPs utilized by the EPA DESA laboratory (Table G-2) are laboratory specific procedures to implement the requested analytical procedures and are not necessarily QAPP deviations. Some of the methods (alkalinity, hardness, nitrate, nitrite and filterable and non-filterable residue) noted in the validation reports seem to deviate from those listed in the Final QAPP. The nitrate, nitrite and hardness deviations are acceptable. The other methods (310, 130, and 160) are derived from and based on Standard Methods (SM) procedures, so the project needs/requirements of the QAPP methods have therefore been met or exceeded except as noted in the data usability report or data validation reports.

CLP data were subsequently reviewed by EPA or their validation contractor; DESA generated data was self validated; and subcontract data was reviewed by CDM. The data review was performed using EPA Region 2 standard operating procedures (SOP). The analyses were validated using the following documents, as applicable to each method:

- SOP HW-34 (Revision 0 and revision 1) for Validation of Trace Volatile Organic Analysis under CLP SOW SOM01.1 and the current CLP SOW SOM01.2.
- SOP HW-33 (Revision 0 and Revision 1) for Validation of Organic Analysis for review of Low/Medium Level analysis under CLP SOW SOM01.1 and the current CLP SOW SOM01.2.
- SOP HW-36 and HW-37 (Revision 1) for Validation of Pesticides and PCBs under the current CLP SOW SOM01.2.
- HW-2 (Revision 13) for Evaluation of Metals Data for the CLP.
- CDM Standard Operating Procedures (SOP) CDM-029A, Rev.0.

The data validation narratives indicate that the sample analyses generally met the QC criteria cited in the methods. Results associated with QC outliers were appropriately qualified by data validators.

## **G.5.0 Data Quality Indicators (DQI)**

Achievement of the project's quality objectives were determined by the use of DQIs. Worksheet numbers 12, 13, 15, 24, 28, 35, 36, and 37 of the Final QAPP outline the DQI requirements for the project. All applied data qualifiers are reflected in the data tables included in the Technical Memorandum.

### **G.5.1 Accuracy**

Accuracy is the degree of agreement for a given measurement against an accepted reference value. It is typically assessed through the analysis of matrix spike and calibration check samples, and expressed as a percent recovery.

Analytical accuracy for the entire data collection activity is difficult to measure because several sources of potential error exist. Errors can be introduced by any of the following:

- Sampling procedure
- Field contamination

- Sample preservation and handling
- Sample matrix
- Sample preparation
- Analytical techniques

By adhering to the approved field and analytical SOPs, approved Final QAPP and by using EPA approved analytical methods for sample analyses the data generated is believed to be accurate. CDM reviewed the laboratory's data for accuracy, that is, the reported surrogate/deuterated monitoring compounds, internal standards, calibration, MS/MSD and LCS results.

EPA and CDM validators reviewed the MS/MSD or laboratory duplicate results reported by the laboratories. MS/MSDs were not required for the VOC and semivolatile organic compound (SVOC) fractions. The MS/MSD recovery failed for pesticide gamma-BHC associated with the Aquifer testing sample ST02-1 so this result was qualified as estimated. Several deuterated monitoring compounds in the VOCs, pesticides and polychlorinated biphenyl (PCB) fractions failed the recovery criteria resulting in estimation of the associated compounds. Iron and lead matrix spike recoveries were below the required criteria resulting in estimation of these analytes in one sample (Phalen-res-01).

The sample data packages received from the EPA DESA laboratory stated that the analytical results met the data quality indicator of accuracy; however, two issues occurred which affect the reported results. One sample designated for alkalinity analysis, PT01-1 Filtered 20 microns, was received at pH 2.6. It is not known if this sample was inadvertently acidified in the field. The alkalinity was reported as non-detect without any titration. Due to laboratory error, the reporting limit of 4 milligrams per liter (mg/L) for total suspended solids was not achieved for five samples.

No other wet chemistry or titanium QC samples used to gauge accuracy required qualification.

Instrument calibration and calibration checks were performed by the laboratories to ensure proper operation and monitoring of drifts in operating parameters. All inorganic calibration criteria were achieved. VOCs (carbon tetrachloride, PCE, toluene, tetrachloroethene, 1,2,3-trichlorobenzene and benzene) and pesticides (gamma-BHC and 4,4-DDE) results were estimated due to percent differences exceeding QC criteria. Non-detect 4,4-DDE and/or gamma-BHC results (Case 37381) were rejected in the aquifer testing samples due to poor recovery of calibration standards. These aquifer testing samples are not included in the Technical Memorandum discussions.

Internal standard recovery below the required criteria resulted in rejection of the VOCs in one sample (SBD-PD-18-K) and estimation of VOCs in six samples.

### G.5.2 Precision

Precision is a quantitative term that estimates the reproducibility of a set of replicate measurements under a given set of conditions. It is defined as a measurement of mutual agreement between measurements of the same property, and is expressed in terms of relative percent difference (RPD) between duplicate determinations.

RPD is calculated as follows:

$$\text{RPD} = \text{absolute value } [(C1-C2)/(C1+C2)/2] \times 100\%$$

where: C1 = Concentration of sample #1  
C2 = Concentration of sample #2

The duplicate samples were collected in the same manner as the original samples but were collected in separate, individual containers, given separate sample identifiers and treated as individual samples by the laboratory.

The analytical precision for the reported data was determined by review of organic MS/MSD, inorganic laboratory duplicate results, and inductively coupled plasma (ICP) serial dilution results. Field and analytical precision was determined from the review of the field duplicate results. The sample results were compared based upon their RPD. The field duplicate samples were collected in the same manner as the original samples but were collected in individual containers, assigned unique sample identifiers and treated as individual samples by the laboratory.

All analytical RPDs were within criteria for method duplicate analyses.

Tables G-3a through G-3e report field duplicate data for the groundwater samples, groundwater screening, aquifer tests, and soil boring samples. Analytical precision cannot be determined if the reported value is less than the instrument detection limit so non-detected result pairs are shown as not calculable (NC) when both reported values were less than the reporting limit. The absolute difference (ABS) was calculated when one result was non-detect or reported below the detection limit, both were below the reporting limit, and for RPD failures. For field duplicate water samples, an RPD of less than 25 percent indicates good precision and an RPD of less than 50 percent (QAPP criteria) is considered reasonable and acceptable. For soil samples, an RPD of less than 50 percent indicates good precision and an RPD of less than 100 percent (QAPP criteria) is reasonable and acceptable. An ABS less than five times the contract required quantitation limit (CRQL) meet the Final QAPP goal.

Table G-3 series show that good precision was achieved between the field duplicate pairs except for the aquifer test sample. One result pair exceeded the water RPD criteria (Table G-3a) (chloromethane in MPW-03-PD-B-R1 [92.3%RPD]), the original sample was below the CRQL of 0.5 micrograms per liter (µg/L) so an ABS value was calculated. The ABS result was below criteria so the result is believed to be reliable and have no impact on the data quality. One soil result exceeded the ABS criteria (Table G-3c) (acetone in SBD-PD-16-P) so this result should be considered as an estimate and used with caution. The groundwater screening field duplicate

sample results (Table G-3d) met the RPD criteria. The aquifer testing field duplicate sample pair results were not precise. Six metal results were rejected by the data validator (aluminum, chromium, iron, lead, manganese, and nickel) representing 1.8 percent of the aquifer samples metal results. Three other inorganic results (barium, copper, and total suspended solids) failed the Final QAPP RPD criteria; of these three barium and copper had one result below the CRQL and met the ABS criteria. The total suspended solid result failed both the RPD and the ABS Final QAPP criteria. The original sample results (PT01-1) are generally higher than the duplicate sample (PT10-1) possible due to the higher suspended solid content.

There is no adverse impact to the usability of the groundwater, screening or soil data due to field duplicate results. The data validator rejected some of the aquifer testing inorganic data as required by EPA Region 2 SOP Guidelines due to differences in the field duplicate results.

### **G.5.3 Blank Contamination**

Table G-4 contains the trip blank and rinsate blank results. Trip blanks are used to determine the intrusion of volatile contaminants during sample shipping and storage. Rinsate blanks are used to demonstrate the effectiveness of the decontamination of sampling tools. Laboratory method and storage blanks are analyzed to indicate possible contamination introduced by sample handling, preparation, and/or analysis in the laboratory.

**Groundwater Blanks:** Contaminant detections were minimal in the Round 1 (11/28/07 - 11/30/07) trip blanks and the one field rinsate blank. VOCs chloroform and trichloroethene (TCE) were detected at levels at or near their CRQLs. More contaminants were detected in the Round 1 reanalysis (TB010408) and Round 2 (5/29/08 - 6/3/08) trip and field rinsate blanks but their levels were similarly low in general. Noted exceptions detected above the CRQL were acetone (9.5 to 11 µg/L) in four Round 2 trip blanks; TCE in one field rinsate blank (16 µg/L in FB052908); and methylene chloride (0.58 µg/L), chloroform (4.2 µg/L) and bromodichloromethane (0.88 µg/L) in TB060208. The other commonly detected VOCs in the blanks were at or near the CRQLs. Detected compounds in associated samples were qualified as non-detect "U" at the CRQL or at the reported level as required.

**Groundwater Field Screening Blanks (1/16/08 - 5/19/08):** Similar contaminants were detected in the trip and field rinsate blanks. Bromomethane and chloroform were detected slightly above the CRQL (5 µg/L) in the trip and field rinsate blanks (5 - 8 µg/L) collected during the groundwater screening sampling.

**Soil Blanks and Groundwater Screening Blanks Collected During Soil Boring Event (12/5/07 - 1/9/08):** Similar contaminants were detected in the trip blanks associated with the groundwater screening samples collected from the bottom of the soil borings and the field rinsate blanks. Chloromethane, acetone, methylene chloride, 2-butanone, chloroform, 1,1,1-trichloroethane, cyclohexane, bromodichloromethane, toluene, and dibromochloromethane were detected in one or more of the blanks. Of these compounds, chloroform was detected in all field rinsate blanks and trip blanks (0.46 - 12 µg/L). Chloromethane (0.2 - 0.75 µg/L), toluene (0.26 - 0.65 µg/L), bromodichloromethane (0.74 - 1.8 µg/L) and acetone (5.2 - 150 µg/L) were also frequently detected. Other compound detections were below the CRQL. The associated

results were qualified as non-detect "U" at the reported level or raised to the appropriate CRQL and qualified "U".

Acetone detections were also widespread, however, detections were elevated above the CRQL levels in the December 2007 to January 2008 sampling event. The more elevated results typically ranged from 17 to 60 µg/L with one high detection of acetone (150 µg/L in FB120508). Acetone was not used for decontamination purposes at the site during the design investigation since the remedial investigation (RI) results showed acetone detection in several samples. The remedial design (RD) investigation samples associated with these blank acetone results also showed detections of acetone up to 240 µg/kg; associated results within the qualification range were flagged "U". Higher sample results above the blank action range were not qualified. The method and storage blank results associated with these sample batches varied from non-detect for acetone to low concentrations (up to 3.2 µg/L). It is uncertain whether acetone resulted from contamination or if the detections are truly representative of site conditions.

**Aquifer Blanks (4/16/08 – 4/24/08):** Methylene chloride was detected in one method blank and chloroform, chloromethane, and trichloroethene were detected at low levels in the trip and field rinsate blanks.

### **G.5.4 Representativeness and Comparability**

Representativeness and comparability are achieved by using EPA-approved sampling procedures and analytical methodologies. By following approved field plan procedures for sample collection, this and future sampling events should yield results representative of environmental conditions at the time of sampling. Similarly, reasonable comparability of analytical results for this and future sampling events can be achieved if the EPA-approved analytical methods and standardized reporting units are utilized.

#### **G.5.4.1 Representativeness**

Representativeness is a qualitative term that expresses the degree to which the sample data accurately and precisely represents the environmental conditions corresponding to the location and depth interval of sample collection. Requirements and procedures for sample collection are designed to maximize sample representativeness. Representativeness also can be monitored by reviewing field documentation and by performing field audits. Appropriate laboratory QA/QC requirements were described in the Final QAPP and laboratory SOWs ensure that the laboratory analytical results were representative of true field conditions.

Sample representativeness was achieved by CDM through the use of EPA analytical methods, the use of inert materials to collect samples, clean sample gloves, and standard sampling procedures designated for EPA Region 2 projects. Samples were shipped on ice at 4°C and received intact at the laboratory. The generally low concentrations of blank contaminants as discussed above indicate that sample results are representative of the site conditions. One uncertainty however, is the acetone detections in the soil samples and associated blanks. It is uncertain whether acetone resulted from contamination or if the detections are truly representative of site conditions.

#### G.5.4.2 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Strict adherence to standard sample collection procedures, analytical detection limits, and analytical methods assures that data from like samples and sample conditions are comparable. This comparability is independent of laboratory personnel, data reviewers, or sampling personnel. Comparability criteria are met for the project if, based on data review, the sample collection and analytical procedures are determined to have been followed, or defined to show that variations did not affect the values reported.

To ensure comparability of data generated for the site, standard sample collection procedures were followed by CDM, and EPA-approved analytical methods were utilized by DESA, CLP and Katahdin laboratories (Table G-5). Utilizing such procedures and methods enables the current data to be comparable with the previous data sets generated with similar methods.

With the exception of results obtained from the groundwater screening analyses CRQLs or reporting limits were low enough to compare the data with applicable project goals listed in the Final QAPP. However, the site-specific groundwater criteria used in the Technical Memorandum are not met for the compounds listed on Table G-6. These compounds are not considered as contaminants of concern for the site.

All soil sample data were consistently reported: organics in micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ), metals in milligrams per kilogram ( $\text{mg}/\text{kg}$ ), and all aqueous samples in  $\mu\text{g}/\text{L}$  or  $\text{mg}/\text{L}$ .

#### G.5.5 Data Completeness

Completeness of the field program is defined as the percentage of samples planned for collection as listed in the Final QAPP versus the actual samples collected during the field program. (See equation A).

Completeness for acceptable data is defined as the percentage of acceptable data obtained judged to be valid versus the total quantity of data generated. (See equation B.) Acceptable data includes both data which passes all the QC criteria (unqualified data) and data that may not pass all of the QC criteria but had appropriate corrective actions taken (qualified but usable data).

$$\text{A. } \% \text{ Completeness} = \frac{C}{n} \times 100$$

where,

C = actual number of samples collected

n = total number of samples planned

$$\text{B. } \% \text{ Completeness} = \frac{V}{n'} \times 100$$



where,

V= number of measurements judged valid

n' = total number of measurements made

The goal was to generate a complete data set for at least 90 percent of the samples planned to be collected and 90 percent valid data of the samples analyzed. One hundred percent of the planned data was collected along with the additional samples collected from MW-PD-12, -14, and -16. No field samples were lost due to shipping. Table G-5 summarizes the number of data points rejected during data validation. Rejected data represents less than one percent of all definitive data. By parameter, data rejected include, two percent of the TAL metals; 6 percent of the pesticide data collected for aquifer testing; and one percent of the VOC soil data. The soil VOC rejection impacted only one sample which had an internal standard QC failure. Eleven metal results were rejected by the data validator in sample PT-01-I and its duplicate due to exceedance of the field duplicate validation criteria. Non-detect 4,4-DDE and/or gamma-BHC results (Case 37381) were rejected in the aquifer testing samples due to poor recovery of calibration standards.

The DQO of 90 percent completeness for the sampling event was exceeded.

## **G.6 Project Assessments**

An office audit and a technical systems audit were conducted for the LAI RD. The office audit included a review of the quality procedures for planning to conduct field procedures, preparation and submittal of documents and measurement reports, and review of subcontract procurements. The office audit report indicated that the project staff met the quality requirements and procedures except for documentation for remedial design training for two staff members working on the project; missing documentary evidence of technical and quality review; and missing or extraneous documents in the project files. Prompt corrective action was taken to address these findings. Since the audit was performed early in the project schedule these issues did not impact work performance.

A field technical systems audit was performed on December 18, 2007 and an audit report prepared and dated December 21, 2007. This field audit covered piezometer drilling and the subsurface soil sample collection from a deep soil boring. The auditor noted that the staff was aware of the necessary QA requirements and QC protocols for the work being performed. Minor deviations from documented procedures were noted relating to field logbook documentation. These problems were immediately corrected by the field team. The auditor observed the field team adhering to the Final QAPP and FCRs for all other tasks and requirements.

The project team displayed continuous improvement in performing project tasks and evaluating the impact of field changes on project goals. This was evidenced by the FCRs discussed earlier in this report.

## **G.7 Assessment of Data Usability and Reconciliation with QAPP Goals**

The reporting limits generally meet the project quantitation limit goals except as noted on Tables G-2 and G-6.

The field and laboratory data reported are generally suitable for the remedial design objectives. Data of potentially unusable quality, that is rejected data, should not be used. Data of unusable quality have been rejected (0.45 percent) and are not considered usable for design purposes. Non-detect results for compounds whose reporting limits are higher than the site-specific groundwater criteria (Table G-6) may not be usable to ascertain if contaminant levels are above the criteria. The achievement of the completeness goal for usable data provides sufficient data to achieve the project objectives and to make decisions for the LAI Site.

**Data Qualifiers  
Lawrence Aviation Industries Superfund Site  
Port Jefferson Station, New York**

Qualifiers:

- B - Analyte is found in the associated blank and in the sample.
- D - Compound is identified at a secondary dilution factor.
- E - Compound concentration exceeds the calibration range of the instrument for that specific analysis.
- J - Estimated data due to exceeded quality control criteria.
- K - The reported value may be biased high
- L - The reported value may be biased low
- M - Duplicate injection precision not met.
- N - Sample recovery is not within control limits.
- R - Data is rejected due to exceeded quality control criteria.
- U - Compound was analyzed for but not detected. The associated numerical value is the sample quantitation limit.

## TABLES

Table G-1  
Sample Summary  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

8/13/2008

Sample Name	Sample Date	Alkalinity	Ammonia	Chloride	Fluoride	Grain Size	Hardness	Nitrite	Nitrate	Sulfate	TDS	TSS	TKN	TOC-Soil	TOC-W	Cyanide-W	Titanium	TAL Metals	% Solid	VOCs by 8260B	TCL-VOCs	Trace VOCs	VOCs-SIM	Comment - Duplicate Parent ID
Groundwater Samples - Round 1 - Case 37036																								
MPW-02-PD-B-R1	11/26/07			1												1					51	3		
MPW-02-PD-C-R1	11/26/07			1												1					51	3		
MPW-02-PD-C-R1-DUP	11/26/07			1												1					51	3		MPW-22-PD-C-R1
MPW-02-PD-D-R1	11/26/07			1												1					51	3		
MPW-01-PD-A-R1	11/27/07			1												1					51	3		
MPW-01-PD-B-R1	11/27/07			1												1					51	3		
MPW-01-PD-C-R1	11/27/07			1												1					51	3		
MPW-03-PD-B-R1	11/27/07			1												1					51	3		
MPW-03-PD-B-R1-DUP	11/27/07			1												1					51	3		MPW-33-PD-B-R1
MPW-04-PD-A-R1	11/27/07			1												1					51	3		
MPW-04-PD-B-R1	11/27/07			1												1					51	3		
MPW-04-PD-C-R1	11/27/07			1												1					51	3		
MPW-04-PD-D-R1	11/27/07			1												1					51	3		
MPW-04-PD-E-R1	11/27/07			1												1					51	3		
MPW-10-PD-A-R1	11/27/07			1												1					51	3		
MPW-10-PD-B-R1	11/27/07			1												1					51	3		
MPW-10-PD-C-R1	11/27/07			1												1					51	3		
MPW-10-PD-D-R1	11/27/07			1												1					51	3		
FG-01-PD-R1	11/28/07			1												1					51	3		
MPW-03-PD-A-R1	11/28/07			1												1					51	3		
MPW-03-PD-C-R1	11/28/07			1												1					51	3		
MPW-03-PD-D-R1	11/28/07			1												1					51	3		
MPW-05-PD-A-R1	11/28/07			1												1					51	3		
MPW-05-PD-B-R1	11/28/07			1												1					51	3		
MPW-08-PD-A-R1	11/28/07			1												1					51	3		
MPW-08-PD-B-R1	11/28/07			1												1					51	3		
MPW-08-PD-C-R1	11/28/07			1												1					51	3		
MPW-08-PD-D-R1	11/28/07			1												1					51	3		
MPW-08-PD-E-R1	11/28/07			1												1					51	3		
MW-05-PD-R1	11/28/07			1												1					51	3		
MPW-05-PD-C-R1	11/29/07			1												1					51	3		
MPW-05-PD-D-R1	11/29/07			1												1					51	3		
MPW-06-PD-A-R1	11/29/07			1												1					51	3		
MPW-06-PD-B-R1	11/29/07			1												1					51	3		
MPW-06-PD-C-R1	11/29/07			1												1					51	3		
MPW-06-PD-D-R1	11/29/07			1												1					51	3		
MPW-07-PD-C-R1	11/29/07			1												1					51	3		
MPW-07-PD-C-R1-DUP	11/29/07			1												1					51	3		MPW-77-PD-C-R1
MPW-09-PD-A-R1	11/29/07			1												1					51	3		
MPW-09-PD-B-R1	11/29/07			1												1					51	3		
MPW-09-PD-C-R1	11/29/07			1												1					51	3		
MPW-09-PD-D-R1	11/29/07			1												1					51	3		
MPW-09-PD-E-R1	11/29/07			1												1					51	3		
MPW-07-PD-A-R1	11/30/07			1												1					51	3		
Field QC Samples Associated with the Round 1 Groundwater Samples																								
FB-112807	11/28/07			1												1					51	3		
TB112807	11/26/07																				51	3		
TB112807	11/28/07																				51	3		
TB112907	11/29/07																				51	3		
TB113007	11/30/07																				51	3		
Reanalysis of MPW02 and MPW-07 - Case 37120																								
MPW-07-PD-B-R1	1/4/08			1												1					51	2		
MPW-02-PD-A-R1	1/4/08			1												1					51	2		
TB010408	1/4/08																				51	2		
Source Area Soil Sampling Event - Case 37073																								
SBD-PD-19-A	12/5/07												1					1			52			
SBD-PD-19-A-DUP	12/5/07												1					1			52			SBD-PD-91-A
SBD-PD-19-B	12/5/07												1					1			52			
SBD-PD-19-C	12/5/07												1					1			52			
SBD-PD-19-D	12/5/07												1					1			52			
SBD-PD-19-E	12/5/07												1					1			52			
SBD-PD-19-F	12/5/07												1					1			52			
SBD-PD-19-G	12/5/07												1					1			52			
SBD-PD-19-H	12/5/07																				52			
SBD-PD-19-I	12/5/07												1					1			52			
SBD-PD-19-J	12/5/07												1					1			52			
SBD-PD-19-K	12/6/07																	1			52			
SBD-PD-19-L	12/6/07				10											1		1			52			
SBD-PD-19-M	12/6/07				10											1		1			52			
SBD-PD-19-N	12/6/07															1					52			
SBD-PD-19-P	12/7/07				10											1		1			52			
SBD-PD-19-Q	12/7/07				10											1		1			52			
SBD-PD-19-R	12/7/07				10											1		1			52			
SBD-PD-19-S	12/7/07				10											1		1			52			
SBD-PD-19-T	12/7/07				10											1		1			52			
SBD-PD-19-GW-A	12/10/07																				51			
SBD-PD-19-GW-B	12/11/07																				51			
SBD-PD-19-U	12/11/07				8									1				1			52			
SBD-PD-19-V	12/11/07				9									1				1			52			
SBD-PD-19-W	12/11/07				7									1				1			52			
SBD-PD-19-X	12/11/07				8									1				1			52			
SBD-PD-19-Y	12/11/07				10									1				1			52			
SBD-PD-19-Z	12/11/07				7									1				1			52			



Table G-1  
Sample Summary  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

6/13/2008

Sample Name	Sample Date	Alkalinity	Ammonia	Chloride	Fluoride	Grain Size	Hardness	Nitrite	Nitrate	Sulfate	TDS	TSS	TKN	TOC-Soil	TOC-W	Cyanide-W	Titanium	TAL Metals	% Solid	VOCs by 8280B	TCL-VOCs	Trace VOCs	VOCs-SIM	Comment - Duplicate Parent ID
SBD-PD-18-A	12/17/07				0								1					1		52				
SBD-PD-18-B	12/17/07				0								1					1		52				
SBD-PD-18-C	12/17/07				0								1					1		52				
SBD-PD-18-D	12/17/07				0								1					1		52				
SBD-PD-18-D-DUP	12/17/07				0								1					1		52				SBD-PD-81-D
SBD-PD-18-E	12/17/07				0								1					1		52				
SBD-PD-18-F	12/18/07				0								1					1		52				
SBD-PD-18-G	12/18/07				0								1					1		52				
SBD-PD-18-I	12/18/07				0								1					1		52				
SBD-PD-18-GW-A	12/19/07																				51			
SBD-PD-18-J	12/19/07				0								1					1		52				
SBD-PD-18-K	12/19/07				0								1					1		52				
SBD-PD-18-L	12/19/07				0								1					1		52				
SBD-PD-18-M	12/19/07				0								1					1		52				
SBD-PD-18-N	12/19/07				0								1					1		52				
SBD-PD-18-O	12/19/07				0								1					1		52				
SBD-PD-18-P	12/19/07				0								1					1		52				
SBD-PD-18-Q	12/19/07				0								1					1		52				
SBD-PD-18-R	12/19/07				0								1					1		52				
SBD-PD-18-S	12/19/07				0								1					1		52				
SBD-PD-18-T	12/19/07				0								1					1		52				
SBD-PD-18-GW-B	12/20/07																				51			
SBD-PD-18-U	12/20/07				0								1					1		52				
SBD-PD-18-V	12/21/07				0								1					1		52				
SBD-PD-18-W	12/21/07				0								1					1		52				
SBD-PD-18-X	12/21/07				0								1					1		52				
SBD-PD-18-Y	12/21/07				0								1					1		52				
SBD-PD-18-Z	12/21/07				0								1					1		52				
SBD-PD-16-A	12/27/07				10								1					1		52				
SBD-PD-16-B	12/27/07				10								1					1		52				
SBD-PD-16-B-DUP	12/27/07				10								1					1		52				SBD-PD-81-B
SBD-PD-16-C	12/27/07				10								1					1		52				
SBD-PD-16-D	12/27/07				10								1					1		52				
SBD-PD-16-E	12/27/07				10								1					1		52				
SBD-PD-16-F	12/27/07				10								1					1		52				
SBD-PD-16-G	12/27/07				10								1					1		52				
SBD-PD-16-H	12/28/07				10								1					1		52				
SBD-PD-16-I	12/28/07				10								1					1		52				
SBD-PD-16-J	12/28/07				10								1					1		52				
SBD-PD-16-K	12/28/07				10								1					1		52				
SBD-PD-16-L	12/28/07				10								1					1		52				
SBD-PD-16-M	12/28/07				10								1					1		52				
SBD-PD-16-GW-A	1/2/08																				51			
SBD-PD-16-N	1/2/08				9								1					1		52				
SBD-PD-16-O	1/2/08				10								1					1		52				
SBD-PD-16-P	1/2/08												1					0		52				
SBD-PD-16-P-DUP	1/2/08												1					0		52				SBD-PD-81-P
SBD-PD-16-Q	1/2/08												1					0		52				
SBD-PD-16-R	1/2/08				10								1					0		52				
SBD-PD-16-S	1/2/08				9								1					0		52				
SBD-PD-16-T	1/2/08				9								1					1		52				
SBD-PD-16-U	1/2/08				10								1					1		52				
SBD-PD-16-GW-B	1/3/08																				51			
SBD-PD-16-V	1/3/08				9								1					1		52				
SBD-PD-16-W	1/3/08				8								1					1		52				
SBD-PD-16-X	1/3/08				8								1					1		52				
SBD-PD-16-Y	1/3/08				8								1					1		52				
SBD-PD-16-Z	1/3/08				7								1					1		52				
SBD-PD-17-A	1/7/08				10								1					1		52				
SBD-PD-17-B	1/7/08				10								1					1		52				
SBD-PD-17-C	1/7/08				10								1					1		52				
SBD-PD-17-C-DUP	1/7/08				10								1					1		52				SBD-PD-71-C
SBD-PD-17-D	1/7/08				10								1					1		52				
SBD-PD-17-E	1/7/08				10								1					1		52				
SBD-PD-17-F	1/7/08				10								1					1		52				
SBD-PD-17-G	1/7/08				10								1					1		52				
SBD-PD-17-H	1/7/08				10								1					1		52				
SBD-PD-17-I	1/7/08				10								1					1		52				
SBD-PD-17-J	1/7/08				10								1					1		52				
SBD-PD-17-GW-A	1/8/08																				51			
SBD-PD-17-K	1/8/08				10								1					1		52				
SBD-PD-17-L	1/8/08				10								1					1		52				
SBD-PD-17-M	1/8/08				10								1					1		52				
SBD-PD-17-N	1/8/08				10								1					1		52				
SBD-PD-17-O	1/8/08				10								1					1		52				
SBD-PD-17-P	1/8/08				10								1					1		52				
SBD-PD-17-Q	1/8/08				10								1					1		52				
SBD-PD-17-R	1/8/08				10								1					1		52				
SBD-PD-17-S	1/8/08				9								1					1		52				
SBD-PD-17-T	1/8/08				8								1					1		52				
SBD-PD-17-GW-B	1/9/08																				51			
SBD-PD-17-U	1/9/08				9								1					1		52				
SBD-PD-17-V	1/9/08				9								1					1		52				
SBD-PD-17-W	1/9/08				10								1					1		52				
SBD-PD-17-X	1/9/08				9								1					1		52				
SBD-PD-17-X-DUP	1/9/08				0								1					0		52				SBD-PD-71-X
SBD-PD-17-Y	1/9/08				8								1					1		52				
SBD-PD-17-Z	1/9/08				8								1					1		52				

Table G-1  
Sample Summary  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

6/15/2008

Sample Name	Sample Date	Alkalinity	Ammonia	Chloride	Fluoride	Grain Size	Hardness	Nitrite	Nitrate	Sulfate	TDS	TSS	TKN	TOC-Soil	TOC-W	Cyanide-W	Titanium	TAL Metals	% Solid	VOCs by 8260B	TCL-VOCs	Trace VOCs	VOCs-SIM	Comment - Duplicate Parent ID
Field QC Samples Associated with the Source Area Soil and Groundwater Screening Samples Collected from the bottom of the Borings																								
FB-120507	12/5/07																			51				
FB-120607	12/6/07																			51				
FB-120707	12/7/07																			51				
FB-121007	12/10/07																			51				
FB-121107	12/11/07																			51				
FB-121707	12/17/07																			51				
FB-121807	12/18/07																			51				
FB-121907	12/19/07																			51				
FB-122007	12/20/07																			51				
FB-122107	12/21/07																			51				
FB-122707	12/27/07																			51				
FB-122807	12/28/07																			51				
FB-010208	1/2/08																			51				
FB-010308	1/3/08																			51				
FB-010808	1/8/08																			51				
FB-010908	1/9/08																			51				
TB-121007	12/10/07																			51				
TB-121107	12/11/07																			51				
TB-121907	12/19/07																			51				
TB-122007	12/20/07																			51				
TB-010208	1/2/08																			51				
TB-010308	1/3/08																			51				
TB-010808	1/8/08																			51				
TB-010908	1/9/08																			51				
Groundwater Screening Samples - EPA On Site Mobile Laboratory																								
MW-PD-11-GW-A	1/16/08																		48					
MW-PD-11-GW-B	1/16/08																		48					
MW-PD-11-GW-C	1/16/08																		48					
MW-PD-12-GW-A	1/24/08																		48					
MW-PD-12-GW-B	1/31/08																		48					
MW-PD-12-GW-C	2/5/08																		48					
MW-PD-12-GW-AA	2/6/08																		48					
MW-PD-12-GW-AA-A	2/6/08																		48					
MW-PD-12-GW-AA-DUP	2/6/08																		48					MW-PD-21-GW-AA
MW-PD-17-GW-A	2/12/08																		48					
MW-PD-17-GW-B	2/13/08																		48					
MW-PD-17-GW-C	2/13/08																		48					
BMR-01	2/25/08																		48					
MW-PD-16-GW-A	2/25/08																		48					
MW-PD-16-GW-B	2/25/08																		48					
MW-PD-16-GW-C	2/25/08																		48					
MW-PD-16-GW-D	2/28/08																		48					
MW-PD-16-GW-D-DUP	2/28/08																		48					MW-PD-61-GW-D
MPW-02-PORT1	3/6/08																		48					
MW-PD-16-GW-E	3/6/08																		48					
MW-PD-16-GW-F	3/6/08																		48					
MPW-02-PORT2	3/11/08																		48					
MPW-02-PORT3	3/11/08																		48					
MPW-02-PORT4	3/11/08																		48					
MW-PD-14-GW-A	4/9/08																		48					
MW-PD-14-GW-A-DUP	4/9/08																		48					MW-PD-41-GW-A
MW-PD-14-GW-B	4/10/08																		48					
MW-PD-14-GW-C	4/22/08																		48					
MW-PD-14-GW-D	4/22/08																		48					
MW-PD-15-GW-A	5/6/08																		48					
MW-PD-15-GW-B	5/6/08																		48					
MW-PD-15-GW-C	5/6/08																		48					
MW-PD-13-GW-A	5/19/08																		48					
MW-PD-13-GW-B	5/19/08																		48					
MW-PD-13-GW-C	5/19/08																		48					
Field QC Samples Associated with the Groundwater Screening Samples																								
FB-011608	1/16/08																		48					
FB-012408	1/24/08																		48					
TB-012408	1/24/08																		48					
FB-013108	1/31/08																		48					
TB-013108	1/31/08																		48					
TB-020508	2/5/08																		48					
TB-020608	2/6/08																		48					
FB-021208	2/12/08																		48					
TB-021208	2/12/08																		48					
FB-022108	2/21/08																		48	</				

Table G-1  
Sample Summary  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

8/13/2008

Sample Name	Sample Date	Alkalinity	Ammonia	Chloride	Fluoride	Grain Size	Hardness	Nitrite	Nitrate	Sulfate	TDS	TSS	TKN	TOC-Soil	TOC-W	Cyanide-W	Titanium	TAL Metals	% Solid	VOCs by 8260B	TCL-VOCs	Trace VOCs	VOCs-SIM	Comment - Duplicate Parent ID
Test Wells for Aquifer Testing																								
TW-01 (184-186)	3/21/08				0													1						
TW-01 (190-192)	3/21/08				0													1						
TW-01 (196-198)	3/21/08				0													1						
TW-01 (202-204)	3/24/08				0													1						
TW-01 (206-208)	3/24/08				0													1						
TW-01 (212-214)	3/24/08				0													1						
TW-01 (214-216)	3/24/08				0													1						
TW-01 (218-220)	3/24/08				0													1						
TW-01 (220-222)	3/24/08				0													1						
TW-01 (224-226)	3/25/08				0													1						
TW-01 (232-234)	3/25/08				0													1						
TW-01 (236-238)	3/25/08				0													1						
Aquifer Testing Sampling Event - Case 37381																								
TW-01-DEV	4/16/08	1	1	1		1	1	1	1	1	1	1	1	1	1	1	23				51			Also analyzed for P/P & SVOC
Phalen-res-01	4/17/08														1		23				51			Also analyzed for P/P & SVOC
Phalen-res-02	4/17/08																				51			
PT01-I	4/29/08	1	1	1		1	1	1	1	1	1	1	1	1	1	1	23				51			Also analyzed for P/P & SVOC
PT01-I(filter 20 mc)	4/29/08	1				1			1								22							PT01-I (filtered 20 micron)
PT01-I(filter 45 mc)	4/29/08	1				1			1								22							PT01-I (filtered 45 micron)
PT01-I-DUP	4/29/08	1	1	1		1	1	1	1	1	1	1	1	1	1	1	23				51			PT10-I
PT02-I	4/29/08	1	1	1		1	1	1	1	1	1	1	1	1	1	1	23				51			Also analyzed for P/P & SVOC
PT02-I(filter 20 mc)	4/29/08	1				1			1								22							PT02-I (filtered 20 micron)
PT02-I(filter 45 mc)	4/29/08	1				1			1								22							PT02-I (filtered 45 micron)
PT03-I	4/30/08	1	1	1		1	1	1	1	1	1	1	1	1	1	1	23				51			Also analyzed for P/P & SVOC
PT03-I(filter 20 mc)	4/30/08	1				1			1								22							PT03-I (filtered 20 micron)
PT03-I(filter 45 mc)	4/30/08	1				1			1								22							PT03-I (filtered 45 micron)
PT04-I	4/30/08	1	1	1		1	1	1	1	1	1	1	1	1	1	1	23				51			Also analyzed for P/P & SVOC
PT04-I(filter 20 mc)	4/30/08	1				1			1								22							PT04-I (filtered 20 micron)
PT04-I(filter 45 mc)	4/30/08	1				1			1								22							PT04-I (filtered 45 micron)
PT05-I	5/1/08	1	1	1		1	1	1	1	1	1	1	1	1	1	1	23				51			Also analyzed for P/P & SVOC
PT05-I(filter 20 mc)	5/1/08	1				1			1								22							PT05-I (filtered 20 micron)
PT05-I(filter 45 mc)	5/1/08	1				1			1								23							PT05-I (filtered 45 micron)
ST01-I	4/24/08	1	1	1		1	1	1	1	1	1	1	1	1	1	1	23				51			Also analyzed for P/P & SVOC
ST01-I(filter 20 mc)	4/24/08	1				1			1								22							ST01-I (filtered 20 micron)
ST01-I(filter 45 mc)	4/24/08	1				1			1								22							ST01-I (filtered 45 micron)
ST02-I	4/24/08	1	1	1		1	1	1	1	1	1	1	1	1	1	1	23				51			Also analyzed for P/P & SVOC
ST02-I(filter 20 mc)	4/24/08	1				1			1								22							ST02-I (filtered 20 micron)
ST02-I(filter 45 mc)	4/24/08	1				1			1								22							ST02-I (filtered 45 micron)
ST03-I	4/24/08	1	1	1		1	1	1	1	1	1	1	1	1	1	1	23				51			Also analyzed for P/P & SVOC
ST03-I(filter 20 mc)	4/24/08	1				1			1								22							ST03-I (filtered 20 micron)
ST03-I(filter 45 mc)	4/24/08	1				1			1								22							ST03-I (filtered 45 micron)
Field QC Samples Associated with the Aquifer Testing Samples																								
FB-042408	4/24/08														1		23				51			
TB-041608	4/16/08																							51
TB-041708	4/17/08																							51
TB-042408	4/24/08																							51
TB-042908	4/29/08																							51
TB-043008	4/30/08																							51
TB-050108	5/1/08																							51
Groundwater Sampling - Round 2 - Case 37495																								
MPW-01-PD-A-R2	5/19/08				1												1							51
MPW-01-PD-A-R2-DUP	5/19/08				1												1							51
MPW-01-PD-B-R2	5/19/08				1												1							51
MPW-01-PD-C-R2	5/19/08				1												1							51
MPW-03-PD-A-R2	5/20/08				1												1							51
MPW-03-PD-B-R2	5/20/08				1												1							51
MPW-03-PD-C-R2	5/20/08				1												1							51
MPW-03-PD-D-R2	5/20/08				1												1							51
MPW-04-PD-A-R2	5/21/08				1												1							51
MPW-04-PD-B-R2	5/21/08				1												1							51
MPW-04-PD-C-R2	5/21/08				1												1							51
MPW-04-PD-D-R2	5/21/08				1												1							51
MPW-04-PD-E-R2	5/21/08				1												1							51
MPW-05-PD-A-R2	5/21/08																							



Table G-1  
Sample Summary  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

6/15/2008

Sample Name	Sample Date	Alkalinity	Ammonia	Chloride	Fluoride	Grain Size	Hardness	Nitrite	Nitrate	Sulfate	TDS	TSS	TKN	TOC-Soil	TOC-W	Cyanide-W	Titanium	TAL Metals	% Solid	VOCs by 8260B	TCL-VOCs	Trace VOCs	VOCs-SIM	Comment - Duplicate Parent ID	
MPW-07-PD-B-R2	6/2/08			1												1					51				
MW-05-PD-R2	6/2/08			1												1					51				
MW-PD-11-PD-R2	6/2/08			1												1					51				
MW-PD-12-PD-R2	6/2/08			1												1					51				
MW-PD-12-PD-R2:DUP	6/2/08			1												1					51			MW-PD-21-PD-R2	
FG-01-PD-R2	6/3/08			1												1					51				
MPW-07-PD-C-R2	6/3/08			NA												NA					51			Insufficient mass was recovered to perform fluoride and titanium analysis.	
MW-PD-13-PD-R2	6/3/08			1												1					51				
MW-PD-14-PD-R2	6/3/08			1												1					51				
MW-PD-15-PD-R2	6/3/08			1												1					51				
MW-PD-15-PD-R2:DUP	6/3/08			1												1					51			MW-PD-51-PD-R2	
Field QC Samples Associated with the Round 2 Groundwater Samples																									
FB-052908	5/29/08			1												1					51				
FB-060208	6/2/08			1												1					51				
FB-060308	6/3/08			1												1					51				
TB-051908	5/19/08																				51				
TB-052008	5/20/08																				51				
TB-052208	5/22/08																				51				
TB-052708	5/27/08																				51				
TB-052808	5/28/08																				51				
TB-052908	5/29/08																				51				
TB-060208	6/2/08																				51				
TB-060308	6/3/08																				51				
Total Data Points		26	10	10	101	625	26	10	10	26	10	10	10	107	10	12	101	629	112	2976	5616	8466	153		
Samples Analyzed		26	10	10	101	68	26	10	10	26	10	10	10	107	10	12	101	28	112	62	108	166	51		

Notes and Abbreviations:

- Sample results receipt pending - not yet uploaded to the Equis database. Data quality of these results were not assessed.

GW = Groundwater

MPW = Multipoint well

MW = Monitoring Well

PT = Pump Test

SBD = Soil boring

ST = Stress Test

TW = Test Well

FB = Field blank

TB = Trip blank

S = soil

WB = Water blank

W = water

% = percent

mc = micron

ID = Identification

NA = not analyzed

SIM = simultaneous ion monitoring

TAL = total analyte list

TCL = target compound list

VOC = volatile organic compound

TDS = Total dissolved solids

TKN = total Kjeldahl nitrogen

TOC = total organic carbon

TSS = Total suspended solids

P/P = Pesticides & PCBs

Table G-2  
Laboratories, Methods Used and Sensitivities Achieved  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

Parameter	Matrix	Planned Method/ SOW	Actual Method/ SOP# Used	Laboratory Used	Requested Sensitivity	Sensitivity Achieved <sup>1</sup>
Alkalinity	Aqueous	310.1	EPA SOP C-18/ SM2320B	DESA	NA	1 mg/L
Ammonia	Aqueous	350.1/02	C-80/EPA 350.1	DESA	0.2 mg/L	0.05 mg/L
Chloride	Aqueous	325.1 or 300	EPA SOP C-94	DESA	1 mg/L	0.1 mg/L
Fluoride	Aqueous	340.1/2 or 300	C-94 (Ion chromatography) & 340.2	DESA & Katahdin	4/0.8 mg/L	DL not reported; lowest sample concentration was 0.073 mg/L and field blanks was 0.069 mg/L.
Grain size	Soil	ASTM D421-85/D422-63	Laboratory SOP	Katahdin lower tiered	None	NA
Hardness	Aqueous	130.1/2 or ILM05.4/ 200.7 by calculation	SM 2340B	DESA	1 mg/L	1 mg/L
Nitrate	Aqueous	352.1 or 300	EPA SOP C-78/353.2	DESA	0.1 mg/L	0.1 mg/L
Nitrite	Aqueous	354.1 or 300	EPA SOP C-79/353.2	DESA	0.1 mg/L	0.05 mg/L
Sulfate	Aqueous	375.3, 375.4 or 300	C-94/EPA 300	DESA	5 mg/L	0.5 mg/L
Residue, Filterable	Aqueous	160.1	C-37 SM2540C	DESA	10 mg/L	10 mg/L
Residue, Non-Filterable	Aqueous	160.2	C-33 SM2540D	DESA	4 mg/L	4 mg/L
TOC	Aqueous	415.2 or 415.1	C-83 (Combustion/IR method)	DESA	1 mg/L	1 mg/L
TOC	Soil	Lloyd Kahn	(Combustion/IR method) & Lloyd Kahn	DESA & Katahdin lower tiered	None	DL not reported; lowest detection was 120 mg/kg
Titanium	Aqueous	Added in field	200.7/ILM05.4	DESA & CLP	None	10 µg/L
Metals	Aqueous	ILM05.4	EPA SOP C-109	CLP Laboratories	Varies ICP-AES and MS**	Met requirement
Nitrogen, Tot. Kjeldahl	Aqueous	351.2/4	C-40/EPA 351.2/3	DESA	0.1 mg/L	0.1 mg/L
VOC	Soil	SOM01.2 - Low	SOM01.2	CLP Laboratories	5 - 40,000 µg/kg (see QAPP Worksheet #15f)	5 µg/kg - varies with soil moisture level. Met requirement
VOC-screening data	Aqueous	SOM01.2 - Trace	OLM04.3	DESA Mobile Lab	0.5 µg/L	5 µg/L - okay for screening
VOC	Aqueous	SOM01.2 - Trace	SOM01.2	CLP Laboratories	0.5 µg/L	0.5 µg/L
SVOC	Aqueous	SOM01.2	SOM01.2	CLP-Mitkem	Varies	Met requirement
Pest/PCBs	Aqueous	SOM01.2	SOM01.2	CLP-Mitkem	Varies	Met requirement

**Notes & Abbreviations:**

1. Some VOC compounds did not achieve the 0.5 µg/L limit. These are listed on Table 6.

The SOPs listed above are the laboratory specific SOP references utilized by the EPA DESA laboratory. These SOPs are laboratory specific procedures to implement the requested analytical procedures and are not necessarily QAPP deviations. The method deviations are for alkalinity, hardness, nitrate, nitrite and filterable and non-filterable residue. The nitrate, nitrite and hardness deviations are acceptable. The other methods (310, 130, and 160) are derived from and based on Standard Methods (SM) procedures, so the project needs/requirements of the QAPP methods have therefore been met or exceeded except as noted in the data usability report or data validation reports. Metals were not collected for the groundwater samples. Metals were collected for the aquifer test for which ICP\_AES limits were requested and obtained.

CLP - contract laboratory program

DESA - Division of Science and Assessment

EPA - Environmental Protection Agency

ICP/AES - inductively coupled plasma/atomic emission spectrometry

MS - mass spectrophotometer

PCBs - polychlorinated biphenyls

kg - kilogram

mg/L - milligram per liter

NA - not applicable

SOP - standard operating procedure

TOC - total organic carbon

VOC - volatile organic compound

DL - detection limit

µg/L - microgram per liter

Tot. - total

IR - infra-red

SVOC - semivolatile organic compound

µg/L - microgram per liter

Table G-3a - Field Duplicate Comparison  
Groundwater Samples - Round 1  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

Sample Code Sample Name Sample Date	MPW-02-PD-C-R1 11/26/2007	MPW-02-PD-C-R1-DUP MPW-22-PD-C-R1 11/26/2007	RPD	ABS	MPW-03-PD-B-R1 11/27/2007	MPW-03-PD-B-R1-DUP MPW-33-PD-B-R1 11/27/2007	RPD	ABS	MPW-07-PD-C-R1 11/29/2007	MPW-07-PD-C-R1-DUP MPW-77-PD-C-R1 11/29/2007	RPD	ABS
<b>Volatile Organic Compounds - Trace</b>												
Dichlorodifluoromethane	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Chloromethane	µg/L 0.5 U	0.35 J	NA	0.15	0.21 J	0.57	92.3	-0.36	0.5 U	0.5 U	NC	
Vinyl Chloride	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Bromomethane	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Chloroethane	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Trichlorofluoromethane	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,1-Dichloroethene	µg/L 0.41 J	0.32 J	24.7	0.09	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Acetone	µg/L 5 U	5 U	NC		5 U	5 U	NC		5 U	5 U	NC	
Carbon Disulfide	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Methyl Acetate	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Methylene Chloride	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
trans-1,2-Dichloroethene	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Methyl tert-Butyl Ether	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,1-Dichloroethane	µg/L 1.5	1.5	0.0	NA	0.5 U	0.5 U	NC		0.52	0.52	0.0	
cis-1,2-Dichloroethene	µg/L 0.38 J	0.41 J	7.6	-0.03	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
2-Butanone	µg/L 5 U	5 U	NC		5 U	5 U	NC		5 U	5 U	NC	
Chlorobromomethane	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Chloroform	µg/L 0.73	0.7	4.2	NA	0.5 U	0.5 U	NC		0.86	0.84	2.4	
1,1,1-Trichloroethane	µg/L 0.97	1	3.0	NA	0.5 U	0.5 U	NC		0.49 J	0.44 J	10.8	0.05
Cyclohexane	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Carbon Tetrachloride	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Benzene	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,2-Dichloroethane*	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Trichloroethene	µg/L 3.2	3.1	3.2	NA	1.7	2.2	25.6		0.59	0.53	10.7	
Methylcyclohexane	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,2-Dichloropropane	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Bromodichloromethane	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
cis-1,3-Dichloropropene	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
4-Methyl-2-pentanone	µg/L 5 U	5 U	NC		5 U	5 U	NC		5 U	5 U	NC	
Toluene	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
trans-1,3-Dichloropropene	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,1,2-Trichloroethane	µg/L 0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Tetrachloroethene	µg/L 0.33 J	0.32 J	3.1	0.01	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
2-Hexanone	µg/L 5 U	5 U	NC		5 U	5 U	NC		5 U	5 U	NC	

Table G-3a - Field Duplicate Comparison  
Groundwater Samples - Round 1  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

Sample Code Sample Name Sample Date	MPW-02-PD-C-R1 11/26/2007	MPW-02-PD-C-R1-DUP MPW-22-PD-C-R1 11/26/2007	RPD	ABS	MPW-03-PD-B-R1 11/27/2007	MPW-03-PD-B-R1-DUP MPW-33-PD-B-R1 11/27/2007	RPD	ABS	MPW-07-PD-C-R1 11/29/2007	MPW-07-PD-C-R1-DUP MPW-77-PD-C-R1 11/29/2007	RPD	ABS
<b>Volatile Organic Compounds - Trace</b>												
Dibromochloromethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
1,2-Dibromoethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
Chlorobenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
Ethylbenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
m,p-Xylene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
Styrene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
Bromoform	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
Isopropylbenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
1,1,2,2-Tetrachloroethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
1,3-Dichlorobenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
1,4-Dichlorobenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
1,2-Dibromo-3-chloropropane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
1,2,3-Trichlorobenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC		0.5 U	0.5 U	NC
<b>VOC - SIM Analyses</b>												
1,2-Dibromo-3-chloropropane	µg/L	0.04 U	0.04 U	NC		0.04 U	0.04 U	NC		0.04 U	0.04 U	NC
1,2-Dichloroethane	µg/L	0.05 U	0.05 U	NC		0.05 U	0.05 U	NC		0.05 U	0.05 U	NC
trans-1,3-Dichloropropene	µg/L	0.05 U	0.05 U	NC		0.05 U	0.05 U	NC		0.05 U	0.05 U	NC
<b>Inorganics</b>												
Fluoride	mg/l	10	10	0.0	NA	0.17	0.24	34.1	-0.07	20	20	0.0
Titanium Metal Powder	µg/L	10 U	10 U	NC		10 U	10 U	NC		10 U	10 U	NC

**Notes and Abbreviation:**

RPD is calculated for all detected results.

ABS is calculated for results failing the RPD and where one result is detected and one is non-detect or results fall below the CRQL.

RPD values above 50% are bolded if both sample and duplicate are detected. ABS values above Detection Limits are in italics if either the sample or duplicate is detected.

Blank cells reflect non-detect value

ABS = absolute difference

RPD = relative percent difference

CRQL = contract required detection limit

mg = milligram; µg = microgram; L = liter

NA = Not available or not applicable

NC = Not calculable

Table G-3b - Field Duplicate Comparison  
Groundwater Samples - Round 2  
Trace Volatiles, Fluoride, and Titanium  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

8/13/2008

Sample Code Sample Name Sample Date	Units	MPW-01-PD-A-R2 5/19/2008	MPW-01-PD-A-R2-DUP MPW-11-PD-A-R2 5/19/2008	RPD	ABS	MW-PD-15-PD-R2 6/3/2008	MW-PD-15-PD-R2-DUP MW-PD-51-PD-R2 6/3/2008	RPD	ABS
<b>Volatile Organic Compounds - Trace</b>									
Dichlorodifluoromethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Chloromethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.11 J	NA	0.39
Vinyl Chloride	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Bromomethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Chloroethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Trichlorofluoromethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Acetone	µg/L	5 U	5 U	NC		5 U	5 U	NC	
Carbon Disulfide	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Methyl Acetate	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Methylene Chloride	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
trans-1,2-Dichloroethene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Methyl tert-Butyl Ether	µg/L	2.6	2.7	3.8	NA	0.5 U	0.5 U	NC	
1,1-Dichloroethane	µg/L	0.5 U	0.5 U	NC		1.9	1.9	0.0	
cis-1,2-Dichloroethene	µg/L	0.5 U	0.5 U	NC		0.94	0.95	1.1	NA
2-Butanone	µg/L	5 U	1.2 J	NA	3.8	5 U	5 U	NC	
Chlorobromomethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Chloroform	µg/L	0.5 U	0.5 U	NC		0.5 U	0.52 U	NC	
1,1,1-Trichloroethane	µg/L	0.11 J	0.5 U	NA	-0.39	1.5	1.4	6.9	NA
Cyclohexane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Carbon Tetrachloride	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Benzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Trichloroethene	µg/L	0.5 U	0.5 U	NC		35	35	0.0	NA
Methylcyclohexane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Bromodichloromethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
cis-1,3-Dichloropropene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
4-Methyl-2-pentanone	µg/L	5 U	5 U	NC		5 U	5 U	NC	
Toluene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
trans-1,3-Dichloropropene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,1,2-Trichloroethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Tetrachloroethene	µg/L	0.5 UJ	0.5 UJ	NC		1.9	1.8	5.4	NA
2-Hexanone	µg/L	5 U	5 U	NC		5 U	5 U	NC	

Table G-3b - Field Duplicate Comparison  
Groundwater Samples - Round 2  
Trace Volatiles, Fluoride, and Titanium  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

Sample Code Sample Name Sample Date	Units	MPW-01-PD-A-R2 5/19/2008	MPW-01-PD-A-R2-DUP MPW-11-PD-A-R2 5/19/2008	RPD	ABS	MW-PD-15-PD-R2 6/3/2008	MW-PD-15-PD-R2-DUP MW-PD-51-PD-R2 6/3/2008	RPD	ABS
<b>Volatile Organic Compounds - Trace</b>									
Dibromochloromethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,2-Dibromoethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Chlorobenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Ethylbenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
o-Xylene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
m,p-Xylene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Styrene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Bromoform	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
Isopropylbenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,1,2,2-Tetrachloroethane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,3-Dichlorobenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,4-Dichlorobenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,2-Dibromo-3-chloropropane	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
1,2,3-Trichlorobenzene	µg/L	0.5 U	0.5 U	NC		0.5 U	0.5 U	NC	
<b>Inorganics</b>									
Titanium Metal Powder	µg/L	10 U	10 U	NC		10 U	10 U	NC	
Fluoride	mg/L	0.072 J	0.088 J	20	-0.02	0.08 J	0.12 J	40	0.0

**Notes and Abbreviation:**

RPD is calculated for all detected results.

ABS is calculated for results failing the RPD and where one result is detected and one is non-detect or results fall below the CRQL.

RPD values above 50% are bolded if both sample and duplicate are detected. ABS values above Detection Limits are in italics if either the sample or duplicate is detected.

Blank cells reflect non-detect value

ABS = absolute difference

RPD = relative percent difference

CRQL = contract required detection limit

mg = milligram; µg = microgram; L = liter

NA = Not available or not applicable

NC = Not calculable

Table G-3b - Field Duplicate Comparison  
Groundwater Samples - Round 2  
Trace Volatiles, Fluoride, and Titanium  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

Sample Code Sample Name Sample Date	Units	MW-PD-12-PD-R2 6/2/2008	MW-PD-12-PD-R2-DUP MW-PD-21-PD-R2 6/2/2008	RPD	ABS
<b>Volatile Organic Compounds - Trace</b>					
Dichlorodifluoromethane	µg/L	0.5 U	0.5 U	NC	
Chloromethane	µg/L	0.5 U	0.5 U	NC	
Vinyl Chloride	µg/L	0.5 U	0.5 U	NC	
Bromomethane	µg/L	0.5 U	0.5 U	NC	
Chloroethane	µg/L	0.5 U	0.5 U	NC	
Trichlorofluoromethane	µg/L	0.5 U	0.5 U	NC	
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	NC	
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	0.5 U	0.5 U	NC	
Acetone	µg/L	5 U	5 U	NC	
Carbon Disulfide	µg/L	0.5 U	0.5 U	NC	
Methyl Acetate	µg/L	0.5 U	0.5 U	NC	
Methylene Chloride	µg/L	0.5 U	0.5 U	NC	
trans-1,2-Dichloroethene	µg/L	0.5 U	0.5 U	NC	
Methyl tert-Butyl Ether	µg/L	1.6	1.7	6.1	
1,1-Dichloroethane	µg/L	0.1 J	0.5 U	133.3	-0.40
cis-1,2-Dichloroethene	µg/L	1.1	1	9.5	NA
2-Butanone	µg/L	5 U	5 U	NC	
Chlorobromomethane	µg/L	0.5 U	0.5 U	NC	
Chloroform	µg/L	0.5 U	0.5 U	NC	
1,1,1-Trichloroethane	µg/L	0.11 J	0.12 J	8.7	0.0
Cyclohexane	µg/L	0.5 U	0.5 U	NC	
Carbon Tetrachloride	µg/L	0.5 U	0.5 U	NC	
Benzene	µg/L	0.5 U	0.5 U	NC	
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	NC	
Trichloroethene	µg/L	210	240	13.3	NA
Methylcyclohexane	µg/L	0.5 U	0.5 U	NC	
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	NC	
Bromodichloromethane	µg/L	0.5 U	0.5 U	NC	
cis-1,3-Dichloropropene	µg/L	0.5 U	0.5 U	NC	
4-Methyl-2-pentanone	µg/L	5 U	5 U	NC	
Toluene	µg/L	0.5 U	0.5 U	NC	
trans-1,3-Dichloropropene	µg/L	0.5 U	0.5 U	NC	
1,1,2-Trichloroethane	µg/L	0.5 U	0.5 U	NC	
Tetrachloroethene	µg/L	4.1	3.9	5.0	NA
2-Hexanone	µg/L	5 U	5 U	NC	

Table G-3b - Field Duplicate Comparison  
Groundwater Samples - Round 2  
Trace Volatiles, Fluoride, and Titanium  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

8/13/2008

Sample Code Sample Name Sample Date	Units	MW-PD-12-PD-R2 6/2/2008	MW-PD-12-PD-R2-DUP MW-PD-21-PD-R2 6/2/2008	RPD	ABS
<b>Volatile Organic Compounds - Trace</b>					
Dibromochloromethane	µg/L	0.5 U	0.5 U	NC	
1,2-Dibromoethane	µg/L	0.5 U	0.5 U	NC	
Chlorobenzene	µg/L	0.5 U	0.5 U	NC	
Ethylbenzene	µg/L	0.5 U	0.5 U	NC	
o-Xylene	µg/L	0.5 U	0.5 U	NC	
m,p-Xylene	µg/L	0.5 U	0.5 U	NC	
Styrene	µg/L	0.5 U	0.5 U	NC	
Bromoform	µg/L	0.5 U	0.5 U	NC	
Isopropylbenzene	µg/L	0.5 U	0.5 U	NC	
1,1,2,2-Tetrachloroethane	µg/L	0.5 U	0.5 U	NC	
1,3-Dichlorobenzene	µg/L	0.5 U	0.5 U	NC	
1,4-Dichlorobenzene	µg/L	0.5 U	0.5 U	NC	
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	NC	
1,2-Dibromo-3-chloropropane	µg/L	0.5 U	0.5 U	NC	
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	NC	
1,2,3-Trichlorobenzene	µg/L	0.5 U	0.5 U	NC	
<b>Inorganics</b>					
Titanium Metal Powder	µg/L	19.7	19.2	2.6	
Fluoride	mg/L	2.9	2.9	0	0.0

**Notes and Abbreviation:**

RPD is calculated for all detected results.

ABS is calculated for results failing the RPD and where one result is detected and one is non-detect or results fall below the CRQL.

RPD values above 50% are bolded if both sample and duplicate are detected. ABS values above Detection Limits are in italics if either the sample or duplicate is detected.

Blank cells reflect non-detect value

ABS = absolute difference

RPD = relative percent difference

CRQL = contract required detection limit

mg = milligram; µg = microgram; L = liter

NA = Not available or not applicable

NC = Not calculable



Table G-3c - Field Duplicate Comparison  
2007-2008 Subsurface Soils  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

8/13/2008

Sample Code Sample Name Sample Date	Units	CRQL	SBD-PD-16-B 12/27/2007	SBD-PD-16-B-DUP SBD-PD-61-B 12/27/2007	RPD	ABS	SBD-PD-16-P 1/2/2008	SBD-PD-16-P-DUP SBD-PD-61-P 1/2/2008	RPD	ABS
<b>Volatile Organic Compounds</b>										
Dichlorodifluoromethane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Chloromethane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Vinyl Chloride	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Bromomethane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Chloroethane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Trichlorofluoromethane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
1,1-Dichloroethene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Acetone	µg/kg	10	10 U	9.2 U	NC		70	9.1 U	NA	60.9
Carbon Disulfide	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Methyl Acetate	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Methylene Chloride	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
trans-1,2-Dichloroethene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Methyl tert-Butyl Ether	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
1,1-Dichloroethane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
cis-1,2-Dichloroethene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
2-Butanone	µg/kg	10	7.6 U	9.2 U	NC		9.4 U	9.1 U	NC	
Chloroform	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
1,1,1-Trichloroethane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Cyclohexane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Carbon Tetrachloride	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Benzene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
1,2-Dichloroethane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Trichloroethene	µg/kg	5	1.9 J	2.5 J	27.3	-0.6	4.7 U	4.6 U	NC	
Methylcyclohexane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
1,2-Dichloropropane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Bromodichloromethane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
cis-1,3-Dichloropropene	µg/kg	2.5	1.9 U	2.3 U	NC		2.4 U	2.3 U	NC	
4-Methyl-2-pentanone	µg/kg	10	7.6 U	9.2 U	NC		9.4 U	9.1 U	NC	
Toluene	µg/kg	5	0.77 J	0.96 J	22.0	-0.2	4.7 U	4.6 U	NC	
trans-1,3-Dichloropropene	µg/kg	2.5	1.9 U	2.3 U	NC		2.4 U	2.3 U	NC	
1,1,2-Trichloroethane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Tetrachloroethene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
2-Hexanone	µg/kg	10	7.6 U	9.2 U	NC		9.4 U	9.1 U	NC	

**Table G-3c - Field Duplicate Comparison  
2007-2008 Subsurface Soils  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York**

8/13/2008

Sample Code Sample Name Sample Date	Units	CRQL	SBD-PD-16-B 12/27/2007	SBD-PD-16-B-DUP SBD-PD-61-B 12/27/2007	RPD	ABS	SBD-PD-16-P 1/2/2008	SBD-PD-16-P-DUP SBD-PD-61-P 1/2/2008	RPD	ABS
<b>Volatile Organic Compounds</b>										
Dibromochloromethane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
1,2-Dibromoethane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Chlorobenzene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Ethylbenzene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
m,p-Xylene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Styrene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Bromoform	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
Isopropylbenzene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
1,1,2,2-Tetrachloroethane	µg/kg	2.5	1.9 U	2.3 U	NC		2.4 U	2.3 U	NC	
1,3-Dichlorobenzene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
1,4-Dichlorobenzene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
1,2-Dichlorobenzene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
1,2-Dibromo-3-chloropropane	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
1,2,4-Trichlorobenzene	µg/kg	5	3.8 U	4.6 U	NC		4.7 U	4.6 U	NC	
<b>Total Organic Carbon</b>	mg/kg		340 J	370 J	8.5		190 J	170 J	11	20

**Notes and Abbreviation:**

RPD is calculated for all detected results.

ABS is calculated for results failing the RPD and where one result is detected and one is non-detect or results fall below the CRQL.

RPD values above 100% are bolded if both sample and duplicate are detected. ABS values above five times the detection limits are in italics if either the sample or duplicate is detected.

Blank cells reflect non-detect value

ABS = absolute difference

RPD = relative percent difference

CRQL = contract required detection limit

mg = milligram; µg = microgram; kg = kilogram

NA = Not available or not applicable

NC = Not calculable

Table G-3c - Field Duplicate Comparison  
2007-2008 Subsurface Soils  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

8/13/2008

Sample Code Sample Name Sample Date		CRQL	SBD-PD-17-C 1/7/2008	SBD-PD-17-C-DUP SBD-PD-71-C 1/7/2008	RPD	ABS	SBD-PD-17-X 1/9/2008	SBD-PD-17-X-DUP SBD-PD-71-X 1/9/2008	RPD	ABS
<b>Volatile Organic Compounds</b>										
Dichlorodifluoromethane	µg/kg	5	5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Chloromethane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Vinyl Chloride	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Bromomethane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Chloroethane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Trichlorofluoromethane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
1,1-Dichloroethene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Acetone	µg/kg		11	14	24	-3	11 U	12 U	NC	
Carbon Disulfide	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Methyl Acetate	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Methylene Chloride	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
trans-1,2-Dichloroethene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Methyl tert-Butyl Ether	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
1,1-Dichloroethane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
cis-1,2-Dichloroethene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
2-Butanone	µg/kg		10 U	11 U	NC		11 U	12 U	NC	
Chloroform	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
1,1,1-Trichloroethane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Cyclohexane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Carbon Tetrachloride	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Benzene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
1,2-Dichloroethane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Trichloroethene	µg/kg		5.2 U	1.2 J	NA	4	5.5 U	6 U	NC	
Methylcyclohexane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
1,2-Dichloropropane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Bromodichloromethane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
cis-1,3-Dichloropropene	µg/kg		2.6 U	2.7 U	NC		2.7 U	3 U	NC	
4-Methyl-2-pentanone	µg/kg		10 U	11 U	NC		11 U	12 U	NC	
Toluene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
trans-1,3-Dichloropropene	µg/kg		2.6 U	2.7 U	NC		2.7 U	3 U	NC	
1,1,2-Trichloroethane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Tetrachloroethene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
2-Hexanone	µg/kg		10 U	11 U	NC		11 U	12 U	NC	

**Table G-3c - Field Duplicate Comparison  
2007-2008 Subsurface Soils  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York**

8/13/2008

Sample Code Sample Name Sample Date		CRQL	SBD-PD-17-C 1/7/2008	SBD-PD-17-C-DUP SBD-PD-71-C 1/7/2008	RPD	ABS	SBD-PD-17-X 1/9/2008	SBD-PD-17-X-DUP SBD-PD-71-X 1/9/2008	RPD	ABS
<b><u>Volatile Organic Compounds</u></b>										
Dibromochloromethane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
1,2-Dibromoethane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Chlorobenzene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Ethylbenzene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
m,p-Xylene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Styrene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Bromoform	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
Isopropylbenzene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
1,1,2,2-Tetrachloroethane	µg/kg		2.6 U	2.7 U	NC		2.7 U	3 U	NC	
1,3-Dichlorobenzene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
1,4-Dichlorobenzene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
1,2-Dichlorobenzene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
1,2-Dibromo-3-chloropropane	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
1,2,4-Trichlorobenzene	µg/kg		5.2 U	5.4 U	NC		5.5 U	6 U	NC	
<b>Total Organic Carbon</b>	<b>mg/kg</b>		<b>400 J</b>	<b>520 J</b>	<b>26</b>	<b>-120</b>	<b>200 J</b>	<b>220 J</b>	<b>9.52</b>	<b>-20</b>

**Notes and Abbreviation:**

RPD is calculated for all detected results.

ABS is calculated for results failing the RPD and where one result is detected and one is non-detect or results fall below the CRQL.

Blank cells reflect non-detect value

ABS = absolute difference

RPD = relative percent difference

CRQL = contract required detection limit

mg = milligram; µg = microgram; kg = kilogram

NA = Not available or not applicable

NC = Not calculable

Table G-3c - Field Duplicate Comparison  
2007-2008 Subsurface Soils  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

8/13/2008

Sample Code Sample Name Sample Date		CRQL	SBD-PD-18-D 12/17/2007	SBD-PD-18-D-DUP SBD-PD-81-D 12/17/2007	RPD	ABS	SBD-PD-19-A 12/5/2007	SBD-PD-19-A-DUP SBD-PD-91-A 12/5/2007	RPD	ABS
<b>Volatile Organic Compounds</b>										
Dichlorodifluoromethane	µg/kg	5	5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Chloromethane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Vinyl Chloride	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Bromomethane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Chloroethane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Trichlorofluoromethane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
1,1-Dichloroethene	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Acetone	µg/kg		28	22	24		15	7.5	66.7	7.5
Carbon Disulfide	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Methyl Acetate	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Methylene Chloride	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
trans-1,2-Dichloroethene	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Methyl tert-Butyl Ether	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
1,1-Dichloroethane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
cis-1,2-Dichloroethene	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
2-Butanone	µg/kg		11 U	8.9 U	NC		6.9 U	7.1 U	NC	
Chloroform	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
1,1,1-Trichloroethane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Cyclohexane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Carbon Tetrachloride	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Benzene	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
1,2-Dichloroethane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Trichloroethene	µg/kg		48	31	43.0		3.5 U	3.6 U	NC	
Methylcyclohexane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
1,2-Dichloropropane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Bromodichloromethane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
cis-1,3-Dichloropropene	µg/kg		2.7 U	2.2 U	NC		1.7 U	1.8 U	NC	
4-Methyl-2-pentanone	µg/kg		11 U	8.9 U	NC		6.9 U	7.1 U	NC	
Toluene	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
trans-1,3-Dichloropropene	µg/kg		2.7 U	2.2 U	NC		1.7 U	1.8 U	NC	
1,1,2-Trichloroethane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Tetrachloroethene	µg/kg		3.5 J	2.6 J	NC	0.9	3.5 U	3.6 U	NC	
2-Hexanone	µg/kg		11 U	8.9 U	NC		6.9 U	7.1 U	NC	

**Table G-3c - Field Duplicate Comparison  
2007-2008 Subsurface Soils  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York**

8/13/2008

Sample Code Sample Name Sample Date		CRQL	SBD-PD-18-D 12/17/2007	SBD-PD-18-D-DUP SBD-PD-81-D 12/17/2007	RPD	ABS	SBD-PD-19-A 12/5/2007	SBD-PD-19-A-DUP SBD-PD-91-A 12/5/2007	RPD	ABS
<b><u>Volatile Organic Compounds</u></b>										
Dibromochloromethane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
1,2-Dibromoethane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Chlorobenzene	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Ethylbenzene	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
m,p-Xylene	µg/kg		5.4 U	4.4 U	NC		1 J	3.6 U	NA	-2.6
Styrene	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Bromoform	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
Isopropylbenzene	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
1,1,2,2-Tetrachloroethane	µg/kg		2.7 U	2.2 U	NC		1.7 U	1.8 U	NC	
1,3-Dichlorobenzene	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
1,4-Dichlorobenzene	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
1,2-Dichlorobenzene	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
1,2-Dibromo-3-chloropropane	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
1,2,4-Trichlorobenzene	µg/kg		5.4 U	4.4 U	NC		3.5 U	3.6 U	NC	
<b>Total Organic Carbon</b>	<b>mg/kg</b>		<b>430 J</b>	<b>370 J</b>	<b>15</b>	<b>60</b>	<b>3800</b>	<b>2800</b>	<b>30.3</b>	<b>1000</b>

**Notes and Abbreviation:**

RPD is calculated for all detected results.

ABS is calculated for results failing the RPD and where one result is detected and one is non-detect or results fall below the CRQL.

Blank cells reflect non-detect value

ABS = absolute difference

RPD = relative percent difference

CRQL = contract required detection limit

mg = milligram; µg = microgram; kg = kilogram

NA = Not available or not applicable

NC = Not calculable

Table G-3d - Field Duplicate Comparison  
Groundwater Screening Samples  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

8/18/2008

Sample Code Sample Name Sample Date	Units	MW-PD-14-GW-A 4/9/2008	MW-PD-14-GW-A-DUP MW-PD-41-GW-A 4/9/2008	RPD
<b>Volatile Organic Compounds - OLM04.3</b>				
Acetone	µg/L	5 UJ	5 UJ	NC
Benzene	µg/L	5 U	5 U	NC
Bromodichloromethane	µg/L	5 U	5 U	NC
Bromoform	µg/L	5 U	5 U	NC
Bromomethane	µg/L	5 U	5 U	NC
2-Butanone	µg/L	5 U	5 U	NC
Carbon Disulfide	µg/L	5 U	5 U	NC
Carbon Tetrachloride	µg/L	5 U	5 U	NC
Chlorobenzene	µg/L	5 U	5 U	NC
Chloroethane	µg/L	5 UJ	5 UJ	NC
Chloroform	µg/L	5 U	5 U	NC
Chloromethane	µg/L	5 U	5 U	NC
Cyclohexane	µg/L	5 UJ	5 UJ	NC
Dibromochloromethane	µg/L	5 U	5 U	NC
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	NC
1,2-Dibromoethane	µg/L	5 U	5 U	NC
1,2-Dichlorobenzene	µg/L	5 U	5 U	NC
1,3-Dichlorobenzene	µg/L	5 U	5 U	NC
1,4-Dichlorobenzene	µg/L	5 U	5 U	NC
Dichlorodifluoromethane	µg/L	5 UJ	5 UJ	NC
1,1-Dichloroethane	µg/L	5 U	5 U	NC
1,2-Dichloroethane	µg/L	5 U	5 U	NC
1,1-Dichloroethene	µg/L	5 U	5 U	NC
cis-1,2-Dichloroethene	µg/L	5 U	5 U	NC
trans-1,2-Dichloroethene	µg/L	5 U	5 U	NC
1,2-Dichloropropane	µg/L	5 U	5 U	NC
cis-1,3-Dichloropropene	µg/L	5 U	5 U	NC
trans-1,3-Dichloropropene	µg/L	5 U	5 U	NC
Ethylbenzene	µg/L	5 U	5 U	NC
2-Hexanone	µg/L	5 U	5 U	NC
Isopropylbenzene	µg/L	5 U	5 U	NC
Methyl Acetate	µg/L	5 U	5 U	NC
Methylcyclohexane	µg/L	5 U	5 U	NC
Methylene Chloride	µg/L	5 U	5 U	NC
4-Methyl-2-pentanone	µg/L	5 U	5 U	NC
Methyl tert-Butyl Ether	µg/L	6	6	0.0
Styrene	µg/L	5 U	5 U	NC
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	NC
Tetrachloroethene	µg/L	5 U	5 U	NC
Toluene	µg/L	5 U	5 U	NC
1,2,4-Trichlorobenzene	µg/L	5 U	5 U	NC
1,1,1-Trichloroethane	µg/L	5 U	5 U	NC
1,1,2-Trichloroethane	µg/L	5 U	5 U	NC
Trichloroethene	µg/L	21	21	0.0
Trichlorofluoromethane	µg/L	5 U	5 U	NC
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	5 U	5 U	NC
Vinyl Chloride	µg/L	5 U	5 U	NC
Xylenes (total)	µg/L	5 U	5 U	NC

**Notes and Abbreviation:**

RPD is calculated for all detected results.

ABS calculations are not applicable for the above data set; results passed RPD criteria and were non-detects.

ABS = absolute difference

RPD = relative percent difference

U - non-detect value

µg = microgram; L = liter

NC = Not calculable

Table G-3d - Field Duplicate Comparison  
Groundwater Screening Samples  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

8/18/2008

Sample Code Sample Name Sample Date	Units	MW-PD-12-GW-AA 2/6/2008	MW-PD-12-GW-AA-DUP MW-PD-21-GW-AA 2/6/2008	RPD
<b>Volatile Organic Compounds</b>				
Acetone	µg/L	5 UJ	5 UJ	NC
Benzene	µg/L	5 U	5 U	NC
Bromodichloromethane	µg/L	5 U	5 U	NC
Bromoform	µg/L	5 U	5 U	NC
Bromomethane	µg/L	6	5	18.2
2-Butanone	µg/L	5 U	5 U	NC
Carbon Disulfide	µg/L	5 U	5 U	NC
Carbon Tetrachloride	µg/L	5 U	5 U	NC
Chlorobenzene	µg/L	5 U	5 U	NC
Chloroethane	µg/L	5 U	5 U	NC
Chloroform	µg/L	5 U	5 U	NC
Chloromethane	µg/L	5 U	5 U	NC
Cyclohexane	µg/L	5 U	5 U	NC
Dibromochloromethane	µg/L	5 U	5 U	NC
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	NC
1,2-Dibromoethane	µg/L	5 U	5 U	NC
1,2-Dichlorobenzene	µg/L	5 U	5 U	NC
1,3-Dichlorobenzene	µg/L	5 U	5 U	NC
1,4-Dichlorobenzene	µg/L	5 U	5 U	NC
Dichlorodifluoromethane	µg/L	5 U	5 U	NC
1,1-Dichloroethane	µg/L	5 U	5 U	NC
1,2-Dichloroethane	µg/L	5 U	5 U	NC
1,1-Dichloroethene	µg/L	5 U	5 U	NC
cis-1,2-Dichloroethene	µg/L	5 U	5 U	NC
trans-1,2-Dichloroethene	µg/L	5 U	5 U	NC
1,2-Dichloropropane	µg/L	5 U	5 U	NC
cis-1,3-Dichloropropene	µg/L	5 U	5 U	NC
trans-1,3-Dichloropropene	µg/L	5 U	5 U	NC
Ethylbenzene	µg/L	5 U	5 U	NC
2-Hexanone	µg/L	5 U	5 U	NC
Isopropylbenzene	µg/L	5 U	5 U	NC
Methyl Acetate	µg/L	5 U	5 U	NC
Methylcyclohexane	µg/L	5 U	5 U	NC
Methylene Chloride	µg/L	5 U	5 U	NC
4-Methyl-2-pentanone	µg/L	5 U	5 U	NC
Methyl tert-Butyl Ether	µg/L	5 U	5 U	0.0
Styrene	µg/L	5 U	5 U	NC
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	NC
Tetrachloroethene	µg/L	5 U	5 U	NC
Toluene	µg/L	5	6	18.2
1,2,4-Trichlorobenzene	µg/L	5 U	5 U	NC
1,1,1-Trichloroethane	µg/L	5 U	5 U	NC
1,1,2-Trichloroethane	µg/L	5 U	5 U	NC
Trichloroethene	µg/L	52	43	18.9
Trichlorofluoromethane	µg/L	5 U	5 U	NC
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	5 U	5 U	NC
Vinyl Chloride	µg/L	5 U	5 U	NC
Xylenes (total)	µg/L	5 U	5 U	NC

**Notes and Abbreviation:**

RPD is calculated for all detected results.

ABS calculations are not applicable for the above data set; results passed RPD criteria and were non-detect.

ABS = absolute difference

RPD = relative percent difference

U - non-detect value

µg = microgram; L = liter

NC = Not calculable



Table G-3d - Field Duplicate Comparison  
Groundwater Screening Samples  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

8/18/2008

Sample Code Sample Name Sample Date	Units	MW-PD-16-GW-D 2/28/2008	MW-PD-16-GW-D-DUP MW-PD-61-GW-D 2/28/2008	RPD
<b>Volatile Organic Compounds</b>				
Acetone	µg/L	5 UL	5 UL	NC
Benzene	µg/L	5 U	5 U	NC
Bromodichloromethane	µg/L	5 U	5 U	NC
Bromoform	µg/L	5 U	5 U	NC
Bromomethane	µg/L	5 U	6 U	NC
2-Butanone	µg/L	5 U	5 U	NC
Carbon Disulfide	µg/L	5 U	5 U	NC
Carbon Tetrachloride	µg/L	5 U	5 U	NC
Chlorobenzene	µg/L	5 U	5 U	NC
Chloroethane	µg/L	5 U	5 U	NC
Chloroform	µg/L	5 U	5 U	NC
Chloromethane	µg/L	5 U	5 U	NC
Cyclohexane	µg/L	5 U	5 U	NC
Dibromochloromethane	µg/L	5 U	5 U	NC
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	NC
1,2-Dibromoethane	µg/L	5 U	5 U	NC
1,2-Dichlorobenzene	µg/L	5 U	5 U	NC
1,3-Dichlorobenzene	µg/L	5 U	5 U	NC
1,4-Dichlorobenzene	µg/L	5 U	5 U	NC
Dichlorodifluoromethane	µg/L	5 U	5 U	NC
1,1-Dichloroethane	µg/L	5 U	5 U	NC
1,2-Dichloroethane	µg/L	5 U	5 U	NC
1,1-Dichloroethene	µg/L	5 U	5 U	NC
cis-1,2-Dichloroethene	µg/L	13	13	0.0
trans-1,2-Dichloroethene	µg/L	5 U	5 U	NC
1,2-Dichloropropane	µg/L	5 U	5 U	NC
cis-1,3-Dichloropropene	µg/L	5 U	5 U	NC
trans-1,3-Dichloropropene	µg/L	5 U	5 U	NC
Ethylbenzene	µg/L	5 U	5 U	NC
2-Hexanone	µg/L	5 U	5 U	NC
Isopropylbenzene	µg/L	5 U	5 U	NC
Methyl Acetate	µg/L	5 U	5 U	NC
Methylcyclohexane	µg/L	5 U	5 U	NC
Methylene Chloride	µg/L	5 U	5 U	NC
4-Methyl-2-pentanone	µg/L	5 U	5 U	NC
Methyl tert-Butyl Ether	µg/L	5 U	5 U	0.0
Styrene	µg/L	5 U	5 U	NC
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	NC
Tetrachloroethene	µg/L	18	18	0.0
Toluene	µg/L	5 U	5 U	NC
1,2,4-Trichlorobenzene	µg/L	5 U	5 U	NC
1,1,1-Trichloroethane	µg/L	5 U	5 U	NC
1,1,2-Trichloroethane	µg/L	5 U	5 U	NC
Trichloroethene	µg/L	2000	2000	0.0
Trichlorofluoromethane	µg/L	5 U	5 U	NC
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	5 U	5 U	NC
Vinyl Chloride	µg/L	5 U	5 U	NC
Xylenes (total)	µg/L	5 U	5 U	NC

**Notes and Abbreviation:**

RPD is calculated for all detected results.

ABS calculations are not applicable for the above data set; results passed RPD criteria and were non-dete

ABS = absolute difference

RPD = relative percent difference

U - non-detect value

µg = microgram; L = liter

NC = Not calculable

Table G-3e - Field Duplicate Comparison  
 Aquifer Testing Samples  
 Lawrence Aviation Industries Site  
 Port Jefferson Station, New York

8/13/2008

Sample Code Sample Name Sample Date	Units	CRQL	PT01-I 4/29/2008	PT01-I-DUP PT10-I 4/29/2008	RPD	ABS
<b>Volatile Organic Compounds - Trace</b>						
Dichlorodifluoromethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
Chloromethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
Vinyl Chloride	µg/L	0.5 U	0.5 U	0.5 U	NC	
Bromomethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
Chloroethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
Trichlorofluoromethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
Acetone	µg/L	5 U	5 U	5 U	NC	
Carbon Disulfide	µg/L	0.5 U	0.5 U	0.5 U	NC	
Methyl Acetate	µg/L	0.5 U	0.5 U	0.5 U	NC	
Methylene Chloride	µg/L	0.5 U	0.5 U	0.5 U	NC	
trans-1,2-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	NC	
Methyl tert-Butyl Ether	µg/L	0.5 U	0.92	0.91	1.1	0.01
1,1-Dichloroethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
cis-1,2-Dichloroethene	µg/L	0.5 U	2.1	2.1	0.0	0.0
2-Butanone	µg/L	5 U	5 U	5 U	NC	
Chlorobromomethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
Chloroform	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,1,1-Trichloroethane	µg/L	0.5 U	0.23 J	0.23 J	0.0	0.0
Cyclohexane	µg/L	0.5 U	0.5 U	0.5 U	NC	
Carbon Tetrachloride	µg/L	0.5 U	0.5 U	0.5 U	NC	
Benzene	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
Trichloroethene	µg/L	0.5 U	440	490	10.8	-50.0
Methylcyclohexane	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	NC	
Bromodichloromethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
cis-1,3-Dichloropropene	µg/L	0.5 U	0.5 U	0.5 U	NC	
4-Methyl-2-pentanone	µg/L	5 U	5 U	5 U	NC	
Toluene	µg/L	0.5 U	0.5 U	0.5 U	NC	
trans-1,3-Dichloropropene	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,1,2-Trichloroethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
Tetrachloroethene	µg/L	0.5 U	25	27	7.7	-2.0
2-Hexanone	µg/L	5 U	5 U	5 U	NC	
Dibromochloromethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,2-Dibromoethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
Chlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	NC	
Ethylbenzene	µg/L	0.5 U	0.5 U	0.5 U	NC	
o-Xylene	µg/L	0.5 U	0.5 U	0.5 U	NC	
m,p-Xylene	µg/L	0.5 U	0.5 U	0.5 U	NC	
Styrene	µg/L	0.5 U	0.5 U	0.5 U	NC	
Bromoform	µg/L	0.5 U	0.5 U	0.5 U	NC	
Isopropylbenzene	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,1,2,2-Tetrachloroethane	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,3-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,4-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,2-Dibromo-3-chloropropane	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	NC	
1,2,3-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	NC	

Table G-3e - Field Duplicate Comparison  
 Aquifer Testing Samples  
 Lawrence Aviation Industries Site  
 Port Jefferson Station, New York

8/13/2008

Sample Code Sample Name Sample Date	Units	CRQL	PT01-I 4/29/2008	PT01-I-DUP PT10-I 4/29/2008	RPD	ABS
<b>Metals analysis ILM05-2-W-AES - 23 compounds - DESA</b>						
Aluminum	µg/L	200 U	36000 R	9260 R	118.2	*
Antimony	µg/L	60 U	60 U	60 U	NC	
Arsenic	µg/L	10 U	9.8 J	10 U	2.0	-0.2
Barium	µg/L	200 U	223	104 J	72.8	119.0
Beryllium	µg/L	5 U	5 U	5 U	NC	
Cadmium	µg/L	5 U	5 U	5 U	NC	
Calcium	µg/L	5000 U	12500	12200	2.4	
Chromium	µg/L	10 U	321	32.3 R	163.4	*
Cobalt	µg/L	50 U	50 U	50 U	NC	
Copper	µg/L	25 U	24.1 J	11.6 J	70.0	12.5
Iron	µg/L	100 U	10400 R	1670 R	144.7	*
Lead	µg/L	10 U	37.8 R	7.3 R	135.3	*
Magnesium	µg/L	5000 U	6430	6280	2.4	150.0
Manganese	µg/L	15 U	1020 R	187 R	138.0	*
Mercury	µg/L	0.2 U	0.2 U	0.2 U	NC	
Nickel	µg/L	40 U	193 R	44.4 R	125.2	*
Potassium	µg/L	5000 U	38100	37900	0.5	200.0
Selenium	µg/L	35 U	35 U	35 U	NC	
Silver	µg/L	10 U	10 U	10 U	NC	
Sodium	µg/L	5000 U	17100	17200	0.6	
Thallium	µg/L	25 U	25 U	25 U	NC	
Vanadium	µg/L	50 U	49.1 J	50 U	1.8	-0.9
Zinc	µg/L	60 U	536	551	2.8	-15.0
Cyanide	µg/L	10 U	10 U	10 U	NC	
<b>Wet Chemistry Analysis - STL</b>						
Total Dissolved Solids	mg/L	10 U	230	230	0.0	0.0
Total Suspended Solids	mg/L	4 U	1700	470	113.4	1230.0
Alkalinity, Total (as CaCO3)	mg/L	1 U	58	56	3.5	2.0
Chloride	mg/L	0.1 U	16	17	6.1	-1.0
Nitrogen, Ammonia	mg/L	0.05 U	0.16	0.23	35.9	-0.07
Nitrogen, Total Kjeldahl	mg/L	0.1 U	0.35	0.44	22.8	-0.09
Sulfate	mg/L	0.5 U	24	25	4.1	-1.0
Total Organic Carbon	mg/L	1 U	1 U	1 U	NC	
Nitrate	mg/L	0.1 U	10	9.2	8.3	0.8
Nitrite	mg/L	0.05 U	0.13	0.11	16.7	0.02
Hardness	mg/L	1 U	62	62	0.0	0.00

**Notes and Abbreviation:**

RPD is calculated for all detected results.

ABS is calculated for results failing the RPD and where one result is detected and one is non-detect or results fall below the CRQL.

RPD values above 100% are bolded if both sample and duplicate are detected. ABS values above five times the detection limits are in italics if either the sample or duplicate is detected.

Bolded values exceed criteria.

\* Results were rejected during data validation so no further evaluation is warranted. Therefore these RPD results are only summarized in the text.

ABS = absolute difference

RPD = relative percent difference

NA = Not available or not applicable

NC = Not calculable

CRQL = contract required detection limit

mg = milligram; µg = microgram; kg = kilogram; L = liter

**Table G-4**  
**Detected Compounds in 2007-2008 QC Blanks**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

**LDL Volatile Organic Compounds**  
**Field Rinsate Blanks - Soil Sampling**

Units: µg/L

Sample Code		FB-120507	FB-120607	FB-120707	FB-121007	FB-121107	FB-121707	FB-121807	FB-121907
Sample Date		12/5/2007	12/6/2007	12/7/2007	12/10/2007	12/11/2007	12/17/2007	12/18/2007	12/19/2007
Chemical Name	CRQL								
Chloromethane	0.5 U						0.58	0.4 J	
Acetone	5 U	150							
Methylene Chloride	0.5 U	0.23 J							
Chloroform	0.5 U	0.55	0.49 J	0.47 J	0.46 J	0.48 J	8.9	6.3	12
1,1,1-Trichloroethane	0.5 U							0.49 J	
Cyclohexane	0.5 U						0.38 J		
Bromodichloromethane	0.5 U						1.3 J	1	1.8
Toluene	0.5 U			0.43 J	0.34 J	0.37 J		0.27 J	0.26 J
Dibromochloromethane	0.5 U								

Sample Code		FB-122007	FB-122107	FB-122707	FB-122807	FB-010208	FB-010308	FB-010808	FB-010908
Sample Date		12/20/2007	12/21/2007	12/27/2007	12/28/2007	1/2/2008	1/3/2008	1/8/2008	1/9/2008
Chemical Name	CRQL								
Chloromethane	0.5 U		0.34 J	0.34 J	0.28 J	0.84		0.33 J	
Acetone	5 U	43	5.2	17	60	6.4	6.5	28	44
Methylene Chloride	0.5 U							0.34 J	
Chloroform	0.5 U	11	6.7	8.2	6.2	7.5	8.6	8.3 J	8.7 J
1,1,1-Trichloroethane	0.5 U								
Cyclohexane	0.5 U								
Bromodichloromethane	0.5 U	1	1.1	1.3	1	1.2	1.4	0.74	0.8
Toluene	0.5 U	0.65					0.29 J	0.38 J	0.3 J
Dibromochloromethane	0.5 U	0.32 J	0.3 J	0.35 J	0.29 J	0.37 J	0.4 J	0.22 J	0.22 J

**Definitions and Notes:**

CRQL - Contract required quantitation limit

LDL - low detection limit

µg/L - microgram per liter

J - estimated values

U - non-detected values

Hits above the CRQL are bolded.

Blank cells represent non-detected values.

Blanks with no hits are not shown above.

Table G-4  
Detected Compounds in 2007-2008 QC Blanks  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

**Volatile Organic Compounds - Trace**

**Field Rinsate Blanks - May to June 2008 - Aquifer Test and Groundwater Round 1 and 2**

Units: µg/L

Sample Code		FB112807	FB-042408	FB-052908	FB-060208	FB-060308
Sample Date		11/28/2007	4/24/2008	5/29/2008	6/2/2008	6/3/2008
Chemical Name	CRQL	Round 1	Aquifer test	Round 2	Round 2	Round 2
Chloromethane	0.5 U		0.45 J			
Acetone	5 U				3.6 J	
Methylene Chloride	0.5 U			0.36 J		0.47 J
Chloroform	0.5 U	0.48 J	0.35 J			0.35 J
Trichloroethene	0.5 U		0.44 J	16		
Toluene	0.5 U				0.11 J	0.11 J
Tetrachloroethene	0.5 U			0.11 J		
Fluoride	0.5 U			0.086 J	0.054 J	0.06 J

**Definitions and Notes:**

CRQL - Contract required quantitation limit

LDL - low detection limit

µg/L - microgram per liter

J - estimated values

U - non-detected values

Hits above the CRQL are bolded.

Blank cells represent non-detected values.

Blanks with no hits are not shown above.

**Table G-4**  
**Detected Compounds in 2007-2008 QC Blanks**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

**Trace Volatile Organic Compounds**

**Trip Blanks - Round 1 Groundwater Samples and Groundwater Screening Samples collected during the Soil Boring Event**

**Units: µg/L**

Sample Code	CRQLs	TB-121007 12/10/2007 GW screen	TB-121107 12/11/2007 GW screen	TB-121907 12/19/2007 GW screen	TB-122007 12/20/2007 GW screen	TB-010208 1/2/2008 GW screen	TB-010308 1/3/2008 GW screen	TB-010808 1/8/2008 GW screen	TB-010908 1/9/2008 GW screen
Chemical Name									
Chloromethane	0.5 U		0.22 J	0.6				0.75	
Acetone	5 U	29	27				22	26	24
Methylene Chloride	0.5 U							0.2 J	
2-Butanone	5 U								
Chloroform	0.5 U	5.3	4.9	12	12	8	8.5	8.4	7.6
Trichloroethene	0.5 U								
Bromodichloromethane	0.5 U	0.5 J	0.56	1.8	2	1.3	0.78	0.77	0.73
Toluene	0.5 U	0.82	0.86				0.42 J	0.38 J	0.36 J
Dibromochloromethane	0.5 U			0.63	0.57	0.37 J	0.22 J	0.22 J	
m,p-Xylene	0.5 U								

Sample Code	CRQLs	TB112607 11/26/2007 Round 1	TB112807 11/28/2007 Round 1	TB112907 11/29/2007 Round 1	TB113007 11/30/2007 Round 1	TB010408 1/4/2008 Round 1 reanalysis
Chemical Name						
Chloromethane	0.5 U					0.43 J
Acetone	5 U					5.4
Methylene Chloride	0.5 U					0.19 J
2-Butanone	5 U					3 J
Chloroform	0.5 U	0.48 J	0.5	0.6		5.9
Trichloroethene	0.5 U			0.26 J		
Bromodichloromethane	0.5 U					1
Toluene	0.5 U					0.21 J
Dibromochloromethane	0.5 U					0.33 J
m,p-Xylene	0.5 U					0.095 J

**Definitions and Notes:**

CRQL - Contract required quantitation limit

LDL - low detection limit

µg/L - microgram per liter

J - estimated values

U - non-detected values

Hits above the CRQL are bolded.

Blank cells represent non-detected values.

Blanks with no hits are not shown above.

**Table G-4**  
**Detected Compounds in 2007-2008 QC Blanks**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

8/18/2008

**Trace Volatile Organic Compounds**

**Trip Blanks - May and June 2008 - Aquifer Test and Groundwater Round 2**

**Units: µg/L**

Sample Code	CRQLs	TB-050108	TB-051908	TB-052008	TB-052208	TB-052708	TB-052808	TB-052908	TB-060208	TB-060308
Sample Name		5/1/2008	5/19/2008	5/20/2008	5/22/2008	5/27/2008	5/28/2008	5/29/2008	6/2/2008	6/3/2008
Sample Date		Aquifer Test	Round 2	Round 2	Round 2	Round 2	Round 2	Round 2	Round 2	Round 2
Chemical Name										
Chloromethane	0.5 U					0.11 J	0.14 J		0.16 J	
Bromomethane	0.5 U								0.14 J	
Acetone	5 U		<b>9.5</b>	<b>11</b>	<b>9.1</b>	4 J	2.7 J	2.7 J	<b>9.7</b>	3.9 J
Methylene Chloride	0.5 U		0.38 J	0.38 J	0.32 J	0.35 J	0.46 J	0.4 J	<b>0.58</b>	0.41 J
Chloroform	0.5 U	0.21 J	0.23 J			0.47 J	0.4 J	0.39 J	<b>4.2</b>	
Trichloroethene	0.5 U						0.18 J		0.17 J	
Bromodichloromethane	0.5 U								<b>0.88</b>	
Toluene	0.5 U		0.12 J	0.13 J	0.15 J	0.12 J	0.1 J	0.11 J		0.11 J
Dibromochloromethane	0.5 U								0.35 J	

**Definitions and Notes:**

CRQL - Contract required quantitation limit

LDL - low detection limit

µg/L - microgram per liter

J - estimated values

U - non-detected values

Hits above the CRQL are bolded.

Blank cells represent non-detected values.

Blanks with no hits are not shown above.

**Table G-4**  
**Detected Compounds in 2007-2008 QC Blanks**  
**Lawrence Aviation Industries Site**  
**Port Jefferson Station, New York**

8/18/2008

**Volatile Organic Compounds, OLM04.3**

**Field Rinsate Blanks - Groundwater Screening Samples**

Units: µg/L

Sample Code		FB-021208	FB-022808	FB-030508
Sample Date		2/12/2008	2/28/2008	3/5/2008
Chemical Name	CRQL			
Bromomethane	5 U	6 J		
Chloroform	5 U	5	8	8

9 Field blanks not listed are clean.

**Volatile Organic Compounds, OLM04.3**

**Trip Blanks - Groundwater Screening Samples**

Units: µg/L

Sample Code		TB-020508	TB-020608	TB-021208	TB-022808	TB-030508	TB-031108	TB030708
Sample Date		2/5/2008	2/6/2008	2/12/2008	2/22/2008	3/5/2008	3/11/2008	3/7/2008
Chemical Name	CRQL							
Bromomethane	5 U		5	6 J				6
Chloroform	5 U	7	7	5	8	8	8	8

**Definitions and Notes:**

CRQL - Contract required quantitation limit

µg/L - microgram per liter

J - estimated values

U - non-detected values

Hits above the CRQL are bolded.

Blank cells represent non-detected values.

Blanks with no hits are not shown above.

8 Trip blanks not listed are clean.



Table G-5  
2007-2008 Data Completeness Report  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

8/13/2008

Analytical Parameter	Non-Detects	Hits	Rejects	Total	Estimated Hits	Percent Estimated (Hits Only)	Percent Rejected
Alkalinity	1	25	0	26	0		
Ammonia	8	2	0	10	0		
Chloride	0	10	0	10	0		
Fluoride	0	97	0	97	36		
Grain Size Distribution	0	625	0	625	0		
Hardness as Calcium Carbonate	0	26	0	26	1		
Nitrite	8	2	0	10	0		
Nitrate	0	10	0	10	0		
Sulfate	0	26	0	26	0		
Total Dissolved Solids	0	10	0	10	0		
Total Suspended Solids	5	5	0	10	0		
TKN	1	9	0	10	0		
Total Organic Carbon-water	9	1	0	10	1		
Total Organic Carbon-soil	0	107	0	107	85	79.4	
Solids, Percent	0	112	0	112	0		
Cyanide	11	0	0	11	0		
Titanium	89	8	0	97	2		
TAL Metals	296	299	11	606	71		1.8
Pesticides	217	0	14	231	0		6.1
PCBs	99	0	0	99	0		
Trace Volatile Organics	2490	264	0	2754	96	3.5	
Volatile Organic Compounds	2943	321	0	3264	138		
TCL Volatile Organics - Soil	5444	123	49	5616	52	0.9	0.9
Volatile Organics (SIM)	136	0	0	136	0		
SVOC	736	1	0	737	1		
VOC Screening-8260	1632	48	0	1680	5		
<b>TOTALS</b>	<b>14125</b>	<b>2131</b>	<b>74</b>	<b>16330</b>	<b>488</b>	<b>3.0</b>	<b>0.5</b>

Percent of all Data Rejected	0.45	
Percent Soil VOCs rejected	0.9	
Percent of all Hits Estimated	3.0	(does not include estimated non-detect data)
Percent complete (judged valid)	99.55	(Includes all estimated data)

Notes:

TCL = target compound list  
SIM = simultaneous ion monitoring  
TKN = Total Kjeldahl nitrogen  
PCB = Polychlorinated biphenyls  
SVOC = Semi-Volatile Organic Compounds

Table G-6  
Quantitation Limits Above Site Specific Criteria  
Lawrence Aviation Industries Site  
Port Jefferson Station, New York

Groundwater Sample Collected from bottom of Soil Borings

Method: OLM04.3

Units: µg/L

Sample Code Sample Name Sample Date Unit \ Depth	Tech Memo Site-specific-GW Criteria	QAPP listed Action Limit or Goal for GW	SBD-PD-19-GW-A  12/10/2007 202 to 207 ft bgs		
<b>Chemical Name</b>					
cis-1,3-Dichloropropene	0.4	Not listed	0.5	U	
trans-1,3-Dichloropropene	0.4	0.5	0.5	U	
1,2-Dibromoethane	0.0006	Not listed	0.5	U	
1,2-Dibromo-3-chloropropane	0.04	0.5	0.5	U	

Sample Code Sample Name Sample Date Unit \ Depth	Tech Memo Site-specific-GW Criteria	QAPP listed Action Limit or Goal for GW(2)	MW-PD-11-GW-A  1/16/2008 185 to 190 ft bgs		
<b>Chemical Name</b>					
Benzene	1	1	5	U	
1,2-Dibromo-3-chloropropane	0.04	0.5	5	U	
1,2-Dibromoethane	0.0006	Not listed	5	U	
1,2-Dichlorobenzene	3	3	5	U	
1,3-Dichlorobenzene	3	3	5	U	
1,4-Dichlorobenzene	3	3	5	U	
1,2-Dichloroethane	0.6	0.6	5	U	
1,2-Dichloropropane	1	1	5	U	
cis-1,3-Dichloropropene	0.4	Not listed	5	U	
trans-1,3-Dichloropropene	0.4	0.5	5	U	
1,1,2-Trichloroethane	1	1	5	U	
Vinyl Chloride	2	2	5	U	

**Notes and Abbreviations:**

- 1 Compounds listed above have detection limits above screening criteria in samples collected from the above events
- 2 Less conservative number from QAPP listed above

ft - feet

J - Value estimated

U - Compound not detected above reporting limit

micrograms per liter

µg/L -micrograms per liter

SW8260B -Method for Volatile Organic Analysis - Aqueous