FINAL

Remedial Investigation Addendum No. 1 Report

Old Erie Canal Site
Clyde, New York

Parker Hannifin Corporation
Cleveland, Ohio

General Electric Company
Albany, New York

May 13, 2005

O'BRIEN & GERE

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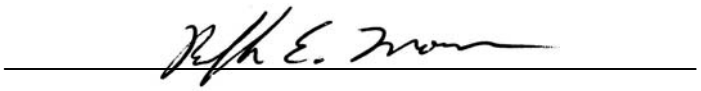

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May 13, 2005

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1. Introduction

1.1. General

This Remedial Investigation Addendum No. 1 Report (RI Addendum Report) has been developed by O'Brien & Gere Engineers, Inc. on behalf of the Parker Hannifin Corporation (Parker-Hannifin) and the General Electric Company (GE) for the Old Erie Canal Site (Site) in Clyde, New York. This report presents the results of additional investigations performed in response to comments on the RI Report for the Old Erie Canal Site provided by the New York State Department of Environmental Conservation (NYSDEC) in a May 26, 2004 letter. This RI Addendum was conducted in accordance with the NYSDEC-approved Remedial Investigation/Feasibility Study (RI/FS) Work Plan Addendum No. 1 (Work Plan Addendum) prepared by O'Brien & Gere and dated June 24, 2004. This Work Plan Addendum was approved by the NYSDEC in a letter dated July 21, 2004.

1.2. Project objectives

The primary objective of the RI Addendum is to evaluate the potential for soil vapor intrusion into the on-site manufacturing building. An additional objective is to obtain additional ground water quality data in the shallow unconsolidated unit in the vicinity of Columbia Street and the residential structure located west of the site. To meet these objectives, a sub-slab investigation was performed under the main manufacturing building located at the Site. Additional subsurface investigations were also performed along Columbia Street and west of the Site, on the residential property.

Based on the results of the sub-slab soil gas investigation and the subsurface investigations, Amendment No. 1 to the RI/FS Work Plan Addendum No. 1 was initiated. To evaluate potential remedial measures that could address the concentrations of volatile organic compounds (VOCs), a sub-slab soil and ground water sampling program and a building survey, visual inspection, and sub-slab diagnostic communication testing program was performed. The scope of work for these additional investigations is described in a November 2, 2004 letter. This Amendment was approved by the NYSDEC in a letter dated December 14, 2004.

1.3. Project scope

The original scope of the RI is described in Section 1.3. of the RI Report prepared by O'Brien & Gere dated November 24, 2003. As stated in the RI/FS Work Plan Addendum No. 1 and the Amendment No. 1 to the RI/FS Work Plan Addendum No. 1, the scope of work was performed in two tasks, the on-site sub-slab investigation and the off-site investigation.

The objective of the on-site investigation is to evaluate the potential for soil vapor intrusion into the manufacturing building, the potential impact of historical operations at the manufacturing building, and potential remedial measures that could address the concentrations of VOCs. The scope of work for the on-site sub-slab investigation included the following:

- Setup and collection of sub-slab soil gas samples from twenty-seven locations beneath the manufacturing building
- Installation of eleven soil borings and temporary monitoring wells through the slab of the manufacturing building, and the collection of one subsurface soil sample and one ground water sample from each location
- Performance of a building survey, visual inspection and sub-slab diagnostic communication testing

A complete description of the on-site investigation methodology is included as Section 3.

The objective of the off-site investigation is to further evaluate the ground water quality north and west of the Site, and to confirm the ground water quality at monitoring wells MW-8S and MW-9S. In addition, the basement sump water quality was evaluated at the property located at 170 Columbia Street. The scope of work for the off-site investigation included the following:

- Installation of five soil borings and temporary monitoring wells along the north side of Columbia Street, and two soil borings and temporary monitoring wells along the eastern side of the residential property located west of the Site
- Collection soil gas samples along the north side of Columbia Street from the two soil borings where ground water was not encountered
- Collection of ground water samples from existing monitoring wells MW-8S and MW-9S and five temporary monitoring wells

- Collection of a water sample from the basement sump at the residential property located at 170 Columbia Street

A complete description of the off-site field investigation methodology is included as Section 4.

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2. Site history

2.1. Site background and ownership

The Site is approximately 10.5 acres in size and includes portions of Parker-Hannifin's Property as well as portions of the abandoned Erie Canal, which is currently owned by the Village of Clyde (see Figure 1-1). The Property has been used for manufacturing operations since the early 1800's. Glass manufacturing dominated Site operations into the early 1930's and by 1941 the Property was purchased by Acme Electric, which conducted war related manufacturing until 1945. GE purchased the Property from Acme in 1945 and Parker-Hannifin subsequently purchased the Property in 1965. Parker-Hannifin's current operations include the manufacture, testing, and overhaul of fuel injection nozzles for gas turbines used in industrial and military applications.

2.2. Previous investigations

The NYSDEC conducted a Preliminary Site Assessment (PSA) between July 1989 and December 1994. The findings from these investigations are summarized in Section 2.4.2 of the RI Report, and were included in the Preliminary PSA Report dated January 1991 and the Final PSA Report dated September 1995. Both reports were prepared by URS Consultants, Inc. In general the findings within the Site are consistent with, and have been confirmed by, the results of the recent RI activities.

In April 1989, the New York State Department of Health (NYSDOH) collected a water sample for laboratory analysis from a residential well at 30 Sibley Street located approximately 0.5 miles west of the Site. Results indicated that no VOCs, SVOCs, pesticides or PCBs were detected in this sample. In June 2002, NYSDOH collected a water sample from the basement sump of 176 Columbia Street located west of the manufacturing building. No VOCs were detected in this sample.

The NYSDOH collected water samples for VOC analysis from the basement sump of 170 Columbia Street located directly west of the Site on eight occasions between April 1989 and June 2002. In total, chlorinated VOCs were not detected in six of the eight water samples and no VOCs were detected in the samples collected in September 1997, March 2000, or June 2002. The NYSDOH collected indoor air samples from the residence in November 1996. Various VOCs were detected in the indoor air samples; however, NYSDOH concluded that the low concentrations were consistent with background conditions and were not attributable to the Site.

In August and September 1994 the NYSDEC collected surface water samples SW-4 and SW-5 from the Barge Canal (Clyde River). Only one VOC (2-butanone), which is unrelated to the Site, was detected in the surface water sample collected from location SW-4. No other VOCs, SVOCs, pesticides, or cyanide were detected.

2.3. Public water connection verification program

Twenty-five properties within the Village of Clyde Boundary were identified as having a water supply well on their property; seven are located within a one half-mile radius of the Site and three rely on their well as a water supply source. All three are hydraulically up gradient of the Site and the remaining four properties have both a well and public water supply servicing their property. The closest residential well to the Site is located at 30 Sibley Street, approximately 0.5 miles west of the Site.

2.4. Remedial investigation site characterization program

With the overall objective of determining the nature and extent of contamination at the Site, a site characterization program was implemented. The primary components of the characterization program included a preliminary screening program, a drilling and well installation program, a storm sewer investigation and a soil and water sampling program. The data generated during the site characterization program have been utilized in a qualitative risk assessment and a fish and wildlife impact analysis. The results are presented in detail in Sections 4 through 11 of the RI Report of November 2003.

2.4.1. Geology and hydrogeology

With the exception of fill, unconsolidated deposits of glacial origin overlie the bedrock throughout most of the Site. Based on the soil borings completed during the RI, the combined maximum thickness of the unconsolidated deposits is approximately 31 feet. Three types of unconsolidated deposits have been identified at the Site. These consist of, in descending order: artificial fill material, glaciofluvial channel deposits, and glacial till. The fill material was encountered across the majority of the Site and ranged in thickness from 0.5 to 9 feet. The maximum thickness of the glaciofluvial deposits is 23 feet at location GP-36 which is located near the southern portion of the Site and appears to pinch-out in the area surrounding the manufacturing building and in the southeastern parking lot. The thickness of the glacial till deposit ranges from 6 to 15 feet across the majority of the Site. The glacial till unit appears to be absent beneath the glaciofluvial channel located along the western portion of the Site, but is observed again along the westernmost property boundary. The depths to bedrock observed during

the drilling program ranged from 16.5 to 31 feet below ground surface (bgs). Generally, the bedrock surface dips gently, with a fairly uniform gradient, from the northeast to the southwest.

A conceptual hydrogeologic model for the Site has been developed and includes two hydrogeologic units: the shallow unconsolidated unit and the shallow bedrock unit. The shallow unconsolidated unit is composed of fill material and glaciofluvial deposits and has a thickness ranging from 1.0 to 29.2 feet. The shallow bedrock hydrogeologic unit at the Site is part of the Syracuse-Camillus formation and consists of interbedded shale and limestone. The depth to the top of the shallow bedrock hydrogeologic unit ranges from 16.5 to 31 feet bgs.

Ground water flow in the western and central portions of the Site is generally to the west toward a buried channel deposit and to the south toward the Clyde River. Ground water in the southeastern margin of the Site flows to the south-southwest toward the Clyde River and does not appear to be influenced by the buried channel.

In the areas north of the Clyde River, ground water flow within the shallow bedrock unit is generally to the southwest and occurs principally through secondary porosity features such as fractures, joints and bedding planes. South of the Clyde River, shallow bedrock ground water flow is generally to the northeast.

2.4.2. Nature and extent of contamination

VOCs are the dominant, if not the only, contaminants of concern at the Site. The primary VOCs detected were trichloroethene (TCE) and its degradation products [i.e., *cis*-1,2-dichloroethene (*cis*-1,2-DCE) and vinyl chloride], toluene, and xylenes. Other VOCs detected during the RI were generally detected at the same locations as the primary VOCs and at lower concentrations. Most of the VOC detection is limited to the vicinity of the former barge turnaround and its confluence with the Old Erie Canal. No contaminants of concern were detected in any of the samples collected from the wells installed on the south side of the Barge Canal.

The concentrations of VOCs in the shallow bedrock ground water are the greatest at well location MW-4B. The source of the VOCs to shallow bedrock ground water appears to be from the areas where the glacial till unit is absent beneath the glaciofluvial channel located along the western portion of the Site.

There is strong evidence indicating natural processes are attenuating the VOC contaminants at the Site. The primary pathway for natural attenuation appears to be biodegradation. In addition, physical processes including advection, dispersion, sorption, and volatilization may also be contributing to the overall attenuation.

2.4.3. VOCs in storm water

VOCs were detected in storm water discharging to catch basin CB-3. An IRM has been completed to address this discharge. The IRM was completed in November 2003 and included plugging and abandoning the lines leading into CB-3, and redirecting surface run off towards the PVC storm sewer pipes installed in 1971.

2.4.4. Constituents in surface water

Analysis of the surface water samples indicates that the only VOCs detected above the standards for Class C surface waters were tetrachloroethene (PCE) and TCE at locations SW-8 and SW-9. These two sample locations are located near catch basin CB-3, which prior to completion of the IRM, received VOC impacted ground water via storm drain Lines 3 and 4.

Consistent with the results for ground water at the Site, no PCBs, cyanide, or pesticides were detected in any of the surface water samples collected from the Site.

2.4.5. Constituents in sediment and surface soil

Analysis of a surface soil sample obtained from the adjacent residential property to the west of the Site indicates that no VOCs are present in the surface soil.

To compare sediment conditions at and downgradient of the Site, two background/upgradient samples (SED-1 and SED-2) were obtained from the unfilled portion of the Old Erie Canal located east of the Site. The sediment samples collected from upstream locations SED-1 and SED-2 were used to establish background conditions of the Old Erie Canal for each parameter. Chemicals detected at levels that are consistent with "background" concentrations for the area show no indications that the chemical's presence is related to activities at the Site.

VOCs were detected in sediment samples located down stream of catch basin CB-3. One or more of the primary VOCs (i.e., *cis*-1,2-DCE, TCE and vinyl chloride) are detectable in the Old Erie Canal west of the Site.

2.4.6. Constituents in subsurface soils

VOCs are the dominant, if not the only, contaminants of concern in subsurface soils at the Site. Elevated concentrations of VOCs occur in the areas west, and south of the manufacturing building and near the filled in portion of the former barge turnaround. The highest concentrations of VOCs occur in the vicinity of the former barge turnaround and the area in the vicinity of the former barge turnaround and its confluence with the Old Erie Canal.

With the exception of one pesticide, Dieldrin, which was detected at background sample location GP-7 at a concentration above the NYSDEC TAGM #4046 soil screening value, no PCBs or pesticides were detected in the subsurface soil samples collected from the Site.

2.4.7. Risk assessment

Human Health Risk Assessment

A qualitative Human Health Risk Assessment (HHRA) was performed for the Site to evaluate the potential sources, locations, and types of environmental releases with population locations and activity patterns to determine the significant pathways of human exposure. The results of the HHRA suggest that complete exposure routes exist for areas of the Site. Identified exposure pathways will be addressed in the feasibility study.

Based on the available surface water data from the Barge Canal (Clyde River), residential exposure to surface water of the Clyde River is considered an incomplete pathway.

Fish and Wildlife Impact Analysis

Step IIB of the FWIA Guidance was performed for this assessment. Ecological receptors are unlikely to utilize the terrestrial portions of the Site due to the lack of and/or poor quality habitat. A palustrine habitat, the former Barge Canal turnaround, exists at the western border of the Site. This Phragmites-dominated area provides limited habitat for foraging and resting for terrestrial and semi-aquatic receptors. There are no state-regulated wetlands or NWI wetland habitats on the Site. Aquatic areas do not exist on-site.

The northern portion of the Study Area is developed and consists of residential and light commercial areas which prevent or limit use by transient or residential wildlife species. The southern portion of the Study Area consists largely of cropland, which provides little fish and wildlife resource value. The cropland areas are interspersed with natural covertypes including successional northern hardwood forests, freshwater wetland, and open water areas that provide appropriate habitat for a variety of fish and wildlife species. The Clyde River/Barge Canal dissects the center of the Study Area and likely contains appropriate habitat for a variety of small mammal, avian, reptilian, amphibian and fish species. There are no state-regulated wetlands or NWI wetland habitats in the Study Area.

The USFWS has indicated that no Federally listed or proposed endangered or threatened species are known to exist in the Study Area.

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3. On-site investigation

3.1. General

This section describes the procedures followed while performing the tasks associated with the on-site sub-slab investigation presented in the RI/FS Work Plan Addendum No. 1 and the supplemental scope of work presented in Amendment No. 1 to the RI/FS Work Plan Addendum No. 1.

3.2. Sub-slab soil gas investigation

The objective of the sub-slab soil gas investigation is to evaluate the potential for intrusion of VOC contaminated soil gas into the manufacturing building. Based on the results of previous investigations performed at the site no site-related VOCs have been detected in the northeastern portion of the Site. The sub-slab soil gas investigation was initially proposed to focus on the areas of the building where historical manufacturing activities had taken place. However, based on comments from the NYSDEC and the NYSDOH, the proposed investigation was extended to include the entirety of the building, including the area used as office space.

As shown on Figure 3-1, a total of twenty-seven sub-slab soil gas samples were collected from under the manufacturing building using a nominal spacing of 50 feet. The sub-slab soil gas investigation involved the installation of temporary subsurface probes and the subsequent collection of sub-slab soil gas samples.

3.2.1. Selection and preparation of sample collection points

Observations regarding the condition of the building floor slab for apparent penetrations such as concrete floor cracks, floor drains, or sump holes were made, however, most floor drains have been abandoned and the slab was in generally good condition. The indoor air in the area of the proposed sample points was also screened using a portable photoionization detector (PID). PID measurements were also made of floor cracks, drains and sump holes. The indoor air PID readings and floor conditions at each location were recorded in the field notes.

Each proposed location was reviewed with Parker-Hannifin personnel to determine if sub-slab utilities were present or if nearby manufacturing equipment would be affected by the sampling procedure. Several sample locations were relocated when sub-slab utilities or obstructions were encountered or if the sampling procedure had the potential to impact

manufacturing operations. After receiving permission from Parker-Hannifin, each proposed location was marked and described in the field notes.

3.2.2. Temporary sub-slab probe installation

As shown on Figure 3-1 a total of twenty-seven temporary subsurface probes (SG-1 to SG-27) were installed on August 1, 2004. The procedures used to install the temporary sub-slab sampling points are described below:

- A 1-inch diameter hole was drilled about 1 to 2 inches into the concrete slab using an electric hammer drill

- The hole was extended through the remaining thickness of the slab using a ½-inch drill bit, as the $^{3}/_{8}$-inch bit proposed in the work plan was of insufficient length to penetrate some areas of the slab. The hole was extended about three inches into the sub-slab material using either the drill bit or a steel probe rod.

- In order to prevent the cross-contamination of sub-slab and indoor air, the completed holes were temporarily plugged with laboratory-grade rubber stoppers until sample collection was initiated..

3.2.3. Sub-slab soil gas sampling and analysis

Following the installation of the temporary subsurface probes, sub-slab soil gas samples were collected from each location between August 2 and 4, 2004. The sub-slab soil gas samples were collected over a 4-hour time period utilizing certified-clean, stainless steel 6-liter SUMMA canisters. The required sampling rate was maintained by laboratory-calibrated, constant differential, low-volume flow controllers. Sampling locations were screened for possible organic vapors using a portable PID during the soil gas sampling activities.

Sample identifications, SUMMA canister identification numbers, flow controller identification numbers, initial and final vacuum readings, time of sample collection, and PID readings were documented for each soil gas sample on the individual sampling forms.

The procedures used to collect the sub-slab soil gas samples are described briefly below:

- Based on the thickness of the slab recorded during drilling, a predetermined length of $^{3}/_{8}$-inch outer diameter (OD) laboratory-grade polyethylene tubing was inserted through a tapered, laboratory-grade rubber stopper to a point that would allow the tubing to penetrate the floor slab and extend slightly into the sub-slab space. After the stopper and tubing were firmly placed in the pilot hole, the tubing/stopper annulus and the stopper/floor junction

were sealed with molten beeswax to prevent short circuiting of ambient air into the sample space.

- The ambient indoor air in the area of the sample point was screened using a PID. Ambient air in the sample tubing was evacuated using a syringe or hand-operated vacuum pump, and the sub-slab soil gas was screened using the PID. PID readings were recorded in the field notes.

- The flow controller was attached to the SUMMA canister, and the canister identification number and flow controller serial number were recorded on the sampling form. The use of $^{3}/_{8}$-inch OD laboratory-grade polyethylene tubing facilitated the direct connection of the sample tubing to the ¼-inch OD inlet of the calibrated flow controllers without the need for additional connections. The tubing was tightly sealed to the flow controller inlet using a geared clamp.

- The inlet valve on the flow controller was opened and the time at the start of sampling was recorded. The initial vacuum present in the canister as indicated on the flow controller gauge, and also on the canister gauge, if equipped, was recorded.

- During the 4-hour sample collection period the condition of the equipment was periodically checked to ensure the integrity of the sample collection process.

- At the end of the 4-hour period, the final vacuum remaining in the canister as indicated on the flow controller gauge, and that indicated on the canister gauge, if equipped, was recorded. The inlet valve on the flow controller was closed and the time at the end of sample collection was recorded.

- The clamp was loosened and the sample tubing was disconnected from the SUMMA canister. The sample tubing and stopper were pulled from the hole, the remaining beeswax scrapped off, and the hole temporarily resealed with a rubber laboratory stopper.

- The flow controller was then disconnected from the SUMMA canister, and the sample canisters were packaged for shipment.

The air samples were submitted to Severn Trent Laboratory located in Burlington Vermont (STL Burlington) for VOC analysis using United States Environmental Protection Agency (USEPA) Method TO-15. Chain-of-custody documentation was maintained daily following procedures in the NYSDEC-approved SAP. Each SUMMA canister was labeled with sample identification, the start and end time of sample collection, date, project identification and required laboratory analysis. The same information was recorded in the field notes. Section 5.1 presents the results of the sub-slab soil gas sampling.

3.3. Sub-slab soil and ground water investigation

Based on the results of the sub-slab soil gas sampling and analysis conducted in August 2004, a sub-slab soil and ground water investigation was performed. The purpose of this investigation was to evaluate the potential impact of historical operations, on soil and groundwater, beneath the manufacturing building. The sub-slab soil and ground water investigation involved the installation of soil borings and temporary monitoring wells at eleven locations. Drilling and temporary well installation activities were performed by Parratt-Wolff, Inc. of East Syracuse, New York. An O'Brien & Gere geologist supervised the soil boring and temporary monitoring well installation activities.

3.3.1. Selection of sub-slab sampling locations

As shown on Figure 3-1, eleven test borings (i.e., SSB-1 to SSB-11) were advanced through the slab of the manufacturing building between January 12 and 14, 2005. Three test borings were located in the vicinity of soil gas sample locations SG-9, SG-13 and SG-18, where high concentrations of VOCs were detected. The remaining eight test borings were distributed within the remaining portions of the building.

3.3.2. Drilling and temporary well installation program

Soil borings were advanced through the slab of the manufacturing building using a mobile monopod drill rig with a motorized cathead. Prior to advancing the soil boring, an 8-inch outside diameter (OD) pilot hole was drilled through the slab with a concrete core drill. The bore hole was further advanced using a 2-inch OD split-barrel sampler. Split spoon samples were obtained continuously at 2-foot intervals from the ground surface down to the top of the glacial till unit or until refusal was encountered. Upon recovery, a representative sample from each split spoon was transferred to a glass jar, immediately covered with aluminum foil and a screw-on cap, and allowed to equilibrate to the ambient air temperature. The headspace was then analyzed for total VOCs using a calibrated PID.

Soil samples were logged in the field by the supervising geologist using the Modified Burmister and Unified Soil Classification Systems. In addition to logging the geologic descriptions, observations including soil sample texture, composition, color, consistency, moisture content, sample recovery, PID readings and any noticeable odors or stains were recorded by the geologist. The soil boring logs are included in Appendix A.

3.3.3. Subsurface soil sampling program

In conjunction with the soil boring program one subsurface soil sample was collected from each soil boring and submitted to Columbia Analytical Services of Rochester, New York (Columbia Analytical) for analysis using USEPA SW-846 Method 8260B. The sample interval submitted for laboratory analysis was the interval that either visually exhibited contamination (i.e., oils and/or sheens), or exhibited the highest concentration of VOCs as indicated by field screening observations (i.e., PID measurements).

Field quality assurance/quality control (QA/QC) procedures included the collection of blind field duplicate and matrix spike/matrix spike duplicate (MS/MSD) samples at a rate of one per twenty environmental samples.

Each soil sample was placed in a cooler containing wet ice immediately after sampling. New nitrile gloves were donned prior to collection of each soil sample. Field notes, including weather conditions, sampling time and depth and sample identification details were recorded in a project dedicated field notebook. Chain-of-custody documentation was maintained daily in accordance with the NYSDEC-approved SAP. The results of the subsurface soil sample analyses are described in Section 5.2.

3.3.4. Ground water sampling

At the completion of each soil boring, a temporary monitoring well was installed. Temporary monitoring wells were constructed of 1-inch ID, flush joint, schedule 40 polyvinyl chloride (PVC) riser pipe with a five foot length of 0.010-inch slot well screen placed at the bottom of the borehole.

Following placement of the PVC well screen and riser pipe, a ground water sample was collected using a peristaltic pump and a new length of Tygon® tubing. The ground water samples were submitted to Columbia Analytical for VOC analysis using USEPA SW-846 Method 8260B. Ground water samples were not collected at locations SSB-1 and SSB-2 due to a lack of ground water.

Field QA/QC procedures included the collection of blind field duplicate and MS/MSD samples at a rate of one per twenty environmental samples. Trip blanks were included with each cooler that contained samples for VOC analysis.

New nitrile gloves were donned prior to collection of each ground water sample. The sample containers were labeled with the sample identification, date, time, project identification, and required laboratory analysis. The same information was recorded in the field notes. Each ground water sample was placed in a cooler containing wet ice immediately following collection. Chain-of-custody documentation was maintained daily following procedures in the NYSDEC-approved SAP.

The results of the ground water sampling investigation are described in Section 5.2.

Following completion of the soil and ground water sampling activities each boring and slab cutout was backfilled to floor level with a cement-bentonite grout mixture.

3.4. Building survey, visual inspection and diagnostic communication testing

The results of the sub-slab soil gas sampling and analysis conducted in August 2004 indicated elevated concentrations of several VOCs in samples obtained from under the manufacturing building at the Site. To evaluate potential remedial measures that could address the concentrations of VOCs, a building survey, visual inspection, and sub-slab diagnostic communication testing were performed.

3.4.1. Visual inspection/building survey

The building survey and visual inspection reviewed the general construction of the accessible and visible below-grade and on-slab portions of the interior of the structure. The survey and inspection attempted to identify features that may allow vapor entry into the area, any potential asbestos-containing materials (ACMs), and potential electrical supply issues. The building survey also sought to determine if a backdraft condition existed on any of the active combustion and/or air handling devices within the manufacturing spaces.

3.4.2. Diagnostic communication testing methodology

Preliminary diagnostic (communication) testing was performed in conformance with the EPA guidance for "qualitative assessment of a suction field extension." Communication testing involved the following:

- application of suction through a hole in the slab,
- measurement of the sub-slab depressurization, and
- observation of the movement of smoke at smaller holes drilled in the slab at various locations separated from the central suction hole.

As shown on Figure 3-3, forty-three Communication Test Suction Holes (CTSH) and seventy-two Communication Test Points (CTP) were drilled into the concrete slab. Winter heating and normal manufacturing operation conditions were simulated during the diagnostic testing process. To accomplish this, all operational gas appliances, ventilation hoods, and other negative pressure inducing apparatus in the

manufacturing building were operating at the time of the test, and windows and doors were closed to simulate worst-case conditions.

The suction source for this project was a commercial shop vacuum unit. The shop vacuum develops a higher suction but lower airflow rate compared to typical exhaust fans in order to obtain a relatively instantaneous reading for the communication test. This procedure conforms to the EPA guidance documents and provides input to assess whether a structure has relatively good or poor communication, and how uneven the communication may be. A six-horsepower shop vacuum was alternately used at each CTSH.

Where appropriate, visible cracks and/or slab deformities that could allow air movement through the slab were temporarily sealed prior to performance of the communication test.

During the application of sub-slab suction, a micromanometer differential pressure reading was taken with and without the vacuum source being applied. Each set of differential pressure readings was evaluated at the time of the testing and a preliminary interpretation of the readings and possible variables were recorded in the field notes. A second indicator of communication was the movement of smoke down into the test hole during the application of suction. Smoke testing was also conducted at concrete slab penetrations and expansion joints to check for leaks in the system.

After testing was completed, all test holes were sealed with Geocel® 3300 construction-grade polyurethane sealant.

3.5. Handling of investigation derived waste

The supplemental RI activities produced Investigation Derived Materials (IDM) that required appropriate management procedures. The various IDM included drill cuttings, ground water, drilling and sampling equipment decontamination fluids, sediments, and personnel protective equipment (PPE). The handling procedures for the IDM are discussed below.

3.5.1. Drill cuttings

Drill cuttings derived from the overburden and sub-slab drilling were placed in 55-gallons steel drums. Each drum was labeled with the appropriate borehole identification(s), the dates on which the cuttings were generated, and a description of the type of waste (i.e., drill cuttings). In accordance with the NYSDEC-approved RI/FS Work Plan, Parker-Hannifin arranged for or will be arranging for the off-site disposal of the drill cuttings at a permitted facility.

3.5.2. Ground water

Ground water produced during purging and sampling activities was containerized in 55-gallon steel drums. Each drum was labeled with the appropriate monitoring well identification(s), the dates on which the ground water were generated, and a description of the type of waste (i.e., development or purge water).

Based on the analytical results from the investigation, Parker-Hannifin arranged for or will be arranging for the final disposal of the ground water in accordance with the NYSDEC-approved RI/FS Work Plan.

3.5.3. Decontamination fluids, sediment, PPE and associated debris

Liquid/solid mixtures generated during equipment decontamination and diagnostic communication testing were temporarily stored in 55-gallon drums until solids had settled. The water was then transferred into drums containing similar fluids, appropriately labeled and temporarily stored on site. The settled solids were also transferred into drums containing similar materials, labeled and temporarily stored on site. In accordance with the NYSDEC-approved RI/FS Work Plan, Parker-Hannifin arranged for or will be arranging for the characterization and subsequent off-site disposal of this IDM.

Used PPE and other associated debris (polyethylene sheeting, sample tubing, etc.) were containerized in 55-gallon steel drums, labeled and temporarily stored on site. In accordance with NYSDEC-approved RI/FS Work Plan, Parker-Hannifin performed characterization and subsequent off-site disposal of these materials.

4. Off-site investigations

4.1. General

This section describes the procedures followed while performing the tasks associated with the off-site investigation presented in the RI/FS Work Plan Addendum No. 1.

4.2. Installation of temporary monitoring wells/soil gas sampling points

The objective of the installation of off-site temporary monitoring wells is to obtain additional ground water quality data in the shallow unconsolidated unit in the vicinity of Columbia Street, and to confirm previous ground water quality data obtained from the residential property located west of the Site. Drilling and temporary well installation activities were performed by Zebra Environmental Corporation of Niagara Falls, New York. An O'Brien & Gere geologist supervised the soil boring and temporary monitoring well installation activities.

As shown on Figure 3-2, a total of seven (GP-1A to GP-7A) direct push soil borings were installed on August 2, 2004. The direct push sampling technique utilizes a 1½ inch ID stainless steel Macrocore sampler lined with a polyethylene sleeve to collect soil samples with minimal disturbance. Macrocore samples were obtained continuously at four foot intervals from ground surface down to the top of the glacial till unit or until refusal was encountered. Upon recovery, a representative sample from each macrocore was transferred to a glass jar, immediately covered with aluminum foil and a screw-on cap, and allowed to equilibrate to the ambient air temperature. The headspace was then analyzed for total VOCs using a calibrated PID.

Soil samples were logged in the field by the supervising geologist using the Modified Burmister and Unified Soil Classification Systems. In addition to logging the geologic descriptions, observations including soil sample texture, composition, color, consistency, moisture content, sample recovery, PID readings and any noticeable odors or stains were recorded by the geologist. The soil boring logs are included in Appendix B.

4.2.1. Ground water sampling

At the completion of each soil boring, a temporary monitoring well was installed. Temporary monitoring wells were constructed of 1-inch ID, flush joint, schedule 40 PVC riser pipe with a five foot length of 0.010-

inch slot well screen placed at the bottom of the borehole. The annular space at the ground surface was sealed using bentonite paste to prevent surface water from entering the borehole.

Following placement of the PVC well screen and riser pipe, a ground water sample was collected using a new disposable PVC bailer. The ground water samples were submitted to STL Burlington for VOC analysis using USEPA SW-846 Method 8260B. Ground water samples were not collected at locations GP-5A and GP-6A due to a lack of ground water.

New nitrile gloves were donned prior to collection of each ground water sample. The sample containers were labeled with the sample identification, date, time, project identification, and required laboratory analysis. The same information was recorded in the field notes. Each ground water sample was placed in a cooler containing wet ice immediately following collection. Trip blanks were included with each cooler that contained samples for VOC analysis. Chain-of-custody documentation was maintained daily following procedures in the NYSDEC-approved SAP.

Following completion of the ground water sampling activities each boring was backfilled to ground level with bentonite. The results of the ground water sampling investigation are described in Section 5.3.

4.2.2. Soil gas sampling

As discussed above, ground water samples were not collected at locations GP-5A and GP-6A due to a lack of ground water. Therefore, in accordance with the Work Plan Addendum, the soil borings at locations GP-5A and GP-6A were converted into soil gas sampling points. Soil gas samples were subsequently obtained at these two locations.

The procedures used to collect the off-site soil gas samples are described briefly below:

- Discrete samples of soil gas were collected using a dedicated soil gas sampling implant. Dedicated sampling implants were installed at a depth of one foot above the top of till (as determined by soil boring refusal in till) or at a maximum depth of 8 feet below ground surface. A dedicated length of sampling tubing was attached to the sampling implant, and a sand filter pack was installed in the annular space to a depth of approximately one foot above the top of the screened portion of the implant. The annular space above the filter pack, between the sampling tube and the borehole wall, was then sealed with a bentonite mixture to prevent migration of ambient air into the borehole.

- The ambient air in the area of the sample point was screened using a PID. Ambient air in the sample tubing was evacuated using a hand-

operated vacuum pump. PID readings were recorded in the field notes.

- The flow controller was attached to the SUMMA canister, and the canister identification number and flow controller serial number were recorded on the sampling form. The sampling tubing was attached to the calibrated flow controller, and the tubing was tightly sealed to the flow controller inlet using a geared clamp.

- The inlet valve on the flow controller was opened and the time at the start of sampling was recorded on the sampling form. The initial vacuum present in the canister was recorded from the flow controller gauge, and also from the canister gauge, if equipped.

- During the 4-hour sample collection period the condition of the equipment was checked to ensure the integrity of the sample collection process.

- At the end of the 4-hour period, the final vacuum remaining in the canister as indicated on the flow controller gauge was recorded, and that indicated on the canister gauge, if equipped. The inlet valve on the flow controller was closed, and the time at the end of sampling was recorded in the field notes.

- The clamp was loosened and the sample tubing was disconnected from the SUMMA canister. The sample tubing was cut, plugged, folded, and buried beneath the native soil.

- The flow controller was then disconnected from the SUMMA canister, and the canister was packaged for shipment using accepted chain-of-custody procedures.

The results of the soil gas sampling are described in Section 5.3.

4.3. Confirmation ground water sampling

To confirm the northwestern and western extent of VOCs in ground water at the site, ground water samples were collected from existing monitoring wells MW-8S and MW-9S in conjunction with the ground water samples being collected from the temporary monitoring wells.

Prior to the collection of the ground water samples, ground water and surface water elevation data was obtained from all accessible monitoring locations. Based on the ground water elevation data, a overburden ground water flow map was constructed to confirm the general ground water flow direction at the Site. As shown on Figure 4-1, the data indicated a flow pattern and gradient that are consistent with the previous ground water flow.

On August 3, 2004 ground water samples were collected from monitoring wells MW-8S and MW-9S. To collect representative ground water samples, each monitoring well was purged prior to sampling. The monitoring wells were purged using the procedures described in the NYSDEC-approved SAP.

The ground water samples were collected using dedicated HDPE tubing, and transferred into the appropriate sample containers. The sample containers were labeled with the sample identification, date, time, project identification, and required laboratory analysis. The same information was recorded in the field notes. Each ground water sample was then placed in a cooler containing wet ice immediately after sampling.

The ground water samples were submitted to STL Burlington for VOC analysis using USEPA SW-846 Method 8260B. New nitrile gloves were donned prior to collection of each ground water sample. A trip blank was included in each shipment of samples to the laboratory, and chain-of-custody documentation was maintained following procedures outlined in the NYSDEC-approved SAP.

The results of the ground water sampling investigation are described in Section 5.3.

4.4. Residential sampling program

The proposed investigation also included the sampling of basement sump water at the residential property located at 170 Columbia Street. O'Brien & Gere and Parker Hannifin personnel conducted an interview of the homeowner and the basement was inspected and monitored for potential vapors using portable equipment.

In accordance, with Section 3.4.4. of the Work Plan Addendum, indoor air samples were not collected at the residence because no VOCs were detected in the sump water.

4.4.1. Basement sump sampling

On August 2, 2004, an overburden ground water sample was collected from the basement sump. The water sample was collected as a grab sample, filled directly into unpreserved 40-milliliter glass vials with Teflon-lined plastic screw caps. The sample containers were labeled with the sample identification, date, time, project identification, and required laboratory analysis. The same information was recorded in the field notes. The ground water sample was then placed in a cooler containing wet ice immediately after sampling.

The ground water sample was submitted to STL Burlington for VOC analysis using USEPA SW-846 Method 8260B. New nitrile gloves were donned prior to collection of the ground water sample. A trip blank was

included in each shipment of samples to the laboratory, and chain-of-custody documentation was maintained daily following procedures outlined in the NYSDEC-approved SAP.

The results of the sump water sampling investigation are described in Section 5.3.

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5. Results

The analytical results for the sub-slab soil gas, off-site soil gas, soil, ground water, and sump water samples collected during this RI Addendum No. 1 are presented in the following sections. In addition, the results of the diagnostic communication testing are presented in Section 5.4.

5.1. Sub-slab soil gas sampling results

As described in Section 3.2, soil gas samples were obtained from twenty-seven sampling points located beneath the building slab between August 2 and 4, 2004. The sample locations are shown on Figure 3-1. Table 5-1 presents a summary of the VOCs detected in the sub-slab soil gas samples at each location. The laboratory reporting forms for the sub-slab soil gas analyses are provided in Appendix C.

As shown on Table 5-1, TCE was detected in each of the twenty-seven soil gas samples at concentrations ranging from 81 $\mu g/m^3$ in SG-2 to 75,000 $\mu g/m^3$ in SG-27. The second highest TCE concentration of this sampling event (54,000 $\mu g/m^3$) was detected at sample SG-18.

The common biodegradation products of TCE were also detected in the sub-slab samples. *Cis*-1,2-DCE was detected in twenty-four of twenty-seven sub-slab soil gas samples at concentrations ranging from 5.6 $\mu g/m^3$ at SG-15 to 17,000 $\mu g/m^3$ at SG-27. *Trans*-1,2-DCE was detected in fourteen of the twenty-seven samples at concentrations ranging from 4.0 $\mu g/m^3$ at SG-15 to 950 $\mu g/m^3$ at SG-16 and SG-27.

PCE, also a chemical of concern (COC) in historical Site sampling results, was detected in ten of the twenty-seven samples at concentrations ranging from 8.8 $\mu g/m^3$ at SG-17 to 2,600 $\mu g/m^3$ at SG-12.

Ethylbenzene was detected at concentrations ranging from 18 $\mu g/m^3$ at SG-25 to 2,700 $\mu g/m^3$ at SG-8 in thirteen of twenty-seven sub-slab samples. 1,1,1-Trichloroethane was detected in eleven samples at concentrations ranging from 7.1 $\mu g/m^3$ at SG-17 to 370 $\mu g/m^3$ at SG-8. Benzene was detected in three samples at concentrations ranging from 4.5 $\mu g/m^3$ at SG-17 to 26 $\mu g/m^3$ at SG-5.

Several additional VOCs were infrequently detected, including carbon tetrachloride at 6.9 $\mu g/m^3$ in SG-15; and methylene chloride at 120 $\mu g/m^3$ in SG-1. Freon TF was also detected in ten of the twenty-seven samples at concentrations ranging from 14 $\mu g/m^3$ at SG-25 to 490 $\mu g/m^3$ at SG-23.

5.2. Sub-slab soil and ground water sampling results

As described in Section 3.3, between January 12 and 14, 2005, soil and ground water samples were collected from eleven locations (SSB-1 to SSB-11) to characterize the sub-slab soil and ground water conditions at the Site. The sample locations are shown on Figure 3-1. Tables 5-2 and 5-3 present a summary of the VOCs detected in the sub-slab soil and ground water samples, respectively. The laboratory reporting forms for the sub-slab soil and ground water analyses are provided in Appendix D and E, respectively.

5.2.1. Sub-slab soil sampling results

As shown on Table 5-2, TCE was detected in each of the eleven sub-slab soil samples. The common biodegradation product of TCE, *cis*-1,2-DCE was also detected in ten of the eleven samples. *Trans*-1,2-DCE and vinyl chloride were detected in six of the eleven soil samples. PCE was detected in four of the eleven soil samples. Additional VOCs detected in the sub-slab soil samples, include, acetone, 2-butanone, carbon disulfide, 1,1-dichloroethane, 1,1-dichloroethene, ethylbenzene, methylene chloride, toluene, and xylenes.

The compounds detected at concentrations exceeding NYSDEC TAGM #4046 soil cleanup objectives, include, TCE, *cis*-1,2-DCE, vinyl chloride and acetone. TCE was detected above cleanup objectives in SSB-7 and SSB-8 at concentrations of 130,000 µg/kg and 6,200 µg/kg, respectively. *Cis*-1,2-DCE was detected above cleanup objectives in SSB-3, SSB-6, SSB-7 and SSB-8 at concentrations ranging from 680 µg/kg to 10,000 µg/kg. Vinyl chloride was detected above cleanup objectives in SSB-6 and SSB-3 at concentrations of 210 µg/kg and 560 µg/kg, respectively. Acetone was detected above cleanup objectives in SSB-3 and SSB-9 at concentrations of 630 µg/kg and 320 µg/kg respectively.

5.2.2. Sub-slab ground water sampling results

A total of nine ground water samples were collected from eleven temporary wells as part of the sub-slab ground water sampling program. Ground water samples were not collected from locations SSB-1 and SSB-2 due to a lack of ground water. As shown on Table 5-3, the analytical results with concentration values exceeding NYSDEC ground water standards and/or criteria are in bold type.

As shown on Table 5-3, TCE and/or its degradation products were detected in all ground water samples collected from beneath the slab of the Parker Hannifin facility. The compounds detected at concentrations above the NYSDEC ground water standards and/or criteria include, TCE, *cis*-1,2-DCE, *trans*-1,2-DCE, vinyl chloride, 1,1-dichloroethene and

toluene. TCE was detected above standards at all nine locations at concentrations ranging from 7.2 µg/L at SSB-9 to 580,000 µg/L at SSB-7. With the exception of SSB-9, *cis*-1,2-DCE was detected above standards in each ground water sample at concentrations ranging from 31 µg/L at SSB-4 to 73,000 µg/L at SSB-7. *Trans*-1,2-DCE was detected above standards in three of the nine locations at concentrations ranging from 5.1 µg/L at SSB-3 to 35 µg/L at SSB-6. Seven of the nine locations had concentrations of vinyl chloride above standards ranging from 6.6 µg/L at SSB-5 to 1,900 µg/L at SSB-6. 1,1-dichloroethene was detected above standards in ground water sample SSB-6 (34 µg/L). Toluene was detected above standards in SSB-7 at 1,100 µg/L and SSB-8 at 19 µg/L.

5.3. Off-site soil gas and ground water sampling results

5.3.1. Soil gas sampling results

As noted in Section 4.2.2, ground water samples were not collected at locations GP-5A and GP-6A due to a lack of water, therefore, each temporary monitoring well was converted into a soil gas sampling point. On August 3 and 4, 2004, soil gas samples were collected from GP-5A and GP-6A. The sample locations are shown on Figure 3-2.

TCE was detected at a concentration of 70 µg/m^3 in GP-5A and 75 µg/m^3 in GP-6A. *Cis*-1,2-DCE was detected at a concentration of 3.3 µg/m^3 in GP-6A and 4.4 µg/m^3 in GP-5A. PCE was detected at a concentration of 6.8 µg/m^3 in GP-6A. Ethylbenzene was detected at a concentration of 3.5 µg/m^3 in GP-6A and 65 µg/m^3 in GP-5A, and benzene at a concentration of 4.5 µg/m^3 in GP-6A and 58 µg/m^3 in GP-5A.

The analytical results are included on Table 5-4. The laboratory reporting forms for the ground water quality analyses are provided in Appendix F.

5.3.2. Ground water sampling results

On August 2 and 3, 2004 ground water samples were obtained from five temporary monitoring wells (GP-1A, GP-2A, GP-3A, GP-4A and GP-7A), two overburden monitoring wells (MW-8S and MW-9S), and the basement sump (Cole Sump) of the adjoining residence. The sample locations are shown on Figure 3-2.

None of the ground water samples contained VOC concentrations above the NYSDEC ground water standards and/or criteria. As noted on Table 5-5, acetone, benzene, carbon disulfide, toluene and/or xylenes were detected below standards or criteria at MW-8S, MW-9S, GP-2A, GP-3A, GP-4A and GP-7A. The laboratory reporting forms for the ground water quality analyses are provided in Appendix G.

5.4. Building survey, visual inspection and diagnostic communication testing

5.4.1. Visual inspection/building survey

The results of the building inspection and building survey indicate that with the exception of a few minor items, the general construction of the structure should not present significant design limitations in the event a remedial measure is required to address the concentration of VOCs under the building.

Features identified that may need to be addressed include the building wall construction and a few localized areas that have the potential to contain asbestos containing material. The building walls are mainly constructed of open-top concrete blocks. The walls may allow vapor entry and will need to be sealed if a sub-slab depressurization system is to be installed.

5.4.2. Diagnostic communication testing results

The results of the diagnostic communication testing were documented on a communication test data form. This documentation also included a qualitative assessment of good, marginal, or poor sub-slab communication.

The qualitative assessment is based on the criteria presented on the following table.

Qualitative communication	Micro-manometer depressurization reading
Good	-0.016″ or more wg
Marginal	-0.008″ to <-0.016″ wg
Poor	-0.004″ to <-0.008″ wg
Unacceptable	<-0.004″ wg

Source: O'Brien & Gere Engineers, Inc.

The communication test results are shown in Table 5-6. The relative quality of communication between vacuum and measurement points is shown graphically on Figure 5-1; arced borders represent approximate vacuum influence boundaries. CTSH holes that could not penetrate the concrete are included to show areas where the concrete thickness is greater than one foot or three feet as noted.

An approximate breakdown of the total building area as it relates to communication results is:

48,369 sq.ft.	Acceptable communication
2,919 sq.ft.	Unknown communication
5,938 sq.ft.	Poor communication

As shown above, approximately 85% of the building floor space has acceptable communication, and approximately 10 % of the building floor space has poor communication. The areas with poor communication include the packaging area, the cafeteria and office areas. Additional investigation in these areas may result in an increase in the amount of area with acceptable communication.

As shown on the above table, approximately 5% of the building were not evaluated. These areas include the shipping and receiving overhead door area, the product support trailer to the south, the transformer / electrical controls room south of the center of the building, and the restrooms south of the center of the building (south of columns 7D & 8D). These areas either do not support occupancy for extended periods or were not evaluated to avoid drilling into sub-slab utilities. In the case of the product support trailer, a crawlspace exists under the trailer and would not be subject to sub-slab depressurization.

In addition to the diagnostic communication testing, winter heating conditions and the influence of the HVAC system were also evaluated during the diagnostic testing process. To accomplish this, CTSH 5 and CTSH 6 were used to test the influence of the HVAC system. Results are shown in the table below.

Test Location	HVAC Off	HVAC On Max Pressure
CTSH 5	-0.013" w.g.	-0.019" w.g.
CTSH 6	-0.002" w.g.	-0.004" w.g.

The results of this test indicate that operation of the HVAC system does not significantly influence the differential pressure between the sub-slab and indoor air space.

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6. Summary

The Old Erie Canal Site RI Addendum was implemented to address comments to the RI Report for the Old Erie Canal Site provided by the NYSDEC in a May 26, 2004 letter. The RI Addendum was conducted in accordance with the NYSDEC-approved RI/FS Work Plan Addendum No. 1 and Amendment No. 1 to the RI/FS Work Plan Addendum No. 1.

NYSDEC provided seven comments on the RI Report dated November 24, 2004. Responses to comments #1, #2 and #3 have been incorporated into Section 2 of this RI Addendum Report, as well as, Section 1.2 of the Work Plan Addendum. Responses to comments #4, #5, #6 and #7 are addressed below.

NYSDEC's comment #4 on the RI Report indicated that the discussion within the RI Report regarding sources of contamination should be expanded. In particular, NYSDEC requested that this discussion be expanded for the area of the barge turn-around and also for the area north of the turn-around and the areas immediately adjacent to the manufacturing building. As discussed in Section 2.4 of the RI Report, the data developed during the RI indicates that historic, unregulated releases of chemical compounds are likely to have occurred into the old Erie Canal by unknown entities and also during industrial operations that have historically taken place at the site. The data presented in this Addendum further supports the discussion contained in Section 2.4, and establishes the nature and extent of such releases so as to allow for the identification, screening and selection of remedial measures in a Feasibility Study.

In response to NYSDEC comment #5 on the RI Report, a sub-slab soil gas investigation was performed under the manufacturing building located on the Site. Concentrations of VOCs, including, TCE, *Cis*-1,2-DCE, *Trans*-1,2-DCE, and PCE were detected in the soil gas samples. The soil gas samples also contained concentrations of several other VOCs including ethylbenzene, 1,1,1-Trichloroethane, benzene, carbon tetrachloride, methylene chloride, and freon.

Based on the results of the sub-slab soil gas investigation and the subsurface investigations, Amendment No. 1 to the RI/FS Work Plan Addendum No. 1 was initiated. To evaluate potential remedial measures that could address the concentrations of VOCs, a sub-slab soil and ground water sampling program and a building survey, visual inspection, and sub-slab diagnostic communication testing program was performed.

Sub-slab soil samples obtained from borings SSB-3, SSB-6, SSB-7, SSB-8 and SSB-9 contained concentrations of VOCs exceeding NYSDEC TAGM #4046 soil cleanup objectives. Each sub-slab ground

water sample contained concentrations of VOCs above the NYSDEC ground water standards and/or criteria.

The results of the building inspection and building survey indicate that with the exception of a few minor items, the general construction of the structure should not present significant design limitations in the event a remedial measure is required to address the concentration of VOCs under the building. In addition, the building inspection revealed that Parker-Hannifin is in the process of applying an epoxy coating to the floor of the manufacturing area. According to Parker-Hannifin personnel, routine manufacturing and QA/QC protocols require that the manufacturing area floor space be epoxy coated on a routine basis. Although the epoxy coating program is not specifically intended to address to potential for vapors to migrate into the manufacturing area indoor air space, this procedure is expected to significantly reduce the potential that cracks and/or slab deformities could allow air movement through the slab.

The results of the sub-slab diagnostic communication testing of the main manufacturing area and office spaces showed good communication; overall about 85% of the facility examined showed acceptable communication, approximately 10% exhibited poor communication and 5 % of the building was not tested.

NYSDEC comment #5 on the RI Report also indicated that an inventory should be made of the chemicals present within the facility. This inventory was completed by Parker-Hannifin personnel and is included in Appendix H

In response to NYSDEC comments # 6 and #7 on the RI Report, an off-site investigation was performed to further evaluate the ground water quality north and west of the Site.

The results of the ground water sampling collected north of the Site along Columbia Street (i.e., GP-3A, GP-4A and GP-7A) indicate that no VOCs were detected above the NYSDEC ground water standards and/or criteria. The soil gas samples collected north of the Site (GP-5A and GP-6A) were found to contain concentrations of TCE, *Cis*-1,2-DCE, PCE, Ethylbenzene and benzene.

The results of the ground water sampling conducted west of the site (i.e., MW-8S, MW-9S, GP-1A and GP-2A) confirmed that VOCs are not present at concentrations above the NYSDEC ground water standards and/or criteria in ground water west of the Site. In addition, no VOCs were detected in the basement sump water sample collected from the adjoining residence.

The results of the supplemental off-site investigations confirms that site-related VOCs are not present at concentrations above NYSDEC ground water standards and/or criteria in ground water north of the Site along Columbia Street or west of the Site in the vicinity of the residential

structure. Based on this data, no further investigations or further evaluation is required for these areas.

The results of the RI and RI Addendum provide sufficient information to develop a Feasibility Study of remedial alternatives for the Site. The Feasibility Study should be conducted to evaluate remedial alternatives that address contamination on a Site wide basis, such that a remedy that eliminates significant threats to human health and the environment can be proposed for the Site.

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TABLES

Table 5-1
Sub-Slab Soil Gas Sample Results
August 2-4, 2004

Old Erie Canal Site
Clyde, New York

COMPOUND	*SG-1*	*SG-2*	*SG-3*	*SG-4*	*SG-5*	*SG-6*	*SG-7*
Freon TF	92	34	150 U	42	38 U	150 U	30
Methylene Chloride	120	8.7 U	69 U	6.9 U	17 U	69 U	8.7 U
cis-1,2-Dichloroethene	29	52	630	150	480	250	10 U
1,1,1-Trichloroethane	11 U	14 U	110 U	53	52	110 U	15
Carbon Tetrachloride	13 U	16 U	130 U	13 U	31 U	130 U	16 U
Benzene	6.4 U	8.0 U	64 U	6.4 U	26	64 U	8.0 U
Trichloroethene	700	81	3,100	540	1,700	3,200	340
Tetrachloroethene	14	17 U	140 U	25	140	140 U	17 U
Ethylbenzene	8.7 U	20	110 NJ	8.7 U	740	690	610
trans-1,2-Dichloroethene	7.9 U	22	310	19	59	79 U	9.9 U
1,2-Dichloroethene (total)	28	71	950	160	520	230	9.9 U

Notes:

1. All units in ug/m^3.
2. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
3. Volatile organic compounds quantitated by EPA TO-15
4. U designates compound was not detected at or above the quantitation limit shown.
5. NJ designates that the presense of an analyte that has been "tentatively identified" and the associated numerical value represents it's approximate concentration

Table 5-1
Sub-Slab Soil Gas Sample Results
August 2-4, 2004

Old Erie Canal Site
Clyde, New York

COMPOUND	*SG-8*	*SG-9*	*SG-10*	*SG-11*	*SG-12*	*SG-13*	*SG-14*
Freon TF	190 U	1,500 U	150	38 U	770 U	1,500 U	150 U
Methylene Chloride	87 U	690 U	35 U	17 U	350 U	790 U	69 U
cis-1,2-Dichloroethene	1,300	4,400	1,900	270	4,000	3,100	560
1,1,1-Trichloroethane	370	1,100 U	270	27 U	550 U	1,100 U	110 U
Carbon Tetrachloride	160 U	1,300 U	63 U	31 U	630 U	1,300 U	130 U
Benzene	80 U	640 U	32 U	16 U	320 U	640 U	64 U
Trichloroethene	8,100	46,000	3,200	1,600	17,000	36,000	6,400
Tetrachloroethene	180	1,400 U	95	120 J	2,600	1,400 U	140 U
Ethylbenzene	2,700	870 U	43 U	960 J	780	870 U	780
trans-1,2-Dichloroethene	99 U	790 U	40	33	400 U	790 U	130
1,2-Dichloroethene (total)	1,200	3,900	1,800	280	3,800	2,800	670

Notes:

1. All units in ug/m^3.
2. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
3. Volatile organic compounds quantitated by EPA TO-15
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.

Table 5-1
Sub-Slab Soil Gas Sample Results
August 2-4, 2004

Old Erie Canal Site
Clyde, New York

COMPOUND	*SG-15*	*SG-16*	*SG-17*	*SG-18*	*SG-19*	*SG-20*	*SG-21*
Freon TF	7.7 U	250	7.7 U	1,900 U	150 U	38 U	210
Methylene Chloride	3.5 U	79 U	3.5 U	990 U	69 U	17 U	35 U
cis-1,2-Dichloroethene	5.6	5,200	19	8,300	1,500	790	79
1,1,1-Trichloroethane	8.7	270	7.1	1,400 U	110 U	27 U	55 U
Carbon Tetrachloride	6.9	130 U	6.3 U	1,600 U	130 U	31 U	63 U
Benzene	3.2 U	64 U	4.5	800 U	64 U	16 U	32 U
Trichloroethene	260	6,400	440	54,000	3,900	1,300	2,400
Tetrachloroethene	6.8 U	140 U	8.8 J	1,700 U	140 U	34 U	68 U
Ethylbenzene	4.3 U	87 U	27 NJ	1,100 U	87 U	43 NJ	43 U
trans-1,2-Dichloroethene	4.0	950	7.1	990 U	79 U	20 U	87
1,2-Dichloroethene (total)	9.5	5,600	25	7,500	1,400	750	170

Notes:

1. All units in ug/m^3.
2. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
3. Volatile organic compounds quantitated by EPA TO-15
4. U designates compound was not detected at or above the quantitation limit shown.
5. NJ designates that the presense of an analyte that has been "tentatively identified" and the associated numerical value represents it's approximate concentration
6. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.

Table 5-1
Sub-Slab Soil Gas Sample Results
August 2-4, 2004

Old Erie Canal Site
Clyde, New York

COMPOUND	*SG-22*	*SG-23*	*SG-24*	*SG-25*	*SG-26*	*SG-27*
Freon TF	77 U	490	92	14	150 U	1,500 U
Methylene Chloride	35 U	17 U	17 U	1.7 U	69 U	690 U
cis-1,2-Dichloroethene	520	230	20 U	2.0 U	110	17,000
1,1,1-Trichloroethane	55 U	71	43	10	110 U	1,100 U
Carbon Tetrachloride	63 U	31 U	31 U	3.1 U	130 U	1,300 U
Benzene	32 U	16 U	16 U	5.4	64 U	640 U
Trichloroethene	3,500	2,900	1,300	97	6,400	75,000
Tetrachloroethene	68 U	120 J	34 U	16 J	140 U	1,400 U
Ethylbenzene	43 U	83 NJ	22 U	18 J	87 U	870 U
trans-1,2-Dichloroethene	44	99	20 U	2.0 U	79 U	950
1,2-Dichloroethene (total)	560	320	20 U	2.0 U	110	17,000

Notes:

1. All units in ug/m^3.
2. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
3. Volatile organic compounds quantitated by EPA TO-15
4. U designates compound was not detected at or above the quantitation limit shown.
5. NJ designates that the presense of an analyte that has been "tentatively identified" and the associated numerical value represents it's approximate concentration
6. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.

Table 5-2
Sub-Slab Soil Sample Results
January 12-14, 2005

Old Erie Canal Site
Clyde, New York

COMPOUND	*TAGM 4046 Soil cleanup objectives (ppb)*	*SSB-1 4.0'-6.0'*	*SSB-2 4.0'-5.7'*	*SSB-3 4.0'-6.0'*	*X-1 (Dup of SSB-3) 4.0'-6.0'*	*SSB-4 4.0'-5.7'*
Acetone	200	34	30	**630 J**	**570**	16 J
2-Butanone (MEK)	300	3.1 J	5.5 J	150 J	100	12 U
Carbon Disulfide	2,700	11 U	4.2 J	16 J	16 J	12 U
1,1-Dichloroethane	200	5.6 U	5.7 U	17 J	42 U	5.9 U
1,1-Dichloroethene	400	5.6 U	5.7 U	54 UJ	42 U	5.9 U
cis-1,2-Dichloroethene	300	22	2.4 J	**1,600 J**	**1,300**	12
Trans-1,2-Dichloroethene	300	5.6 U	5.7 U	58 J	40 J	5.9 U
Ethylbenzene	5,500	5.6 U	5.7 U	30 J	13 J	5.9 U
Methylene Chloride	100	5.6 U	5.7 U	54 UJ	42 U	5.9 U
Tetrachloroethene	1,400	5.6 U	5.7 U	12 J	32 J	5.9 U
Toluene	1,500	5.6 U	5.7 U	320 J	150	5.9 U
Trichloroethene	700	1.7 J	13	220 J	400	13
Vinyl Chloride	200	5.6 U	5.7 U	**560 J**	120 J	5.3 J
O-Xylene	1,200	5.6 U	5.7 U	69 J	25 J	5.9 U
M+P-Xylene	1,200	5.6 U	5.7 U	430 J	150	5.9 U

Notes:

1. All units in ug/kg.
2. All analyses performed by Columbia Analytical Services of Rochester, New York.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8260B.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.
6. UJ designates that the reported quantitation limit should be considered estimated because associated QC criteria was exceeded.

Table 5-2
Sub-Slab Soil Sample Results
January 12-14, 2005

Old Erie Canal Site
Clyde, New York

COMPOUND	*TAGM 4046 Soil cleanup objectives (ppb)*	*SSB-5 4.0'-6.0'*	*SSB-6 4.0'-6.0'*	*SSB-7 8.3-9.3'*	*SSB-8 8.0'-9.3'*	*SSB-9 2.0'-4.0'*
Acetone	200	130	21 J	15,000 UJ	17 J	**320**
2-Butanone (MEK)	300	24	12 U	7,600 UJ	57 U	71
Carbon Disulfide	2,700	14 U	4.5 J	7,600 UJ	57 U	1.9 J
1,1-Dichloroethane	200	4.8 J	5.9 U	3,800 UJ	28 U	8.8 U
1,1-Dichloroethene	400	6.9 U	2.4 J	3,800 UJ	7.3 J	8.8 U
cis-1,2-Dichloroethene	300	91	**1,200 EJ**	**10,000 J**	**680**	8.8 U
Trans-1,2-Dichloroethene	300	5.3 J	2.4 J	3,800 UJ	13 J	8.8 U
Ethylbenzene	5,500	2.6 J	5.9 U	3,800 UJ	28 U	8.8 U
Methylene Chloride	100	6.9 U	5.9 U	3,800 UJ	28 U	2.3 J
Tetrachloroethene	1,400	1.8 J	5.9 U	3,800 UJ	28 U	8.8 U
Toluene	1,500	9.8	5.9 U	3,800 UJ	28 U	4.2 J
Trichloroethene	700	89	5.3 J	**130,000 J**	**6,200 EJ**	5.3 J
Vinyl Chloride	200	18	**210**	3,800 UJ	28 U	8.8 U
O-Xylene	1,200	5.0 J	5.9 U	3,800 UJ	28 U	8.8 U
M+P-Xylene	1,200	25	4.6 J	3,800 UJ	28 U	8.8 U

Notes:

1. All units in ug/kg.
2. All analyses performed by Columbia Analytical Services of Rochester, New York.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8260B.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.
6. UJ designates that the reported quantitation limit should be considered estimated because associated QC criteria was exceeded.
7. EJ designates that the initial response above the established linear range of the instrument have been used and the associated numerical value represents it's approximate concentration

Table 5-2
Sub-Slab Soil Sample Results
January 12-14, 2005

Old Erie Canal Site
Clyde, New York

COMPOUND	*TAGM 4046 Soil cleanup objectives (ppb)*	*SSB-10 2.0'-4.0'*	*SSB-11 4.0'-5.8'*
Acetone	200	13 J	39
2-Butanone (MEK)	300	1.3 J	4.0 NJ
Carbon Disulfide	2,700	11 U	1.3 J
1,1-Dichloroethane	200	5.5 U	1.9 J
1,1-Dichloroethene	400	5.5 U	5.7 U
cis-1,2-Dichloroethene	300	1.9 J	74
Trans-1,2-Dichloroethene	300	5.5 U	3.1 J
Ethylbenzene	5,500	5.5 U	5.7 U
Methylene Chloride	100	5.5 U	5.7 U
Tetrachloroethene	1,400	5.5 U	2.1 J
Toluene	1,500	5.5 U	5.7 U
Trichloroethene	700	7.5	320 EJ
Vinyl Chloride	200	5.5 U	5.7 J
O-Xylene	1,200	5.5 U	5.7 U
M+P-Xylene	1,200	5.5 U	5.7 U

Notes:

1. All units in ug/kg.
2. All analyses performed by Columbia Analytical Services of Rochester, New York.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8260B.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.
7. EJ designates that the initial response above the established linear range of the instrument have been used and the associated numerical value represents it's approximate concentration

Table 5-3
Sub-Slab Ground Water Sample Results
January 13-14, 2005

Old Erie Canal Site
Clyde, New York

COMPOUND	*Groundwater Standards/ Criteria, Cw (ug/l or ppb)*	*SSB-1*	*SSB-2*	*SSB-3*	*X-1 (Dup of SSB-3)*	*SSB-4*
Acetone	50	Dry	Dry	12 U	11 U	5.0 U
Bromodichloromethane	- - -			1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50			5.0 U	5.0 U	5.0 U
Chloroform	7			1.0 U	1.0 U	1.0 U
Chloromethane	- - -			1.0 U	1.0 U	1.0 U
Dibromochloromethane	50			1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5			0.98 J	0.99 J	0.84 J
1,1-Dichloroethene	5			0.62 J	0.67 J	1.0 U
cis-1,2-Dichloroethene	5			**200 J**	**210 J**	**31**
Trans-1,2-Dichloroethene	5			**5.1**	**5.6**	1.0 U
Tetrachloroethene	5			1.0 U	1.0 U	1.0 U
Toluene	5			0.44 J	1.0 U	0.50 J
1,1,1-Trichloroethane	5			0.85 NJ	0.83 J	1.0 U
Trichloroethene	5			**16**	**15**	**29**
Vinyl Chloride	2			**62**	**57**	**90**
M+P-Xylene	5			0.56 J	1.0 U	0.58 J

Notes:

1. All units in ug/L.
2. All analyses performed by Columbia Analytical Services of Rochester, New York.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8260B.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.
6. NJ designates that the presense of an analyte that has been "tentatively identified" and the associated numerical value represents it's approximate concentration

Table 5-3
Sub-Slab Ground Water Sample Results
January 13-14, 2005

Old Erie Canal Site
Clyde, New York

COMPOUND	*Groundwater Standards/ Criteria, Cw (ug/l or ppb)*	*SSB-5*	*SSB-6*	*SSB-7*	*SSB-8*	*SSB-9*
Acetone	50	8.6 U	250 UJ	10,000 U	5.0 U	16 U
Bromodichloromethane	- - -	1.0 U	50 UJ	2,000 U	1.0 U	1.0 U
2-Butanone (MEK)	50	5.0 U	250 UJ	10,000 U	5.0 U	2.5 J
Chloroform	7	1.0 U	50 UJ	2,000 U	1.0 U	1.0 U
Chloromethane	- - -	1.0 U	50 UJ	2,000 U	1.0 U	1.0 U
Dibromochloromethane	50	1.0 U	50 UJ	2,000 U	1.0 U	1.0 U
1,1-Dichloroethane	5	1.2	50 UJ	2,000 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	**34 J**	2,000 U	2.5	1.0 U
cis-1,2-Dichloroethene	5	**110**	**13,000**	**73,000**	**320 J**	1.8
Trans-1,2-Dichloroethene	5	**5.6**	**35 J**	2,000 U	3.7	1.0 U
Tetrachloroethene	5	1.0 U	50 UJ	2,000 U	1.0 U	1.0 U
Toluene	5	1.6	50 UJ	**1,100 J**	**19**	1.0 U
1,1,1-Trichloroethane	5	1.1	50 UJ	2,000 U	1.0 U	1.0 U
Trichloroethene	5	**66**	**990 J**	**580,000 J**	**380 J**	**7.2**
Vinyl Chloride	2	**6.6**	**1,900 J**	2,000 U	**7.9**	1.3
M+P-Xylene	5	1.0 U	50 UJ	2,000 U	1.0 U	1.0 U

Notes:

1. All units in ug/L.
2. All analyses performed by Columbia Analytical Services of Rochester, New York.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8260B.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.
6. UJ designates that the reported quantitation limit should be considered estimated because associated QC criteria was exceeded.

Table 5-3
Sub-Slab Ground Water Sample Results
January 13-14, 2005

Old Erie Canal Site
Clyde, New York

COMPOUND	*Groundwater Standards/ Criteria, Cw (ug/l or ppb)*	*SSB-10*	*SSB-11*	*EQB*
Acetone	50	7.3 U	20 U	17
Bromodichloromethane	- - -	1.0 U	1.0 U	1.7
2-Butanone (MEK)	50	5.0 U	5.0 U	5.0 U
Chloroform	7	1.0 U	1.0 U	2.0
Chloromethane	- - -	1.0 U	1.0 U	0.63 J
Dibromochloromethane	50	1.0 U	1.0 U	0.70 J
1,1-Dichloroethane	5	1.0 U	3.8	1.0 U
1,1-Dichloroethene	5	3.6	0.96 J	1.0 U
cis-1,2-Dichloroethene	5	**210 J**	**260 J**	1.0 U
Trans-1,2-Dichloroethene	5	2.6	3.9	1.0 U
Tetrachloroethene	5	1.0 U	1.2	1.0 U
Toluene	5	1.0 U	0.52 J	1.0 U
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U
Trichloroethene	5	**160**	**290 J**	1.0 U
Vinyl Chloride	2	**26**	**14**	1.0 U
M+P-Xylene	5	1.0 U	1.0 U	1.0 U

Notes:

1. All units in ug/L.
2. All analyses performed by Columbia Analytical Services of Rochester, New York.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8260B.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.

Table 5-4
Soil Gas Sample Results
August 3-4, 2004

Old Erie Canal Site
Clyde, New York

COMPOUND	*GP-5A*	*GP-6A*
cis-1,2-Dichloroethene	4.4	3.3
Chloroform	2.4 U	73
Benzene	58	4.5
Trichloroethene	70	75
Tetrachloroethene	3.4 U	6.8
Ethylbenzene	65	3.5 NJ
1,2-Dichloroethene (total)	4.0	3.1

Notes:

1. All units in ug/m^3.
2. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
3. Volatile organic compounds quantitated by EPA TO-15
4. U designates compound was not detected at or above the quantitation limit shown.
5. NJ designates that the presense of an analyte that has been "tentatively identified" and the associated numerical value represents it's approximate concentration

Table 5-5
Ground Water Sample Result
August 2-3, 2004

Old Erie Canal Site
Clyde, New York

Compound	*Groundwater Standards/ Criteria, Cw (ug/l or ppb)*	COLE SUMP	MW-8S	MW-9S	GP-1A	GP-2A	GP-3A
Acetone	50	5.0 U	5.0 U	3.7 J	5.0 U	4.1 J	3.6 J
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Disulfide	-----	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	0.28 J	0.28 J	1.0 U	1.0 U	1.0 U
Xylene (total)	5	1.0 U	1.0 U	0.26 J	1.0 U	1.0 U	1.0 U

Notes:

1. All units in ug/L (ppb).
2. VOCs quantified using EPA Method 8260.
3. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.

Table 5-5
Ground Water Sample Result
August 2-3, 2004

Old Erie Canal Site
Clyde, New York

Compound	*Groundwater Standards/ Criteria, Cw (ug/l or ppb)*	GP-4A	GP-5A	GP-6A	GP-7A
Acetone	50	14	Dry	Dry	2.5 J
Benzene	1	0.32 J			1.0 U
Carbon Disulfide	-----	1.9			1.0 U
Toluene	5	1.1			0.32 J
Xylene (total)	5	1.1			1.0 U

Notes:

1. All units in ug/L (ppb).
2. VOCs quantified using EPA Method 8260.
3. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.

Table 5-6

Parker Hannifin
Communication Results

		Monometer Reading (inches w.g.)				
CTSH	**CTP**	**Vacuum Off**	**Vacuum On**	**Differential**	**Smoke**	Comments
1	A	-0.002	-0.002	0.000	Into hole	
	B	-0.002	-0.002	0.000	Into hole	
	C	0.002	-0.042	-0.044	Into hole	
	D	0.000	-0.008	-0.008	Into hole	
	E	-0.002	-0.002	0.000	No movement	
2						
	A	0.000	-0.029	-0.029	Into hole	
	B	0.000	-0.020	-0.020	Into hole	
	E	0.000	-0.014	-0.014	Into hole	
	CTSH 1	0.000	0.000	0.000	No movement	
	F	-0.002	-0.002	0.000	Into hole	Smoke enters well
3						
	H	0.004	0.004	0.000	Out of hole	
	G	0.001	-0.550	-0.551	Into hole	
	I	0.005	0.004	-0.001	Out of hole	
	J	0.000	-0.117	-0.117	Into hole	
	K	0.000	-0.108	-0.108	Into hole	
	L	-0.009	-0.131	-0.122	Into hole	
4	=CTP I					
	J	0.002	-0.006	-0.008	Into hole	
	H	0.010	-0.012	-0.022	Into hole	
5						
	L	0.000	-0.073	-0.073	Into hole	
	M	-0.006	-0.217	-0.211	Into hole	
	N	-0.002	-0.067	-0.065	Into hole	
	O	-0.043	-0.248	-0.205	Into hole	
	P	0.010	-0.036	-0.046	Into hole	
6	=CTP N					
	Q	0.010	-0.124	-0.134	Into hole	
	R	0.001	0.001	0.000	No movement	
	S	-0.004	-0.192	-0.188	Into hole	
7						
	T	0.010	0.010	0.000	Out of hole	
8						
	T	0.004	0.000	-0.004	No movement	
	U	-0.002	-0.028	-0.026	Into hole	
9						Could not drill through concrete.

Table 5-6

Parker Hannifin
Communication Results

CTSH	CTP	Monometer Reading (inches w.g.) Vacuum Off	Vacuum On	Differential	Smoke	Comments
10						
	V	0.000	-0.563	-0.563	Into hole	
	W	0.000	-0.419	-0.419	Into hole	
	X	0.000	-0.002	-0.002	Into hole	
	Y	0.000	-0.019	-0.019	Into hole	
11						Water encountered
12						
	Z	0.018	0.018	0.000	Out of hole	
	AA	0.020	0.010	-0.010	Out of hole	
13						
	AA	0.020	0.002	-0.018	No movement	
	Z	0.013	0.001	-0.012	No movement	
14						
	AB	0.004	-0.105	-0.109	Into hole	
	AC	0.007	-0.006	-0.013	Into hole	
	AD	0.012	0.006	-0.006	No movement	
	AE	0.015	0.000	-0.015	No movement	
	AF	0.001	-0.092	-0.093	Into hole	
	AG	0.003	-0.012	-0.015	Into hole	
15						
	AB	0.012	-0.316	-0.328	Into hole	
	AF	0.003	-0.460	-0.463	Into hole	
	AH	0.004	0.000	-0.004	No movement	
	AI	0.010	-0.067	-0.077	Into hole	
16						
	AF	0.000	-0.018	-0.018	Into hole	
	AJ	0.000	-0.022	-0.022	Into hole	
	L	-0.006	-0.049	-0.043	Into hole	
	AK	-0.030	-0.075	-0.045	Into hole	
17						
	AK	-0.030	-0.120	-0.090	Into hole	
	AL	-0.096	-0.278	-0.182	Into hole	
	L	-0.006	-0.072	-0.066	Into hole	
	CTSH 5	-0.016	-0.129	-0.113	Into hole	
18						
	AL	-0.095	-0.186	-0.091	Into hole	
	AM	-0.001	-0.001	0.000	No movement	
	AN	0.000	-0.008	-0.008	Into hole	
	M	-0.008	-0.074	-0.066	Into hole	

Table 5-6

Parker Hannifin
Communication Results

CTSH	CTP	Monometer Reading (inches w.g.) Vacuum Off	Vacuum On	Differential	Smoke	Comments
19	=CTP S					
	AN	0.000	-0.025	-0.025	Into hole	
	M	-0.014	-0.351	-0.337	Into hole	
	Q	0.004	-0.196	-0.200	Into hole	
	AO	0.000	-0.010	-0.010	Into hole	
20						
	AO	0.000	-0.010	-0.010	Into hole	
	AP	0.004	-0.004	-0.008	Into hole	Smoke enters well
	AQ	0.006	-0.034	-0.040	Into hole	
	Q	0.004	-0.270	-0.274	Into hole	
21						
	AR	0.002	0.002	0.000	No movement	
	AS	0.000	0.000	0.000	No movement	1/2"x3' used in this area
22						Could not drill through concrete.
23						Could not drill through concrete.
24						Could not drill through concrete.
25						Could not drill through concrete.
26						
	AR	0.001	-0.060	-0.061	Into hole	
	AS	0.000	-0.009	-0.009	Into hole	
	AT	0.000	-0.021	-0.021	Into hole	Redrilled CTSH 25 with 1/2"x3' bit
27						Could not drill through concrete. 3'
28						
	AU	-0.020	-0.020	0.000	Into hole	
	AV	-0.001	-0.001	0.000	No movement	
29						
	AW	-0.066	-0.206	-0.140	Into hole	
	AX	-0.096	-0.197	-0.101	Into hole	
	AY	-0.016	-0.061	-0.045	Into hole	
	AZ	-0.037	-0.151	-0.114	Into hole	
30						Could not drill through concrete.

Table 5-6

Parker Hannifin
Communication Results

		Monometer Reading (inches w.g.)				
CTSH	**CTP**	**Vacuum Off**	**Vacuum On**	**Differential**	**Smoke**	Comments
31						
	BA	0.006	-0.011	-0.017	Into hole	
	BB	0.006	0.006	0.000	No movement	
	BC	0.006	-0.013	-0.019	Into hole	
	BD	0.005	0.002	-0.003	No movement	
	BE	-0.003	-0.069	-0.066	Into hole	
32						
	BE	0.005	-0.042	-0.047	Into hole	
	BD	0.008	0.000	-0.008	Into hole	
	BF	0.008	-0.037	-0.045	Into hole	
	BG	0.010	0.001	-0.009	No movement	
33						
	BG	0.008	0.000	-0.008	Into hole	Smoke slightly into hole
	BF	0.006	-0.052	-0.058	Into hole	
	BH	0.013	0.012	-0.001	No movement	
	BI	0.013	0.003	-0.010	No movement	
	BJ	0.015	0.008	-0.007	Out of hole	
	BK	0.012	-0.079	-0.091	Into hole	
34	=CTP BJ					
	BI	0.010	0.009	-0.001	Out of hole	
	BH	0.013	-0.013	-0.026	Into hole	
35						
	BL	0.001	0.001	0.000	No movement	
	BM	0.016	0.016	0.000	Out of hole	
	BN	0.006	0.006	0.000	Out of hole	
	BF	0.007	0.007	0.000	Out of hole	
36						Could not drill through concrete.
37						Could not drill through concrete.
38						Could not drill through concrete.
39						
	BO	-0.017	-0.021	-0.004	Into hole	
	BP	0.000	0.000	0.000	No movement	Meter jumping from +5 to -5
40						Many control joints need filling
	BQ	0.001	-0.015	-0.016	Into hole	
	BR	0.001	0.001	0.000	No movement	

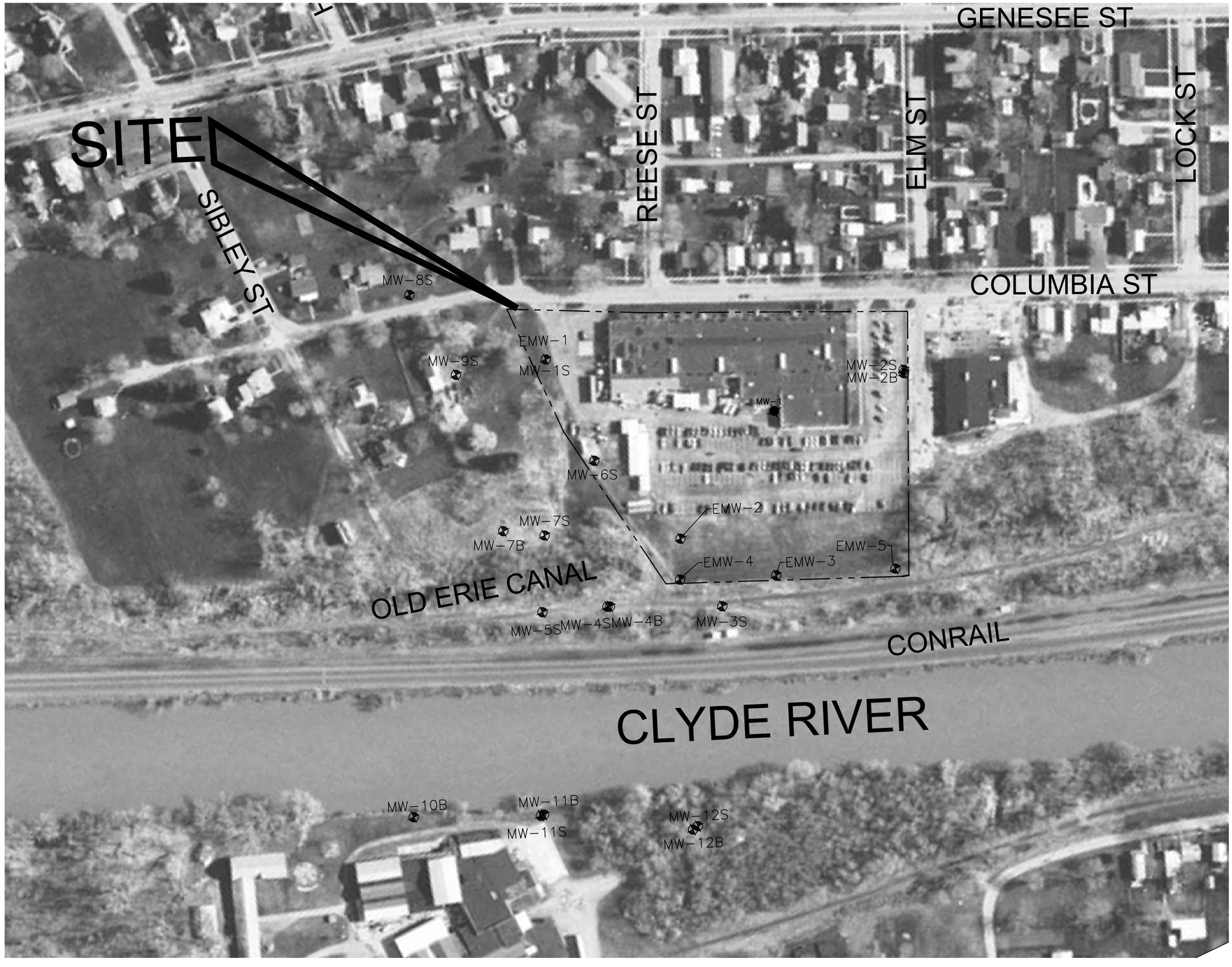
Table 5-6

Parker Hannifin
Communication Results

		Monometer Reading (inches w.g.)				
CTSH	**CTP**	**Vacuum Off**	**Vacuum On**	**Differential**	**Smoke**	Comments
41						
	A	0.000	-0.016	-0.016	Into hole	
	B	0.000	-0.004	-0.004	Into hole	
42						Many control joints need filling
	BS	0.004	-0.002	-0.006	Into hole	
	BQ	-0.001	-0.100	-0.099	No movement	
	B	0.000	-0.004	-0.004	Into hole	
	BT	0.004	0.004	0.000	No movement	
	BL	0.000	-0.013	-0.013	Into hole	
43						Many control joints need filling
	BS	0.003	-0.033	-0.036	Into hole	
	BT	0.000	-0.012	-0.012	Into hole	

FIGURES

FIGURE 1-1



OLD ERIE CANAL SITE
CLYDE, NEW YORK

STUDY AREA MAP

O'BRIEN & GERE
ENGINEERS INC.

FIGURE 3–1

COLUMBIA STREET

COLUMBIA STREET

EX. _" SAN. (?)

EX. _" STORM (?)

APPROX. LOCATION OF _" SAN. MAIN (?)

GV

6"

3'x4'

GAS METER

SSB-1 SSB-4 SSB-6 SSB-9

SG-1 SG-2 SG-3 SG-4 SG-5 SG-6 SG-7 SG-8 SG-9 SG-10 SG-11 SG-12 SG-13 SG-14 SG-15 SG-16 SG-17 SG-18 SG-19 SG-20 SG-21 SG-22 SG-23 SG-24 SG-25 SG-26 SG-27

SSB-2 SSB-3 SSB-5 SSB-7 SSB-8 SSB-10 SSB-11

EX. MAIN BUILDING

1954 BLDG OUTLINE

TANK

TANK

LINE 5

3C

3F

3E

3G

3D

3H

3B

EX. 6" VIT DRAIN

EX. 6" VIT DRAIN

EX. 4" SANITARY

EX. 6" VIT SANITARY SEWER PIPE

SANITARY (INSTALLED 1972)

SAN. M.H.

GUY

HAZ. WASTE

ACID SHED

HAZ. WASTE

HYDROGEN TANK

EX. 6" VIT STORM DRAIN (Constructed Sept. 28, 1951)

MH-3B

500 GALLON EQUALIZING BASIN

ACID TANK CLOSED PRE-1970, CONCRETE FILLED

EX. 6" VIT STORM

LINE 3

SCRAP

MH-3A

DIESEL TANK (REMOVED 1999)

DIESEL TANK (CLOSED IN PLACE PRE-1972 FILLED W/CONCRETE)

ABANDONED WASTE SEWER

PARKING LOT

VC STORM LINE

VC STORM LINE

EX. PROPI

LINE

LEGEND

PROPERTY BOUNDARY

CANAL BLUE LINE

STORM SEWER

48-INCH CMP

SG-1 EXISTING SOIL GAS SAMPLE LOCATION

SSB-10 SUB-SLAB SOIL AND GROUND WATER SAMPLE LOCATION

OLD ERIE CANAL SITE
CLYDE, NEW YORK

SUB-SLAB
SAMPLING LOCATIONS

50 0 50

FEBRUARY 2005

35212

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ENGINEERS INC.

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5-3-05

FIGURE 3–2

LEGEND

- PROPERTY BOUNDARY
- CANAL BLUE LINE
- STORM SEWER
- 48–INCH CMP
- MW–3S — OVERBURDEN MONITORING WELL
- MW–3B — BEDROCK MONITORING WELL
- SSB–10 — SUB–SLAB SOIL AND GROUND WATER SAMPLE LOCATION
- GP–39 — DIRECT PUSH SAMPLE LOCATION
- GP–7/S–1 — DIRECT PUSH AND SUBSURFACE SOIL SAMPLE LOCATION
- MW–1 — TEMPORARY MONITORING WELL INSTALLED DURING REMOVAL OF AN UNDER–GROUND DIESEL TANK

OLD ERIE CANAL SITE
CLYDE, NEW YORK

DIRECT PUSH SAMPLE LOCATION MAP

40 0 20 40 80 160
(IN FEET)

MAY 2005
35313

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FIGURE 3-3

COLUMBIA STREET

EX. _" SAN. (?)

EX. _" STORM (?)

APPROX. LOCATION OF _" SAN. MAIN (?)

GV

6"

3'x4'

GAS METER

EX. MAIN BUILDING

1954 BLDG

SG-1 SG-2 SG-3 SG-4 SG-5 SG-6 SG-7 SG-8 SG-9 SG-10 SG-11 SG-12 SG-13 SG-14 SG-15 SG-16 SG-17 SG-18 SG-20 SG-21 SG-22 SG-23 SG-24 SG-25 SG-26 SG-27

CTSH1 CTSH2 CTSH3 CTSH4,I CTSH5 CTSH6 CTSH7 CTSH8 CTSH9 CTSH10 CTSH11 CTSH12 CTSH13 CTSH14 CTSH15 CTSH16 CTSH17 CTSH18 CTSH19 CTSH20 CTSH21 CTSH22 CTSH23 CTSH24 CTSH25,MT CTSH26 CTSH27 CTSH28 CTSH29 CTSH30 CTSH31 CTSH32 CTSH33 CTSH34,BJ CTSH35 CTSH36 CTSH37 CTSH38 CTSH39 CTSH40 CTSH41,BR CTSH42 CTSH43

EX. 4" SANITARY

EX. 6" VIT DRAIN

EX. 6" VIT SANITARY SEWER PIPE

SANITARY (INSTALLED 1972)

SAN. M.H.

3D 3E 3G 3H

EX. 6" VIT STORM DRAIN (Constructed Sept. 28, 1951)

MH-3B

500 GALLON EQUALIZING BASIN

ACID SHED

HAZ. WASTE

HAZ. WASTE

ACID TANK CLOSED PRE-1970, CONCRETE FILLED

6" VIT STORM

3B

DIESEL TANK (REMOVED 1999)

DIESEL TANK (CLOSED IN PLACE PRE-1972 FILLED W/CONCRETE)

PARKING LOT

ABANDONED WASTE SEWER

GUY

LEGEND

- PROPERTY BOUNDARY
- CANAL BLUE LINE
- STORM SEWER
- 48-INCH CMP
- SG-1 EXISTING SOIL GAS SAMPLE LOCATION
- COMMUNICATION TEST SUCTION HOLE
- COMMUNICATION TEST SUCTION HOLE AND SYSTEM SUCTION POINT
- SYSTEM SUCTION POINT
- COMMUNICATION TEST POINT

OLD ERIE CANAL SITE
CLYDE, NEW YORK

COMMUNICATION TEST LOCATIONS

40 0 40

FEBRUARY 2005
35212

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5/09/05

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FIGURE 4-1

COLUMBIA STREET

MW-8S 389.61

EMW-1 MW-1S 390.00

MW-9S 390.01

APPROX. LIMIT OF SWAMP

SWAMP

TOP OF BANK

FORMER BARGE TURN AROUND

CANAL BLUE LINE

MW-7S 387.70

MW-7B

60" CMP (VILLAGE OF CLYDE STORM SEWER)

DRAINAGE

OLD ERIE CANAL

SEPTIC TANK

GRAVEL

395.16 MW-2S MW-2B

394.76 MW-1

GRAVEL

390.4 MW-6S

ELM STREET (FACTORY STREET)

EMW-2 392.77

SG-1 390.24

48" CMP

388.74 EMW-4

EMW-3 389.23

EMW-5 390.03

SG-2 387.51

MW-5S 388.51

MW-4S MW-4B 387.71

MW-3S 388.96

CANAL BLUE LINE

RAIL ROAD TRACKS

TOP OF CANAL BANK

SG-3A SG-3 384.93

BARGE CANAL

MW-10B

MW-11B MW-11S 385.97

385.25 MW-12S MW-12B

390 391 392 393 394 395 389 388 387 386 385

LEGEND

- PROPERTY BOUNDARY
- CANAL BLUE LINE
- STORM SEWER
- 48-INCH CMP
- MW-3S OVERBURDEN MONITORING WELL
- MW-3B BEDROCK MONITORING WELL
- MW-1 TEMPORARY MONITORING WELL INSTALLED DURING REMOVAL OF AN UNDER-GROUND DIESEL TANK

OLD ERIE CANAL SITE
CLYDE, NEW YORK

POTENTIOMETRIC MAP FOR THE OVERBURDEN GROUND WATER ON AUGUST 3, 2004

100 0 100
SCALE IN FEET

MAY 2005
35313

O'BRIEN & GERE ENGINEERS INC.

5-8-05

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FIGURE 5-1

EX. _" SAN. (?)

COLUMBIA STREET

GV

GAS METER

SG-1 SG-2 SG-3 SG-4 SG-5 SG-6 SG-7 SG-8 SG-9 SG-10 SG-11 SG-12 SG-13 SG-14 SG-15 SG-16 SG-17 SG-18 SG-19 SG-20 SG-21 SG-22 SG-23 SG-24 SG-25 SG-26 SG-27

CTSH1 CTSH2 CTSH3 CTSH4,I CTSH5 CTSH6 CTSH7 CTSH8 CTSH9 CTSH10 CTSH11 CTSH12 CTSH13 CTSH14 CTSH15 CTSH16 CTSH17 CTSH18 CTSH19 CTSH20 CTSH21 CTSH22 CTSH23 CTSH24 CTSH25,AT CTSH26 CTSH27 CTSH28 CTSH29 CTSH30 CTSH31 CTSH32 CTSH33 CTSH34,BJ CTSH35 CTSH36 CTSH37 CTSH38 CTSH39 CTSH40 CTSH41,BR CTSH42 CTSH43

HAZ. WASTE

HAZ. WASTE

PARKING LOT

LEGEND

- PROPERTY BOUNDARY
- CANAL BLUE LINE
- STORM SEWER
- 48-INCH CMP
- SG-1 EXISTING SOIL GAS SAMPLE LOCATION
- COMMUNICATION TEST SUCTION HOLE
- COMMUNICATION TEST SUCTION HOLE AND SYSTEM SUCTION POINT
- SYSTEM SUCTION POINT
- COMMUNICATION TEST POINT
- GOOD COMMUNICATION
- UNKNOWN COMMUNICATION
- POOR COMMUNICATION

OLD ERIE CANAL SITE
CLYDE, NEW YORK

COMMUNICATION TEST RESULTS

40 0 40

MAY 2005
35212

O'BRIEN & GERE ENGINEERS INC.

5/09/05

APPENDICES

Appendix A

Boring Logs (Sub-Slab)

located 12.0' N & 3.0' E of 19B

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	BORING NO. SSB-1

PROJECT: Old Erie Canal Site, Clyde, New York					SHEET 1 OF 1
CLIENT: Parker Hannifin					JOB NO. 35313.002.002
DRILLING CONTRACTOR: Parratt Wolff					MEAS. PT. ELEV. NA
PURPOSE: Subslab Soil and Groundwater Investigation					GROUND ELEV. NA
DRILLING METHOD: Geoprobe		SAMPLE	CORE	CASING	DATUM Ground Surface
DRILL RIG TYPE: monoprobe	TYPE	Macro	2.0'	N/A	DATE STARTED 1/14/05
GROUND WATER DEPTH: Dry	DIA.	1.0'	2.0'	N/A	DATE FINISHED 1/14/05
MEASURING POINT: PVC	WEIGHT	N/A			DRILLER Lee
DATE OF MEASUREMENT: 1/14/05	FALL	N/A			INSPECTOR G. Sleeman

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration	Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
						C .4	Concrete
1	S1		1.5/1.75		SW	Br cmfSa mfG, lCy$ Brown Coarse medium fine SAND and medium fine Gravel, little clayey silt	Dry - Fill PID = 0.0 ppm
2				2/1		2.6	Moist. moderately Compact PID = 0.0 ppm Native @ 2.6
3	S2				ML	Br $aFS Brown SILT and fine Sand	
4						4.1'	
5	S3			2/1	CL	Rd Br Cy$, lmfS, SmfG	Till Dry @ 4.1' SSB-1 4-6' @ 2045 PID = 0.0 ppm Very Compact Refusal @ 6.0'
6						6.0	
7							
8							
9							
10							

located 6.3' N of Door & 4' ~~East~~ West in Maintenance Area

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. SSB-2

PROJECT: Old Erie Canal Site, Clyde, New York
CLIENT: Parker Hannifin
DRILLING CONTRACTOR: Parratt Wolff
PURPOSE: Subslab Soil and Groundwater Investigation
DRILLING METHOD: Geoprobe
DRILL RIG TYPE: monoprobe
GROUND WATER DEPTH: Dry
MEASURING POINT: PVC
DATE OF MEASUREMENT: 1/14/05

	SAMPLE	CORE	CASING
TYPE	Macro	2.0'	N/A
DIA.	1.0'	2.0'	N/A
WEIGHT	N/A		
FALL	N/A		

SHEET 1 OF 1
JOB NO. 35313.002.002
MEAS. PT. ELEV. NA
GROUND ELEV. NA
DATUM Ground Surface
DATE STARTED 1/14/05
DATE FINISHED 1/14/05
DRILLER Lee
INSPECTOR G. Sleeman

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration	Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
					C	.5	Concrete
1	S-1		15/16		SP	Br - Bl Br cinders > mFS, Gls. Brown - Black Brown cinders, and medium fine Sand, glass	Fill Dry PID = 0.0 PPM
2						2.3	
3	S-2		2/22		CL	Br Cy $, a $Cy, sFS. Brown Clayey SILT, and Silty clay, some fine sand	Native mod compact PID = 0.0 ppm moist
4							
						4.3	
5	S-3		2/1		GC	Rd Br $Cy, lmFS, 1 mfG.	Till SSB-2 4-5.7 @ 2155 Dry
						5.7	Refusal @ 5.7
6							
7							
8							
9							
10							

located 7' W of BC & 1.3' S.

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. SSB-3

PROJECT: Old Erie Canal Site, Clyde, New York				SHEET 1 OF 1
CLIENT: Parker Hannifin				JOB NO. 35313.002.002
DRILLING CONTRACTOR: Parratt Wolff				MEAS. PT. ELEV. NA
PURPOSE: Subslab Soil and Groundwater Investigation				GROUND ELEV. NA
DRILLING METHOD: Geoprobe	SAMPLE	CORE	CASING	DATUM Ground Surface
DRILL RIG TYPE: mono probe	TYPE: Macro	2.0'	N/A	DATE STARTED 1/14/04
GROUND WATER DEPTH: 2.83 3.20	DIA.: 1.0'	2.0'	N/A	DATE FINISHED 1/14/04
MEASURING POINT: PVC GS	WEIGHT: N/A			DRILLER Lee
DATE OF MEASUREMENT: 1/14/04	FALL: N/A			INSPECTOR G. Sleeman

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration / Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
0–.55					C. .55'	Concrete
1	S1		1.5/1.3		Bl, Gr Bl, Cnds, &l. Brk	PID = 0.0 ppm Fill no odor loose clump
2–3	S2		2/1.2			saturated @ 2.5' PID = 0.0ppm no odor
4	S3		2/1.2		4.75	saturated Fill SSB-3 4-6' @ 1920 + PID = 85.3 Native Strong Petroleum odor
5				SM	Br $, P: 0	
6	S4	9-11	2/1.3	CL	Bl Gr C	Backswamp Saturated - Glayed Slight odor PID = 8.0 PPM
7		15		SP	Br FS ! & $ Brown fine SAND, little Silt	
7.9		50-4			7.9'	Refusal
8						
9						
10						

located

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. SSB-4

PROJECT: Old Erie Canal Site, Clyde, New York	SHEET 1 OF 1
CLIENT: Parker Hannifin	JOB NO. 35313.002.002
DRILLING CONTRACTOR: Parratt Wolff	MEAS. PT. ELEV. NA
PURPOSE: Subslab Soil and Groundwater Investigation	GROUND ELEV. NA
DRILLING METHOD: Geoprobe	DATUM Ground Surface
DRILL RIG TYPE: monoprobe	DATE STARTED 1/14/05
GROUND WATER DEPTH: 3.90	DATE FINISHED 1/14/05
MEASURING POINT: PVC	DRILLER Lee
DATE OF MEASUREMENT: 1/14/05	INSPECTOR G. Sleeman

	SAMPLE	CORE	CASING
TYPE	Macro	2.0'	N/A
DIA.	1.0'	2.0'	N/A
WEIGHT	N/A		
FALL	N/A		

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
					C .5	Concrete
1	S-1		.8/1.5	SW	Gr Bl (B-1C, end 5) mf S, Grayish Blue - Black Cinders, some medium fine SAND	Fill, Saturated loosely Compact PID = 0.0
2						
3	S-2					NO recovery Fill
4					4.1	
5	S-3		2/2	SM	Br-Gr Br Cy $ 2 fS, occ mfG Brown - Gray Brown ~~clayey SILT~~ and fine Sand, occasional medium fine gravel	Native. PID = 0.0 HW Sample Collected
				SP	Red Br fS, ~~2~~ 3 5.8	Refusal @ 5.8 Drill at base
6						
7						
8						
9						
10						

located 5.3' North of 8C & 6.7' West

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. SSB-5

PROJECT: Old Erie Canal Site, Clyde, New York					SHEET 1 OF
CLIENT: Parker Hannifin					JOB NO. 35313.002.002
DRILLING CONTRACTOR: Parratt Wolff					MEAS. PT. ELEV. NA
PURPOSE: Subslab Soil and Groundwater Investigation					GROUND ELEV. NA
DRILLING METHOD: Geoprobe		SAMPLE	CORE	CASING	DATUM Ground Surface
DRILL RIG TYPE: monoprobe	TYPE	Macro	2.0'	N/A	DATE STARTED 1/14/05
GROUND WATER DEPTH: 3.75	DIA.	1.0'	2.0'	N/A	DATE FINISHED 1/14/05
MEASURING POINT: PVC	WEIGHT	N/A			DRILLER Lee
DATE OF MEASUREMENT: 1/14/05	FALL	N/A			INSPECTOR G. Sleeman

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
					C .5	Concrete
1	S-1		1.5/1.0	SW	Br cmfS, BrK. Brown coarse medium fine SAND, Brick	Fill PID = 0.0 PPM
2				GM	cmS, mfG, cndrs, BrK.	Fill
3	S-2		2/1.2			saturated at 2.8' PID = 0.0 PPM loosely compact
4					4.2	
			2/1.2	CL	4.5 Brick	Backswamp
5	S-3				5.0	Till firmly compact
				ML	Rd Br Cy St, lmfS, s mfG Reddish Brown Clayey SILT, little medium fine Sand, some medium fine gravel	strong odor PID = 0.0 PPM SSB-5 soil @ 0025
6						Till
	S-4		1.3/1.3			PID
7					7.3	refusal
8						
9						
10						

P

located 9.75 S of SA ; 6.5' East

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	BORING NO. SSB-6

PROJECT: Old Erie Canal Site, Clyde, New York						SHEET 1 OF 1
CLIENT: Parker Hannifin						JOB NO. 35313.002.002
DRILLING CONTRACTOR: Parratt Wolff						MEAS. PT. ELEV. NA
PURPOSE: Subslab Soil and Groundwater Investigation						GROUND ELEV. NA
DRILLING METHOD: Geoprobe		SAMPLE	CORE	CASING		DATUM Ground Surface
DRILL RIG TYPE: mono probe	TYPE	Macro	2.0'	N/A		DATE STARTED 1/13/05
GROUND WATER DEPTH: 5.70	DIA.	1.0'	2.0'	N/A		DATE FINISHED 1/13/05
MEASURING POINT: PVC	WEIGHT	N/A				DRILLER Lee
DATE OF MEASUREMENT: 1/13/05	FALL	N/A				INSPECTOR G. Sleeman

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
					Concrete .5'	
1	S-1		1.5/1.3		Brk, Cinds, Gl	Fill PID=0.0 ppm
2						
3	S-2		2.0/1.4		3.0	Fill Notice @ 3.0 saturated @ 2.8' PID = 0.0 PPM
4				CL	Gr C, ℓ$ Gray Clay, little S, H	
5	S-3		2.0/1.75	SP	Gr Br f S, s$	moderately compact saturated PID = 116 ppm sample @ 2:25
6						
7	S-4		1.0/1.1	SW	Gr B mfS	
					7.1	PID = 88 ppm
				ML	Rd Br Cy ℓ, s mfS, Sm f G	Till
					7.4	Refusal
8						
9						
10						

located 17.0' West of middle of East door

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	BORING NO. SSB-7

PROJECT: Old Erie Canal Site, Clyde, New York						SHEET 1 OF 1
CLIENT: Parker Hannifin						JOB NO. 35313.002.002
DRILLING CONTRACTOR: Parratt Wolff						MEAS. PT. ELEV. NA
PURPOSE: Subslab Soil and Groundwater Investigation						GROUND ELEV. NA
DRILLING METHOD: Geoprobe		SAMPLE	CORE	CASING		DATUM Ground Surface
DRILL RIG TYPE: monoprobe	TYPE	Macro	2.0'	N/A		DATE STARTED 1/12/05
GROUND WATER DEPTH: 4.23	DIA.	1.0'	2.0'	N/A		DATE FINISHED 1/12/05
MEASURING POINT: PVC	WEIGHT	N/A				DRILLER Lee
DATE OF MEASUREMENT: 1/12/05	FALL	N/A				INSPECTOR G. Sleeman

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration	Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
						C 0.3	Cement Pad.
1	S-1	10			SW	DK Gr Bl, $amcS, rbl, BrK	Fill moist
2		10-8	1.5'	1.5'			PID=0.0.
3	S-2	6-8	2'	1.3'	SM	DK Gr Bl, $amcS, rbl BrK Dark Gray, Black, SILT, and medium Coarse Sand, rubble, roots	Saturated @ 2' No odor Fill PID=0.0
4		5-5					
5	S-3	1-2	2'	1.8'	SM	DK Gr Bl, $amcS, rbl, BrK, cobs 6.5	Saturated No odor Fill PID=0.0 ppm
6		2-5					
7	S-4	4-5	2'	1.9'	CL	Gr Cw/th Br mtles. Gray Clay, Brown mottled	Backswamp - Native PID = 45.6 ppm anaerobic clays fuel oil odor
8		5-6					
9	S-5	50/.03	1'	1/1		Gr Br - Br fS a $ w mtbedde Cy$ 9.3	fuel oil odor PID = >2777 ppm VOC's - 8.3'-9.3' @ 1005 refusal @ 9.3'
10							

located 8.3'S of SC & 3.5' East

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	BORING NO. SSB-8

PROJECT: Old Erie Canal Site, Clyde, New York						SHEET 1 OF
CLIENT: Parker Hannifin						JOB NO. 35313.002.002
DRILLING CONTRACTOR: Parratt Wolff						MEAS. PT. ELEV. NA
PURPOSE: Subslab Soil and Groundwater Investigation						GROUND ELEV. NA
DRILLING METHOD: Geoprobe		SAMPLE	CORE	CASING		DATUM Ground Surface
DRILL RIG TYPE: monoprobe	TYPE	Macro	2.0'	N/A		DATE STARTED 1/12/05
GROUND WATER DEPTH: 3.25	DIA.	1.0'	2.0'	N/A		DATE FINISHED 1/13/05
MEASURING POINT: PVC	WEIGHT	N/A				DRILLER LCC
DATE OF MEASUREMENT: 1/13/04	FALL	N/A				INSPECTOR G. Sleeman

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration	Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
		18				.4	
1	S1		1.5	1.2	SW	Br mfS, s$ Brown medium-fine SAND, some Silt	moist no odor PID = 0.0 PPM
		20-12					
					SW	Bl mcS, a$, cndrs, brk 1.9	Fill loosely compact
2							Fill like
		4-5	2	.5	SW	Bk mcS, s$, cndrs, Black medium coarse SAND and S.H, cinders	~~Wet~~ Fill Saturated. no odor PID = 9.1 PPM loosely compact poor recovery
3	S2						
		6-5					
4							
		12-5	2	1	SW	BK mcS, a$, cndrs 4.5	Fuel oil odor
5	S3				CL	Gr-Br Cl w/ int Bl P.	No strike PID = 112.2 ? Saturated Fairly Compact
		5-5					
6						6.25	Fuel oil odor
		18-18	2	1			PID = 39.7
7	S4				SW	Br mfS, s$, v thnbds Brown medium-fine SAND, some Silt with thin beds	moderately Compact
		21-24					
8							
		30-38	1.3	1.3		Br mfS, s$.	VOC's SSB-8-8.0-9.3'@0010 PID = 243. PPM
	S5					8.7	fuel oil odor
9		50/.3			ML	Rd Br Cl$, s mfS, a mfG 9.3	Till- compact Refusal @ 9.3
10							

located 8.5' S of 3A (NW well) ; 6.5' West ...

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. SSB-9

PROJECT: Old Erie Canal Site, Clyde, New York				SHEET 1 OF 1
CLIENT: Parker Hannifin				JOB NO. 35313.002.002
DRILLING CONTRACTOR: Parratt Wolff				MEAS. PT. ELEV. NA
PURPOSE: Subslab Soil and Groundwater Investigation				GROUND ELEV. NA
DRILLING METHOD: Geoprobe		SAMPLE	CORE	CASING	DATUM Ground Surface
DRILL RIG TYPE: monoprobe	TYPE	Macro	2.0'	N/A	DATE STARTED 1/13/05
GROUND WATER DEPTH: 4.9'	DIA.	1.0'	2.0'	N/A	DATE FINISHED 1/13/05
MEASURING POINT: PVC	WEIGHT	N/A			DRILLER Lee
DATE OF MEASUREMENT: 1/14/05	FALL	N/A			INSPECTOR G. Sleeman

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration / Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
0 – 0.4					Concrete 0.4	
0.4 – 2.1	S1		1.5/0		mG. 2.1	poor recovery PID = — 1 Dolostone Fill
2.1 – 4	S2		2/1.2	SM	Gy Br $ a fS, lC (Br Black lenses) Gray Brown SILT and fine Sand, little clay	Native Moist moderate compact PID = 0.0 PPM
4 – 5.0	S3		2/1.5	SM	Gy Br Cy $ a fS, lmfG 5.0	Saturated moderately Compt PID = 0.0 PPM
5.0 – 6.2				ML	Rd Br, Cy $, lcmfS, smfG Reddish Brown Clayey SILT, little coarse medium fine Sand, some medium-fine gravel 6.2	Till @ 5.0'
6.2						refusal @ 6.2 PID = 9.5 ppm Dry fairly Compact → SSB-9 Sample @ 2015
7						
8						
9						
10						

Located 2.1' N of Conference Room C; .5' W.

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. SSB-10

PROJECT: Old Erie Canal Site, Clyde, New York					SHEET 1 OF 1
CLIENT: Parker Hannifin					JOB NO. 35313.002.002
DRILLING CONTRACTOR: Parratt Wolff					MEAS. PT. ELEV. NA
PURPOSE: Subslab Soil and Groundwater Investigation					GROUND ELEV. NA
DRILLING METHOD: Geoprobe		SAMPLE	CORE	CASING	DATUM Ground Surface
DRILL RIG TYPE: Macroprobe	TYPE	Macro	2.0'	N/A	DATE STARTED 1/13/05
GROUND WATER DEPTH: 3.75	DIA.	1.0'	2.0'	N/A	DATE FINISHED 1/13/05
MEASURING POINT: PVC	WEIGHT	N/A			DRILLER Lee
DATE OF MEASUREMENT: 1/13/05	FALL	N/A			INSPECTOR G. Sleeman

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration/Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
0–0.3					C 0.3	Cement
	S-1		1.5/.75	SW	Rd Br' cmfS, s$, s mfG	Fill
1				SM	Blk cmfS & $, cndrs Black coarse medium fine SAND, and SILT, cinders	Dry - loose/compact PID = 0.0 PPM
2					2.2	Native
	S-2		2/1.2	SM	Gr-Br fS & $, l C Grey Brown fine SAND and SILT, little Clay	moderately compact PID = 0.0
3				CL	Gngr $yC. lfS	moist VOCs SSB-9 2-4' @ 0145
4					4.2	Still @ 4.2
	S-3		2/1	ML	Rd br, Cy$. smfS, s mfG. Redish Brown Clayey SILT, some medium-fine Sand, some medium-fine gravel	PID = 0.0 moist
5						
6	S-4		.8/.2			
					6.8	Refusal
7						
8						
9						
10						

located 11.3' N of 7D : 6.6' W

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. SSB-11

PROJECT: Old Erie Canal Site, Clyde, New York				SHEET 1 OF 1
CLIENT: Parker Hannifin				JOB NO. 35313.002.002
DRILLING CONTRACTOR: Parratt Wolff				MEAS. PT. ELEV. NA
PURPOSE: Subslab Soil and Groundwater Investigation				GROUND ELEV. NA
DRILLING METHOD: Geoprobe	SAMPLE	CORE	CASING	DATUM Ground Surface
DRILL RIG TYPE: monoprobe	TYPE: Macro	2.0'	N/A	DATE STARTED 1/13/04
GROUND WATER DEPTH: 6.76	DIA.: 1.0'	2.0'	N/A	DATE FINISHED 1/13/04
MEASURING POINT: PVC	WEIGHT: N/A			DRILLER Lee
DATE OF MEASUREMENT: 1/13/05	FALL: N/A			INSPECTOR G. Sleeman

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
0 – .8					C (.8)	concrete
1	S-1		1.5/1.5	SW	Br cmfS, cndrs, Brk. Brown coarse medium fine SAND, cindrs, brick.	saturated FILL PID = 0.0 PPM
2						
3	S-2		2/1.4		(3.0)	FILL saturated PID = 0.0 PPM
					DK Br O/P (4.2)	Native - moderately compact @ 3.0
4						
5	S-3		1.8/1.5	CL	Rd. Br $CY - Cy$, lmfS, smfG. Reddish Brown Silty CLAY - clayey Silt, little medium-fine sand, some medium-fine gravel (5.8)	Till @ 4.2 PID = 0.0 PPM firmly compact Collect SSB-11 sample @ 1315 refuse
6						
7						
8						
9						
10						

Appendix B

Boring Logs (Off-Site)

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. GP-1A
East of 's Garage

PROJECT: Old Erie Canal Site, Clyde, New York	SHEET 1 OF 2
CLIENT: Parker Hannifin	JOB NO. 35313.003.03
DRILLING CONTRACTOR: Parratt Wolff	MEAS. PT. ELEV. NA
PURPOSE: Soil and Groundwater Investigation	GROUND ELEV. NA
DRILLING METHOD: Geoprobe	DATUM Ground Surface
DRILL RIG TYPE: ATV mounted	DATE STARTED 8/2/04
GROUND WATER DEPTH: 3.08	DATE FINISHED 8/20/4
MEASURING POINT: Ground Surface	DRILLER Dominic Pino
DATE OF MEASUREMENT: 8/3/04	INSPECTOR G. Sleeman

	SAMPLE	CORE	CASING
TYPE	Macro	2.0'	N/A
DIA.	1.0'	2.0'	N/A
WEIGHT	N/A		
FALL	N/A		

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration / Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
1					Br Gr f, a fS, s C, rt, o' Brownish Gray Silt and fine Sand, some clay roots, organics (1.0)	moist PID = 0.0
2	S-1		4.0/3.5	SP	Br Gy f a fS	Moderate Capillary water
3					Gry fS a FG 3.0	
				CL	YW Br f Gy, a fS Yellowish Brown Silty Clay and fine Sand	
4						Saturated @ 4' a compact
5			4.0/3.0			PID = 0.0
6	S-2			CL	YW Br, Rd mottled, f Gy, a fS	
7						
8				CL	YW Br Gy f a fS.	
9	S-3		4.0/2.5	GC	YW Br Gy f, s mfS, a fG.	Saturated loosely Compact PID = 0.0
10						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. GP-1A

PROJECT: Old Erie Canal Site, Clyde, New York

SHEET 2 OF 2

CLIENT: Parker Hannifin

JOB NO. 35313.003.003

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
11	S-3			GC	Yw Br Cly $, sm f S, 2 f G	Saturated.
12				GC	Yw Br f Sa $ & m(-) f(+) G Yellowish Brown fine SAND and S. H. and medium(-) fine(+) gravel	no odor loosely compact.
13						
14	S-4		4.0/3.3			PID = 0.0 Saturated
15					15.0'	
16				GC	Reddish Brown Silty Clay, little fine Sand some fine Gravel Rd Br SCy, l f S, & f Gr.	Till @ 15' very compact. no odor. Dry - moist
17	S-5		4.0/2.5	GC		Very compact no odor PID = 0.0
18						
19						
20					20.0'	refusal @ 20.0
21						
22						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. GP-2A
East 12' of 's front Porch

PROJECT: Old Erie Canal Site, Clyde, New York	SHEET 1 OF 2
CLIENT: Parker Hannifin	JOB NO. 35313.003.03
DRILLING CONTRACTOR: Parratt Wolff	MEAS. PT. ELEV. NA
PURPOSE: Soil and Groundwater Investigation	GROUND ELEV. NA
DRILLING METHOD: Geoprobe	DATUM Ground Surface
DRILL RIG TYPE: ATV mounted	DATE STARTED 8/2/04
GROUND WATER DEPTH: 8.08	DATE FINISHED 8/2/04
MEASURING POINT: PVC	DRILLER D. Pina
DATE OF MEASUREMENT: 8/3/04	INSPECTOR G. Sleen

	SAMPLE	CORE	CASING
TYPE	Macro	2.0'	N/A
DIA.	1.0'	2.0'	N/A
WEIGHT	N/A		
FALL	N/A		

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration	Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
						Br Cy Sa fS	Top Soil
1							Fill
2	S-1		4.0	4.0	SP	Br Gr-Br $, a fS, s fG, rbl Brownish Gray to Brow Silty fine Sand, some fine Gravel, Noble	PID = 0.0 Saturated @ 1.5 loosely compact no odor
3							
4							
					SP	Br Bl, $ a fS, Gl	PID = 0.0
5						5.5'	
			4.4	3.5		Dk Gr Br #4C, a O, alt sms #4C, Cy#, a O, w2	fluvial deposits back swamp
6	S-2				ML	Dark Greyish Brown Silty Clay and Organics, alternating thin seams of Silty Clay, clay silt and organics/wood.	Heavy organics. moderately compact.
7							
8							
							No recovery
9	S-3		0	0.0			
10							

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. GP-2A
12' East of 's Porch.

PROJECT: Old Erie Canal Site, Clyde, New York
SHEET 2 OF 2
CLIENT: Parker Hannifin
JOB NO. 35313.003.003

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
11	S-3		0.0/0.0			No recovery
12				ML	Gr. G$, 1FS occ. Bivalve	saturated. no odor PID = 0.0 moderately Compact Sticky Silty Clay
13						
14	S-4		4.0/4.0			
15						
16				ML	Gr G$ 2 FS	
17					Gr Cy $, 1FS. Gray Clayey SILT, little fine Sand	Sticky clayey Silts no odor PID = 0.0 loosely Compact.
18	S-5		4.0/3.5	ML		
19						
20					Gr. Cy $, 1FS, s mfG Gray Clayey Silt, little fine Sand, some medium fine Gravel 20.0	refusal @ 20.0
21						
22						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. GP-3A
N. of Cole Residence

SHEET 1 OF 2

PROJECT: Old Erie Canal Site, Clyde, New York
JOB NO. 35313.003.03

CLIENT: Parker Hannifin
MEAS. PT. ELEV. NA

DRILLING CONTRACTOR: Parratt Wolff
GROUND ELEV. NA

PURPOSE: Soil and Groundwater Investigation
DATUM Ground Surface

DRILLING METHOD: Geoprobe	SAMPLE	CORE	CASING
DRILL RIG TYPE: ATV mounted	TYPE: Macro	2.0'	N/A
GROUND WATER DEPTH: 4.97	DIA.: 1.0'	2.0'	N/A
MEASURING POINT: PVC	WEIGHT: N/A		
DATE OF MEASUREMENT: 8/6/04	FALL: N/A		

DATE STARTED 8/6/04
DATE FINISHED 8/6/04
DRILLER Dominic Pino
INSPECTOR G. Sleeman

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration	Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
1	S-1		4.0	3.2	SC	DK Br Cy$, a cmf S, s mf G, rbl Dark Brown Clay Silt and coarse, medium fine Sand, some medium fine Gravel, rubble	F, FI PID No odor moderate compact
2							
3						3.1	saturated at 3.0
						Gr Cy$, a FS.	Fluvial saturated
4					CL	Br $, a FS	no odor
5	S-2		4.0	1.5		Gray Silty Clay, little fine Sand	PID = 0.0
6					CL	Gr $y C, 1 FS	Clay alternates from stiff to stiff.
7							
8	S-3		4.0	3.7	CL	Br Gr Cy$	no odor saturated
9						G $, a FS	loosely compact
10							

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. GP-3A

PROJECT: Old Erie Canal Site, Clyde, New York

CLIENT: Parker Hannifin

SHEET 2 OF 2

JOB NO. 35313.003.003

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration / Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
			4.0 / 3.7		Gr $, a f S Gray Silt, and fine Sand	PID=0.0
11	S3			CL		Saturated NO ODOR.
					Gr $, a fS, s fG	
12					12.0	
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. GP-4A

PROJECT: Old Erie Canal Site, Clyde, New York
CLIENT: Parker Hannifin
DRILLING CONTRACTOR: Parratt Wolff
PURPOSE: Soil and Groundwater Investigation
DRILLING METHOD: Geoprobe
DRILL RIG TYPE: ATV mounted
GROUND WATER DEPTH: Dry
MEASURING POINT: —
DATE OF MEASUREMENT: 8/2/04

	SAMPLE	CORE	CASING
TYPE	Macro	2.0'	N/A
DIA.	1.0'	2.0'	N/A
WEIGHT	N/A		
FALL	N/A		

SHEET 1 OF 1
JOB NO. 35313.003.03
MEAS. PT. ELEV. NA
GROUND ELEV. NA
DATUM Groundsurface
DATE STARTED 8/2/04
DATE FINISHED 8/2/04
DRILLER
INSPECTOR G. Sleeman

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
1				SC	DK Br Cy$, a mf S, gls, rbl Dark Brown Clayfslt and medium fine Sand, Glass, rubble 1.5	Fill moist
2	S1		40/40		tn br C, l $, + fS	Fluvial Deposits
3				ML	Yellowish Gray, Clay, little Silt trace fine Sand	PID=0.0 no odor moist
4					45	
5				ML	Rd. Br Cy$; sm fS, l m fG.	weathered till
6	S2		40/40	CL	rd br $yC, l mf S, s mf G Reddish Brown Silty Clay, little medium fine Sand, some medium fine Gravel	Till no odor moist PID=0.0
7						↓
8					80	Dry
9						
10						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

BORING NO. GP-5A

PROJECT: Old Erie Canal Site, Clyde, New York	SHEET 1 OF
CLIENT: Parker Hannifin	JOB NO. 35313.003.03
DRILLING CONTRACTOR: Parratt Wolff	MEAS. PT. ELEV. NA
PURPOSE: Soil and Groundwater Investigation	GROUND ELEV. NA
DRILLING METHOD: Geoprobe	DATUM Ground surface.
DRILL RIG TYPE: ATV mounted	DATE STARTED 8/2/04
GROUND WATER DEPTH: Dry	DATE FINISHED 8/2/04
MEASURING POINT: ———	DRILLER Dominic Pino
DATE OF MEASUREMENT: 8/2/04	INSPECTOR G. Sleeman

	SAMPLE	CORE	CASING
TYPE	Macro	2.0'	N/A
DIA.	1.0'	2.0'	N/A
WEIGHT	N/A		
FALL	N/A		

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
1	S1		4"/4.0	SP	Bk - GrBk mfS, Gls, rbl Black to Grayish Black, medium fine Sand, Glass, rubble	loose to Compact Fill
2					2.1	
3				CL	Rd Br Cy# - $y C, l mf S, l fG Reddish Brown Clay Silt to Silty Clay, little medium fine Sand, little fine Gravel.	Till Dry PID = 0.0
4	S2		1.0"/1.0			PID = 0.0
5					5.0	refusal @ 5.0'
6						
7						
8						
9						
10						

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

PROJECT: Old Erie Canal Site, Clyde, New York					SHEET 1 OF 1
CLIENT: Parker Hannifin					JOB NO. 35313.003.03
DRILLING CONTRACTOR: Parratt Wolff					MEAS. PT. ELEV. NA
PURPOSE: Soil and Groundwater Investigation					GROUND ELEV. NA
DRILLING METHOD: Geoprobe		SAMPLE	CORE	CASING	DATUM Ground Surface
DRILL RIG TYPE: ATV mounted	TYPE	Macro	2.0'	N/A	DATE STARTED 8/2/04
GROUND WATER DEPTH: Dry	DIA.	1.0'	2.0'	N/A	DATE FINISHED 8/2/04
MEASURING POINT: PVC	WEIGHT	N/A			DRILLER Dominic Pino
DATE OF MEASUREMENT: 8/3/04	FALL	N/A			INSPECTOR G. Sleeman

BORING NO. GP-6A

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration / Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
0–2	S1		40/3.4	ML	Dark Brown Clay Silty, little fine Sand Dk Br Y_4C, l fS	Fill no odor
2–3.4					Br C$, a fS	PID = 0.0 moderately Compact.
3.4						
3.4–5.5				SW SW	Yellowish Brown medium fine Sand Yw Br mfS	Saturated @ 3.2' PID = 0.0
5.5	S-2		30/30			
5.5–7.0				CL	Rd Br Y_4C, s mfS, l mfG Reddish Brown Silty Clay, some medium fine Sand, little medium fine Gravel	Fill very Compact Dry no odor
7.0						refusal @ 7.0'
8						
9						
10						

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	BORING NO. GP-7A

PROJECT: Old Erie Canal Site, Clyde, New York	SHEET 1 OF 1
CLIENT: Parker Hannifin	JOB NO. 35313.003.03
DRILLING CONTRACTOR: Parratt Wolff	MEAS. PT. ELEV. NA
PURPOSE: Soil and Groundwater Investigation	GROUND ELEV. NA

		SAMPLE	CORE	CASING	
DRILLING METHOD: Geoprobe					DATUM Ground surface
DRILL RIG TYPE: ATV mounted	TYPE	Macro	2.0'	N/A	DATE STARTED 8/2/04
GROUND WATER DEPTH: 6.97	DIA.	1.0'	2.0'	N/A	DATE FINISHED 8/2/04
MEASURING POINT: PVC	WEIGHT	N/A			DRILLER Dominic Pino
DATE OF MEASUREMENT: 8/3/04	FALL	N/A			INSPECTOR G. Sleeman

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
0–1.5				GM	DkBr C,$,o,sfGr	Fill / Topsoil. PID
1.5–4	S-1		4.0/4.0	SM	Brown medium to fine Sand Br mfS	Saturated. no odor PID = 0.0
4					Br Gr $yC	very compact moist
	S-2		4.0/4.0	ML	YwBr mfS, a GrC, mttd Yelowish Brown medium fine Sand with Grey mottles	Saturated no odor
7.8–8.0					RDBr $yC, s mfS, sfG	Till.

Depth markers: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Appendix C

Sub-Slab Soil Gas Sampling Results

Sub-Slab Soil Gas Sample Results
August 2-4, 2004

Old Erie Canal Site
Clyde, New York

COMPOUND	*SG-1*	*SG-2*	*SG-3*	*SG-4*	*SG-5*	*SG-6*	*SG-7*	*SG-8*	*SG-9*
Chloromethane	4.1 U	5.2 U	41 U	4.1 U	10 U	41 U	5.2 U	52 U	410 U
Vinyl Chloride	5.1 U	6.4 U	51 U	5.1 U	13 U	51 U	6.4 U	64 U	510 U
Chloroethane	5.3 U	6.6 U	53 U	5.3 U	13 U	53 U	6.6 U	66 U	530 U
Freon TF	92	34	150 U	42	38 U	150 U	30	190 U	1,500 U
1,1-Dichloroethene	7.9 U	9.9 U	79 U	7.9 U	20 U	79 U	9.9 U	99 U	790 U
Methylene Chloride	120	8.7 U	69 U	6.9 U	17 U	69 U	8.7 U	87 U	690 U
1,1-Dichloroethane	8.1 U	10 U	81 U	8.1 U	20 U	81 U	10 U	100 U	810 U
cis-1,2-Dichloroethene	29	52	630	150	480	250	9.9 U	1,300	4,400
Chloroform	9.8 U	12 U	98 U	9.8 U	24 U	98 U	12 U	120 U	980 U
1,1,1-Trichloroethane	11 U	14 U	110 U	53	52	110 U	15	370	1,100 U
Carbon Tetrachloride	13 U	16 U	130 U	13 U	31 U	130 U	16 U	160 U	1,300 U
Benzene	6.4 U	8.0 U	64 U	6.4 U	26	64 U	8.0 U	80 U	640 U
1,2-Dichloroethane	8.1 U	10 U	81 U	8.1 U	20 U	81 U	10 U	100 U	810 U
Trichloroethene	700	81	3,100	540	1,700	3,200	340	8,100	46,000
cis-1,3-Dichloropropene	9.1 U	11 U	91 U	9.1 U	23 U	91 U	11 U	110 U	910 U
Tetrachloroethene	14	17 U	140 U	25	140	140 U	17 U	180	1,400 U
Ethylbenzene	8.7 U	20	110 NJ	8.7 U	740	690	610	2,700	870 U
1,1,2,2-Tetrachloroethane	14 U	17 U	140 U	14 U	34 U	140 U	17 U	170 U	1,400 U
1,4-Dichlorobenzene	12 U	15 U	120 U	12 U	30 U	120 U	15 U	150 U	1,200 U
Hexachlorobutadiene	21 U	27 UJ	210 UJ	21 UJ	53 UJ	210 UJ	27 UJ	270 U	2,100 U
1,2-Dibromoethane	15 U	19 U	150 U	15 U	38 U	150 U	19 U	190 U	1,500 U
trans-1,2-Dichloroethene	7.9 U	22	310	19	59	79 U	9.9 U	99 U	790 U
1,2-Dichloroethene (total)	28	71	950	160	520	230	9.9 U	1,200	3,900

Notes:

1. All units in ug/m^3.
2. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
3. Volatile organic compounds quantitated by EPA TO-15
4. U designates compound was not detected at or above the quantitation limit shown.
5. NJ designates that the presense of an analyte that has been "tentatively identified" and the associated numerical value represents it's approximate concentration
6. UJ designates that the reported quantitation limit should be considered estimated because associated QC criteria was exceeded.

Sub-Slab Soil Gas Sample Results
August 2-4, 2004

Old Erie Canal Site
Clyde, New York

COMPOUND	*SG-10*	*SG-11*	*SG-12*	*SG-13*	*SG-14*	*SG-15*	*SG-16*	*SG-17*	*SG-18*
Chloromethane	21 U	10 U	210 U	410 U	41 U	2.1 U	41 U	2.1 U	520 U
Vinyl Chloride	26 U	13 U	260 U	510 U	51 U	2.6 U	51 U	2.6 U	640 U
Chloroethane	26 U	13 U	260 U	530 U	53 U	2.6 U	53 U	2.6 U	660 U
Freon TF	150	38 U	770 U	1,500 U	150 U	7.7 U	250	7.7 U	1,900 U
1,1-Dichloroethene	40 U	20 U	400 U	790 U	79 U	4.0 U	79 U	4.0 U	990 U
Methylene Chloride	35 U	17 U	350 U	690 U	69 U	3.5 U	69 U	3.5 U	870 U
1,1-Dichloroethane	40 U	20 U	400 U	810 U	81 U	4.0 U	81 U	4.0 U	1,000 U
cis-1,2-Dichloroethene	1,900	270	4,000	3,100	560	5.6	5,200	19	8,300
Chloroform	49 U	24 U	490 U	980 U	98 U	4.9 U	98 U	4.9 U	1,200 U
1,1,1-Trichloroethane	270	27 U	550 U	1,100 U	110 U	8.7	270	7.1	1,400 U
Carbon Tetrachloride	63 U	31 U	630 U	1,300 U	130 U	6.9	130 U	6.3 U	1,600 U
Benzene	32 U	16 U	320 U	640 U	64 U	3.2 U	64 U	4.5	800 U
1,2-Dichloroethane	40 U	20 U	400 U	810 U	81 U	4.0 U	81 U	4.0 U	1,000 U
Trichloroethene	3,200	1,600	17,000	36,000	6,400	260	6,400	440	54,000
cis-1,3-Dichloropropene	45 U	23 U	450 U	910 U	91 U	4.5 U	91 U	4.5 U	1,100 U
Tetrachloroethene	95	120 J	2,600	1,400 U	140 U	6.8 U	140 U	8.8 J	1,700 U
Ethylbenzene	43 U	960 J	780	870 U	780	4.3 U	87 U	27 NJ	1,100 U
1,1,2,2-Tetrachloroethane	69 U	34 UJ	690 U	1,400 U	140 U	6.9 U	140 U	6.9 UJ	1,700 U
1,4-Dichlorobenzene	60 U	30 UJ	600 U	1,200 U	120 U	6.0 U	120 U	6.0 UJ	1,500 U
Hexachlorobutadiene	110 U	53 UJ	1,100 U	2,100 U	210 U	11 U	210 U	11 UJ	2,700 U
1,2-Dibromoethane	77 U	38 UJ	770 U	1,500 U	150 U	7.7 U	150 U	7.7 UJ	1,900 U
trans-1,2-Dichloroethene	40	33	400 U	790 U	130	4.0	950	7.1	990 U
1,2-Dichloroethene (total)	1,800	280	3,800	2,800	670	9.5	5,600	25	7,500

Notes:

1. All units in ug/m^3.
2. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
3. Volatile organic compounds quantitated by EPA TO-15
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.
6. NJ designates that the presense of an analyte that has been "tentatively identified" and the associated numerical value represents it's approximate concentration
7. UJ designates that the reported quantitation limit should be considered estimated because associated QC criteria was exceeded.

Sub-Slab Soil Gas Sample Results
August 2-4, 2004

Old Erie Canal Site
Clyde, New York

COMPOUND	*SG-19*	*SG-20*	*SG-21*	*SG-22*	*SG-23*	*SG-24*	*SG-25*	*SG-26*	*SG-27*
Chloromethane	41 U	10 U	21 U	21 U	10 U	10 U	1.0 U	41 U	410 U
Vinyl Chloride	51 U	13 U	26 U	26 U	13 U	13 U	1.3 U	51 U	510 U
Chloroethane	53 U	13 U	26 U	26 U	13 U	13 U	1.3 U	53 U	530 U
Freon TF	150 U	38 U	210	77 U	490	92	14	150 U	1,500 U
1,1-Dichloroethene	79 U	20 U	40 U	40 U	20 U	20 U	2.0 U	79 U	790 U
Methylene Chloride	69 U	17 U	35 U	35 U	17 U	17 U	1.7 U	69 U	690 U
1,1-Dichloroethane	81 U	20 U	40 U	40 U	20 U	20 U	2.0 U	81 U	810 U
cis-1,2-Dichloroethene	1,500	790	79	520	230	20 U	2.0 U	110	17,000
Chloroform	98 U	24 U	49 U	49 U	24 U	24 U	2.4 U	98 U	980 U
1,1,1-Trichloroethane	110 U	27 U	55 U	55 U	71	43	10	110 U	1,100 U
Carbon Tetrachloride	130 U	31 U	63 U	63 U	31 U	31 U	3.1 U	130 U	1,300 U
Benzene	64 U	16 U	32 U	32 U	16 U	16 U	5.4	64 U	640 U
1,2-Dichloroethane	81 U	20 U	40 U	40 U	20 U	20 U	2.0 U	81 U	810 U
Trichloroethene	3,900	1,300	2,400	3,500	2,900	1,300	97	6,400	75,000
cis-1,3-Dichloropropene	91 U	23 U	45 U	45 U	23 U	23 U	2.3 U	91 U	910 U
Tetrachloroethene	140 U	34 U	68 U	68 U	120 J	34 U	16 J	140 U	1,400 U
Ethylbenzene	87 U	43 NJ	43 U	43 U	83 NJ	22 U	18 J	87 U	870 U
1,1,2,2-Tetrachloroethane	140 U	34 U	69 U	69 U	34 UJ	34 U	3.4 UJ	140 U	1,400 U
1,4-Dichlorobenzene	120 U	30 U	60 U	60 U	30 UJ	30 U	3.0 UJ	120 U	1,200 U
Hexachlorobutadiene	210 UJ	53 UJ	110 UJ	110 UJ	53 UJ	53 UJ	5.3 UJ	210 U	2,100 U
1,2-Dibromoethane	150 U	38 U	77 U	77 U	38 UJ	38 U	3.8 UJ	150 U	1,500 U
trans-1,2-Dichloroethene	79 U	20 U	87	44	99	20 U	2.0 U	79 U	950
1,2-Dichloroethene (total)	1,400	750	170	560	320	20 U	2.0 U	110	17,000

Notes:

1. All units in ug/m^3.
2. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
3. Volatile organic compounds quantitated by EPA TO-15
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.
6. NJ designates that the presense of an analyte that has been "tentatively identified" and the associated numerical value represents it's approximate concentration
7. UJ designates that the reported quantitation limit should be considered estimated because associated QC criteria was exceeded.

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-1 (CAN 6519)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581329

Date Analyzed: 08/10/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	2.0	U	2.0	4.1	U	4.1
Vinyl Chloride	75-01-4	2.0	U	2.0	5.1	U	5.1
Chloroethane	75-00-3	2.0	U	2.0	5.3	U	5.3
Freon TF	76-13-1	12		2.0	92		15
1,1-Dichloroethene	75-35-4	2.0	U	2.0	7.9	U	7.9
Methylene Chloride	75-09-2	35		2.0	120		6.9
1,1-Dichloroethane	75-34-3	2.0	U	2.0	8.1	U	8.1
cis-1,2-Dichloroethene	156-59-2	7.4		2.0	29		7.9
Chloroform	67-66-3	2.0	U	2.0	9.8	U	9.8
1,1,1-Trichloroethane	71-55-6	2.0	U	2.0	11	U	11
Carbon Tetrachloride	56-23-5	2.0	U	2.0	13	U	13
Benzene	71-43-2	2.0	U	2.0	6.4	U	6.4
1,2-Dichloroethane	107-06-2	2.0	U	2.0	8.1	U	8.1
Trichloroethene	79-01-6	130		2.0	700		11
cis-1,3-Dichloropropene	10061-01-5	2.0	U	2.0	9.1	U	9.1
Tetrachloroethene	127-18-4	2.1		2.0	14		14
Ethylbenzene	100-41-4	2.0	U	2.0	8.7	U	8.7
1,1,2,2-Tetrachloroethane	79-34-5	2.0	U	2.0	14	U	14
1,4-Dichlorobenzene	106-46-7	2.0	U	2.0	12	U	12
Hexachlorobutadiene	87-68-3	2.0	U	2.0	21	U	21
1,2-Dibromoethane	106-93-4	2.0	U	2.0	15	U	15
trans-1,2-Dichloroethene	156-60-5	2.0	U	2.0	7.9	U	7.9
1,2-Dichloroethene (total)	540-59-0	7.0		2.0	28		7.9

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-2 (CAN 6440)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581330

Date Analyzed: 08/12/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	2.5	U	2.5	5.2	U	5.2
Vinyl Chloride	75-01-4	2.5	U	2.5	6.4	U	6.4
Chloroethane	75-00-3	2.5	U	2.5	6.6	U	6.6
Freon TF	76-13-1	4.4		2.5	34		19
1,1-Dichloroethene	75-35-4	2.5	U	2.5	9.9	U	9.9
Methylene Chloride	75-09-2	2.5	U	2.5	8.7	U	8.7
1,1-Dichloroethane	75-34-3	2.5	U	2.5	10	U	10
cis-1,2-Dichloroethene	156-59-2	13		2.5	52		9.9
Chloroform	67-66-3	2.5	U	2.5	12	U	12
1,1,1-Trichloroethane	71-55-6	2.5	U	2.5	14	U	14
Carbon Tetrachloride	56-23-5	2.5	U	2.5	16	U	16
Benzene	71-43-2	2.5	U	2.5	8.0	U	8.0
1,2-Dichloroethane	107-06-2	2.5	U	2.5	10	U	10
Trichloroethene	79-01-6	15		2.5	81		13
cis-1,3-Dichloropropene	10061-01-5	2.5	U	2.5	11	U	11
Tetrachloroethene	127-18-4	2.5	U	2.5	17	U	17
Ethylbenzene	100-41-4	4.6		2.5	20		11
1,1,2,2-Tetrachloroethane	79-34-5	2.5	U	2.5	17	U	17
1,4-Dichlorobenzene	106-46-7	2.5	U	2.5	15	U	15
Hexachlorobutadiene	87-68-3	2.5	U J	2.5	27	U J	27
1,2-Dibromoethane	106-93-4	2.5	U	2.5	19	U	19
trans-1,2-Dichloroethene	156-60-5	5.5		2.5	22		9.9
1,2-Dichloroethene (total)	540-59-0	18		2.5	71		9.9

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-3 (CAN 6329a)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581331

Date Analyzed: 08/12/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	20	U	20	41	U	41
Vinyl Chloride	75-01-4	20	U	20	51	U	51
Chloroethane	75-00-3	20	U	20	53	U	53
Freon TF	76-13-1	20	U	20	150	U	150
1,1-Dichloroethene	75-35-4	20	U	20	79	U	79
Methylene Chloride	75-09-2	20	U	20	69	U	69
1,1-Dichloroethane	75-34-3	20	U	20	81	U	81
cis-1,2-Dichloroethene	156-59-2	160		20	630		79
Chloroform	67-66-3	20	U	20	98	U	98
1,1,1-Trichloroethane	71-55-6	20	U	20	110	U	110
Carbon Tetrachloride	56-23-5	20	U	20	130	U	130
Benzene	71-43-2	20	U	20	64	U	64
1,2-Dichloroethane	107-06-2	20	U	20	81	U	81
Trichloroethene	79-01-6	570		20	3100		110
cis-1,3-Dichloropropene	10061-01-5	20	U	20	91	U	91
Tetrachloroethene	127-18-4	20	U	20	140	U	140
Ethylbenzene	100-41-4	25	NJ	20	110	NJ	87
1,1,2,2-Tetrachloroethane	79-34-5	20	U	20	140	U	140
1,4-Dichlorobenzene	106-46-7	20	U	20	120	U	120
Hexachlorobutadiene	87-68-3	20	U J	20	210	U J	210
1,2-Dibromoethane	106-93-4	20	U	20	150	U	150
trans-1,2-Dichloroethene	156-60-5	79		20	310		79
1,2-Dichloroethene (total)	540-59-0	240		20	950		79

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-4 (CAN 6470)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581332

Date Analyzed: 08/11/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	2.0	U	2.0	4.1	U	4.1
Vinyl Chloride	75-01-4	2.0	U	2.0	5.1	U	5.1
Chloroethane	75-00-3	2.0	U	2.0	5.3	U	5.3
Freon TF	76-13-1	5.5		2.0	42		15
1,1-Dichloroethene	75-35-4	2.0	U	2.0	7.9	U	7.9
Methylene Chloride	75-09-2	2.0	U	2.0	6.9	U	6.9
1,1-Dichloroethane	75-34-3	2.0	U	2.0	8.1	U	8.1
cis-1,2-Dichloroethene	156-59-2	38		2.0	150		7.9
Chloroform	67-66-3	2.0	U	2.0	9.8	U	9.8
1,1,1-Trichloroethane	71-55-6	9.8		2.0	53		11
Carbon Tetrachloride	56-23-5	2.0	U	2.0	13	U	13
Benzene	71-43-2	2.0	U	2.0	6.4	U	6.4
1,2-Dichloroethane	107-06-2	2.0	U	2.0	8.1	U	8.1
Trichloroethene	79-01-6	100		2.0	540		11
cis-1,3-Dichloropropene	10061-01-5	2.0	U	2.0	9.1	U	9.1
Tetrachloroethene	127-18-4	3.7		2.0	25		14
Ethylbenzene	100-41-4	2.0	U	2.0	8.7	U	8.7
1,1,2,2-Tetrachloroethane	79-34-5	2.0	U	2.0	14	U	14
1,4-Dichlorobenzene	106-46-7	2.0	U	2.0	12	U	12
Hexachlorobutadiene	87-68-3	2.0	U J	2.0	21	U J	21
1,2-Dibromoethane	106-93-4	2.0	U	2.0	15	U	15
trans-1,2-Dichloroethene	156-60-5	4.8		2.0	19		7.9
1,2-Dichloroethene (total)	540-59-0	41		2.0	160		7.9

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-5 (CAN 6209)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581333

Date Analyzed: 08/11/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	5.0	U	5.0	10	U	10
Vinyl Chloride	75-01-4	5.0	U	5.0	13	U	13
Chloroethane	75-00-3	5.0	U	5.0	13	U	13
Freon TF	76-13-1	5.0	U	5.0	38	U	38
1,1-Dichloroethene	75-35-4	5.0	U	5.0	20	U	20
Methylene Chloride	75-09-2	5.0	U	5.0	17	U	17
1,1-Dichloroethane	75-34-3	5.0	U	5.0	20	U	20
cis-1,2-Dichloroethene	156-59-2	120		5.0	480		20
Chloroform	67-66-3	5.0	U	5.0	24	U	24
1,1,1-Trichloroethane	71-55-6	9.6		5.0	52		27
Carbon Tetrachloride	56-23-5	5.0	U	5.0	31	U	31
Benzene	71-43-2	8.0		5.0	26		16
1,2-Dichloroethane	107-06-2	5.0	U	5.0	20	U	20
Trichloroethene	79-01-6	320		5.0	1700		27
cis-1,3-Dichloropropene	10061-01-5	5.0	U	5.0	23	U	23
Tetrachloroethene	127-18-4	20		5.0	140		34
Ethylbenzene	100-41-4	170		5.0	740		22
1,1,2,2-Tetrachloroethane	79-34-5	5.0	U	5.0	34	U	34
1,4-Dichlorobenzene	106-46-7	5.0	U	5.0	30	U	30
Hexachlorobutadiene	87-68-3	5.0	U J	5.0	53	U J	53
1,2-Dibromoethane	106-93-4	5.0	U	5.0	38	U	38
trans-1,2-Dichloroethene	156-60-5	15		5.0	59		20
1,2-Dichloroethene (total)	540-59-0	130		5.0	520		20

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-6 (CAN 6317)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581334

Date Analyzed: 08/11/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	20	U	20	41	U	41
Vinyl Chloride	75-01-4	20	U	20	51	U	51
Chloroethane	75-00-3	20	U	20	53	U	53
Freon TF	76-13-1	20	U	20	150	U	150
1,1-Dichloroethene	75-35-4	20	U	20	79	U	79
Methylene Chloride	75-09-2	20	U	20	69	U	69
1,1-Dichloroethane	75-34-3	20	U	20	81	U	81
cis-1,2-Dichloroethene	156-59-2	62		20	250		79
Chloroform	67-66-3	20	U	20	98	U	98
1,1,1-Trichloroethane	71-55-6	20	U	20	110	U	110
Carbon Tetrachloride	56-23-5	20	U	20	130	U	130
Benzene	71-43-2	20	U	20	64	U	64
1,2-Dichloroethane	107-06-2	20	U	20	81	U	81
Trichloroethene	79-01-6	600		20	3200		110
cis-1,3-Dichloropropene	10061-01-5	20	U	20	91	U	91
Tetrachloroethene	127-18-4	20	U	20	140	U	140
Ethylbenzene	100-41-4	160		20	690		87
1,1,2,2-Tetrachloroethane	79-34-5	20	U	20	140	U	140
1,4-Dichlorobenzene	106-46-7	20	U	20	120	U	120
Hexachlorobutadiene	87-68-3	20	U J	20	210	U J	210
1,2-Dibromoethane	106-93-4	20	U	20	150	U	150
trans-1,2-Dichloroethene	156-60-5	20	U	20	79	U	79
1,2-Dichloroethene (total)	540-59-0	58		20	230		79

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-7 (CAN 6742)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581335

Date Analyzed: 08/12/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	2.5	U	2.5	5.2	U	5.2
Vinyl Chloride	75-01-4	2.5	U	2.5	6.4	U	6.4
Chloroethane	75-00-3	2.5	U	2.5	6.6	U	6.6
Freon TF	76-13-1	3.9		2.5	30		19
1,1-Dichloroethene	75-35-4	2.5	U	2.5	9.9	U	9.9
Methylene Chloride	75-09-2	2.5	U	2.5	8.7	U	8.7
1,1-Dichloroethane	75-34-3	2.5	U	2.5	10	U	10
cis-1,2-Dichloroethene	156-59-2	2.5	U	2.5	9.9	U	9.9
Chloroform	67-66-3	2.5	U	2.5	12	U	12
1,1,1-Trichloroethane	71-55-6	2.8		2.5	15		14
Carbon Tetrachloride	56-23-5	2.5	U	2.5	16	U	16
Benzene	71-43-2	2.5	U	2.5	8.0	U	8.0
1,2-Dichloroethane	107-06-2	2.5	U	2.5	10	U	10
Trichloroethene	79-01-6	63		2.5	340		13
cis-1,3-Dichloropropene	10061-01-5	2.5	U	2.5	11	U	11
Tetrachloroethene	127-18-4	2.5	U	2.5	17	U	17
Ethylbenzene	100-41-4	140		2.5	610		11
1,1,2,2-Tetrachloroethane	79-34-5	2.5	U	2.5	17	U	17
1,4-Dichlorobenzene	106-46-7	2.5	U	2.5	15	U	15
Hexachlorobutadiene	87-68-3	2.5	U J	2.5	27	U J	27
1,2-Dibromoethane	106-93-4	2.5	U	2.5	19	U	19
trans-1,2-Dichloroethene	156-60-5	2.5	U	2.5	9.9	U	9.9
1,2-Dichloroethene (total)	540-59-0	2.5	U	2.5	9.9	U	9.9

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-8 (CAN 6595)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581345

Date Analyzed: 08/11/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	25	U	25	52	U	52
Vinyl Chloride	75-01-4	25	U	25	64	U	64
Chloroethane	75-00-3	25	U	25	66	U	66
Freon TF	76-13-1	25	U	25	190	U	190
1,1-Dichloroethene	75-35-4	25	U	25	99	U	99
Methylene Chloride	75-09-2	25	U	25	87	U	87
1,1-Dichloroethane	75-34-3	25	U	25	100	U	100
cis-1,2-Dichloroethene	156-59-2	320		25	1300		99
Chloroform	67-66-3	25	U	25	120	U	120
1,1,1-Trichloroethane	71-55-6	68		25	370		140
Carbon Tetrachloride	56-23-5	25	U	25	160	U	160
Benzene	71-43-2	25	U	25	80	U	80
1,2-Dichloroethane	107-06-2	25	U	25	100	U	100
Trichloroethene	79-01-6	1500		25	8100		130
cis-1,3-Dichloropropene	10061-01-5	25	U	25	110	U	110
Tetrachloroethene	127-18-4	26		25	180		170
Ethylbenzene	100-41-4	620		25	2700		110
1,1,2,2-Tetrachloroethane	79-34-5	25	U	25	170	U	170
1,4-Dichlorobenzene	106-46-7	25	U	25	150	U	150
Hexachlorobutadiene	87-68-3	25	U	25	270	U	270
1,2-Dibromoethane	106-93-4	25	U	25	190	U	190
trans-1,2-Dichloroethene	156-60-5	25	U	25	99	U	99
1,2-Dichloroethene (total)	540-59-0	300		25	1200		99

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-9

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581430

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	200	U	200	410	U	410
Vinyl Chloride	75-01-4	200	U	200	510	U	510
Chloroethane	75-00-3	200	U	200	530	U	530
Freon TF	76-13-1	200	U	200	1500	U	1500
1,1-Dichloroethene	75-35-4	200	U	200	790	U	790
Methylene Chloride	75-09-2	200	U	200	690	U	690
1,1-Dichloroethane	75-34-3	200	U	200	810	U	810
cis-1,2-Dichloroethene	156-59-2	1100		200	4400		790
Chloroform	67-66-3	200	U	200	980	U	980
1,1,1-Trichloroethane	71-55-6	200	U	200	1100	U	1100
Carbon Tetrachloride	56-23-5	200	U	200	1300	U	1300
Benzene	71-43-2	200	U	200	640	U	640
1,2-Dichloroethane	107-06-2	200	U	200	810	U	810
Trichloroethene	79-01-6	8600		200	46000		1100
cis-1,3-Dichloropropene	10061-01-5	200	U	200	910	U	910
Tetrachloroethene	127-18-4	200	U	200	1400	U	1400
Ethylbenzene	100-41-4	200	U	200	870	U	870
1,1,2,2-Tetrachloroethane	79-34-5	200	U	200	1400	U	1400
1,4-Dichlorobenzene	106-46-7	200	U	200	1200	U	1200
Hexachlorobutadiene	87-68-3	200	U	200	2100	U	2100
1,2-Dibromoethane	106-93-4	200	U	200	1500	U	1500
trans-1,2-Dichloroethene	156-60-5	200	U	200	790	U	790
1,2-Dichloroethene (total)	540-59-0	990		200	3900		790

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-10

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581434

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	10	U	10	21	U	21
Vinyl Chloride	75-01-4	10	U	10	26	U	26
Chloroethane	75-00-3	10	U	10	26	U	26
Freon TF	76-13-1	19		10	150		77
1,1-Dichloroethene	75-35-4	10	U	10	40	U	40
Methylene Chloride	75-09-2	10	U	10	35	U	35
1,1-Dichloroethane	75-34-3	10	U	10	40	U	40
cis-1,2-Dichloroethene	156-59-2	490		10	1900		40
Chloroform	67-66-3	10	U	10	49	U	49
1,1,1-Trichloroethane	71-55-6	50		10	270		55
Carbon Tetrachloride	56-23-5	10	U	10	63	U	63
Benzene	71-43-2	10	U	10	32	U	32
1,2-Dichloroethane	107-06-2	10	U	10	40	U	40
Trichloroethene	79-01-6	600		10	3200		54
cis-1,3-Dichloropropene	10061-01-5	10	U	10	45	U	45
Tetrachloroethene	127-18-4	14		10	95		68
Ethylbenzene	100-41-4	10	U	10	43	U	43
1,1,2,2-Tetrachloroethane	79-34-5	10	U	10	69	U	69
1,4-Dichlorobenzene	106-46-7	10	U	10	60	U	60
Hexachlorobutadiene	87-68-3	10	U	10	110	U	110
1,2-Dibromoethane	106-93-4	10	U	10	77	U	77
trans-1,2-Dichloroethene	156-60-5	10		10	40		40
1,2-Dichloroethene (total)	540-59-0	460		10	1800		40

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-11

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581431

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	5.0	U	5.0	10	U	10
Vinyl Chloride	75-01-4	5.0	U	5.0	13	U	13
Chloroethane	75-00-3	5.0	U	5.0	13	U	13
Freon TF	76-13-1	5.0	U	5.0	38	U	38
1,1-Dichloroethene	75-35-4	5.0	U	5.0	20	U	20
Methylene Chloride	75-09-2	5.0	U	5.0	17	U	17
1,1-Dichloroethane	75-34-3	5.0	U	5.0	20	U	20
cis-1,2-Dichloroethene	156-59-2	68		5.0	270		20
Chloroform	67-66-3	5.0	U	5.0	24	U	24
1,1,1-Trichloroethane	71-55-6	5.0	U	5.0	27	U	27
Carbon Tetrachloride	56-23-5	5.0	U	5.0	31	U	31
Benzene	71-43-2	5.0	U	5.0	16	U	16
1,2-Dichloroethane	107-06-2	5.0	U	5.0	20	U	20
Trichloroethene	79-01-6	290		5.0	1600		27
cis-1,3-Dichloropropene	10061-01-5	5.0	U	5.0	23	U	23
Tetrachloroethene	127-18-4	17		5.0	120		J 34
Ethylbenzene	100-41-4	220		5.0	960		22
1,1,2,2-Tetrachloroethane	79-34-5	5.0	U	5.0	34	U	34
1,4-Dichlorobenzene	106-46-7	5.0	U	5.0	30	U	30
Hexachlorobutadiene	87-68-3	5.0	U	5.0	53	U	53
1,2-Dibromoethane	106-93-4	5.0	U	5.0	38	U	38
trans-1,2-Dichloroethene	156-60-5	8.4		5.0	33		20
1,2-Dichloroethene (total)	540-59-0	71		5.0	280		20

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-11RE

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581431R1

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	5.0	U	5.0	10	U	10
Vinyl Chloride	75-01-4	5.0	U	5.0	13	U	13
Chloroethane	75-00-3	5.0	U	5.0	13	U	13
Freon TF	76-13-1	5.0	U	5.0	38	U	38
1,1-Dichloroethene	75-35-4	5.0	U	5.0	20	U	20
Methylene Chloride	75-09-2	5.0	U	5.0	17	U	17
1,1-Dichloroethane	75-34-3	5.0	U	5.0	20	U	20
cis-1,2-Dichloroethene	156-59-2	68		5.0	270		20
Chloroform	67-66-3	5.0	U	5.0	24	U	24
1,1,1-Trichloroethane	71-55-6	5.0	U	5.0	27	U	27
Carbon Tetrachloride	56-23-5	5.0	U	5.0	31	U	31
Benzene	71-43-2	5.0	U	5.0	16	U	16
1,2-Dichloroethane	107-06-2	5.0	U	5.0	20	U	20
Trichloroethene	79-01-6	280		5.0	1500		27
cis-1,3-Dichloropropene	10061-01-5	5.0	U	5.0	23	U	23
Tetrachloroethene	127-18-4	16		5.0	110		34
Ethylbenzene	100-41-4	200		5.0	870		22
1,1,2,2-Tetrachloroethane	79-34-5	5.0	U	5.0	34	U	34
1,4-Dichlorobenzene	106-46-7	5.0	U	5.0	30	U	30
Hexachlorobutadiene	87-68-3	5.0	U	5.0	53	U	53
1,2-Dibromoethane	106-93-4	5.0	U	5.0	38	U	38
trans-1,2-Dichloroethene	156-60-5	8.9		5.0	35		20
1,2-Dichloroethene (total)	540-59-0	72		5.0	290		20

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-12

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581435

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	100	U	100	210	U	210
Vinyl Chloride	75-01-4	100	U	100	260	U	260
Chloroethane	75-00-3	100	U	100	260	U	260
Freon TF	76-13-1	100	U	100	770	U	770
1,1-Dichloroethene	75-35-4	100	U	100	400	U	400
Methylene Chloride	75-09-2	100	U	100	350	U	350
1,1-Dichloroethane	75-34-3	100	U	100	400	U	400
cis-1,2-Dichloroethene	156-59-2	1000		100	4000		400
Chloroform	67-66-3	100	U	100	490	U	490
1,1,1-Trichloroethane	71-55-6	100	U	100	550	U	550
Carbon Tetrachloride	56-23-5	100	U	100	630	U	630
Benzene	71-43-2	100	U	100	320	U	320
1,2-Dichloroethane	107-06-2	100	U	100	400	U	400
Trichloroethene	79-01-6	3200		100	17000		540
cis-1,3-Dichloropropene	10061-01-5	100	U	100	450	U	450
Tetrachloroethene	127-18-4	380		100	2600		680
Ethylbenzene	100-41-4	180		100	780		430
1,1,2,2-Tetrachloroethane	79-34-5	100	U	100	690	U	690
1,4-Dichlorobenzene	106-46-7	100	U	100	600	U	600
Hexachlorobutadiene	87-68-3	100	U	100	1100	U	1100
1,2-Dibromoethane	106-93-4	100	U	100	770	U	770
trans-1,2-Dichloroethene	156-60-5	100	U	100	400	U	400
1,2-Dichloroethene (total)	540-59-0	950		100	3800		400

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-13

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581432

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	200	U	200	410	U	410
Vinyl Chloride	75-01-4	200	U	200	510	U	510
Chloroethane	75-00-3	200	U	200	530	U	530
Freon TF	76-13-1	200	U	200	1500	U	1500
1,1-Dichloroethene	75-35-4	200	U	200	790	U	790
Methylene Chloride	75-09-2	200	U	200	690	U	690
1,1-Dichloroethane	75-34-3	200	U	200	810	U	810
cis-1,2-Dichloroethene	156-59-2	770		200	3100		790
Chloroform	67-66-3	200	U	200	980	U	980
1,1,1-Trichloroethane	71-55-6	200	U	200	1100	U	1100
Carbon Tetrachloride	56-23-5	200	U	200	1300	U	1300
Benzene	71-43-2	200	U	200	640	U	640
1,2-Dichloroethane	107-06-2	200	U	200	810	U	810
Trichloroethene	79-01-6	6700		200	36000		1100
cis-1,3-Dichloropropene	10061-01-5	200	U	200	910	U	910
Tetrachloroethene	127-18-4	200	U	200	1400	U	1400
Ethylbenzene	100-41-4	200	U	200	870	U	870
1,1,2,2-Tetrachloroethane	79-34-5	200	U	200	1400	U	1400
1,4-Dichlorobenzene	106-46-7	200	U	200	1200	U	1200
Hexachlorobutadiene	87-68-3	200	U	200	2100	U	2100
1,2-Dibromoethane	106-93-4	200	U	200	1500	U	1500
trans-1,2-Dichloroethene	156-60-5	200	U	200	790	U	790
1,2-Dichloroethene (total)	540-59-0	700		200	2800		790

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-14

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581433

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	20	U	20	41	U	41
Vinyl Chloride	75-01-4	20	U	20	51	U	51
Chloroethane	75-00-3	20	U	20	53	U	53
Freon TF	76-13-1	20	U	20	150	U	150
1,1-Dichloroethene	75-35-4	20	U	20	79	U	79
Methylene Chloride	75-09-2	20	U	20	69	U	69
1,1-Dichloroethane	75-34-3	20	U	20	81	U	81
cis-1,2-Dichloroethene	156-59-2	140		20	560		79
Chloroform	67-66-3	20	U	20	98	U	98
1,1,1-Trichloroethane	71-55-6	20	U	20	110	U	110
Carbon Tetrachloride	56-23-5	20	U	20	130	U	130
Benzene	71-43-2	20	U	20	64	U	64
1,2-Dichloroethane	107-06-2	20	U	20	81	U	81
Trichloroethene	79-01-6	1200		20	6400		110
cis-1,3-Dichloropropene	10061-01-5	20	U	20	91	U	91
Tetrachloroethene	127-18-4	20	U	20	140	U	140
Ethylbenzene	100-41-4	180		20	780		87
1,1,2,2-Tetrachloroethane	79-34-5	20	U	20	140	U	140
1,4-Dichlorobenzene	106-46-7	20	U	20	120	U	120
Hexachlorobutadiene	87-68-3	20	U	20	210	U	210
1,2-Dibromoethane	106-93-4	20	U	20	150	U	150
trans-1,2-Dichloroethene	156-60-5	34		20	130		79
1,2-Dichloroethene (total)	540-59-0	170		20	670		79

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-15 (CAN 6465)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581344

Date Analyzed: 08/11/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	1.0	U	1.0	2.1	U	2.1
Vinyl Chloride	75-01-4	1.0	U	1.0	2.6	U	2.6
Chloroethane	75-00-3	1.0	U	1.0	2.6	U	2.6
Freon TF	76-13-1	1.0	U	1.0	7.7	U	7.7
1,1-Dichloroethene	75-35-4	1.0	U	1.0	4.0	U	4.0
Methylene Chloride	75-09-2	1.0	U	1.0	3.5	U	3.5
1,1-Dichloroethane	75-34-3	1.0	U	1.0	4.0	U	4.0
cis-1,2-Dichloroethene	156-59-2	1.4		1.0	5.6		4.0
Chloroform	67-66-3	1.0	U	1.0	4.9	U	4.9
1,1,1-Trichloroethane	71-55-6	1.6		1.0	8.7		5.5
Carbon Tetrachloride	56-23-5	1.1		1.0	6.9		6.3
Benzene	71-43-2	1.0	U	1.0	3.2	U	3.2
1,2-Dichloroethane	107-06-2	1.0	U	1.0	4.0	U	4.0
Trichloroethene	79-01-6	49		1.0	260		5.4
cis-1,3-Dichloropropene	10061-01-5	1.0	U	1.0	4.5	U	4.5
Tetrachloroethene	127-18-4	1.0	U	1.0	6.8	U	6.8
Ethylbenzene	100-41-4	1.0	U	1.0	4.3	U	4.3
1,1,2,2-Tetrachloroethane	79-34-5	1.0	U	1.0	6.9	U	6.9
1,4-Dichlorobenzene	106-46-7	1.0	U	1.0	6.0	U	6.0
Hexachlorobutadiene	87-68-3	1.0	U	1.0	11	U	11
1,2-Dibromoethane	106-93-4	1.0	U	1.0	7.7	U	7.7
trans-1,2-Dichloroethene	156-60-5	1.0		1.0	4.0		4.0
1,2-Dichloroethene (total)	540-59-0	2.4		1.0	9.5		4.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-16

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581441

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	20	U	20	41	U	41
Vinyl Chloride	75-01-4	20	U	20	51	U	51
Chloroethane	75-00-3	20	U	20	53	U	53
Freon TF	76-13-1	33		20	250		150
1,1-Dichloroethene	75-35-4	20	U	20	79	U	79
Methylene Chloride	75-09-2	20	U	20	69	U	69
1,1-Dichloroethane	75-34-3	20	U	20	81	U	81
cis-1,2-Dichloroethene	156-59-2	1300		20	5200		79
Chloroform	67-66-3	20	U	20	98	U	98
1,1,1-Trichloroethane	71-55-6	50		20	270		110
Carbon Tetrachloride	56-23-5	20	U	20	130	U	130
Benzene	71-43-2	20	U	20	64	U	64
1,2-Dichloroethane	107-06-2	20	U	20	81	U	81
Trichloroethene	79-01-6	1200		20	6400		110
cis-1,3-Dichloropropene	10061-01-5	20	U	20	91	U	91
Tetrachloroethene	127-18-4	20	U	20	140	U	140
Ethylbenzene	100-41-4	20	U	20	87	U	87
1,1,2,2-Tetrachloroethane	79-34-5	20	U	20	140	U	140
1,4-Dichlorobenzene	106-46-7	20	U	20	120	U	120
Hexachlorobutadiene	87-68-3	20	U	20	210	U	210
1,2-Dibromoethane	106-93-4	20	U	20	150	U	150
trans-1,2-Dichloroethene	156-60-5	240		20	950		79
1,2-Dichloroethene (total)	540-59-0	1400		20	5600		79

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-17

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581438

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	1.0	U	1.0	2.1	U	2.1
Vinyl Chloride	75-01-4	1.0	U	1.0	2.6	U	2.6
Chloroethane	75-00-3	1.0	U	1.0	2.6	U	2.6
Freon TF	76-13-1	1.0	U	1.0	7.7	U	7.7
1,1-Dichloroethene	75-35-4	1.0	U	1.0	4.0	U	4.0
Methylene Chloride	75-09-2	1.0	U	1.0	3.5	U	3.5
1,1-Dichloroethane	75-34-3	1.0	U	1.0	4.0	U	4.0
cis-1,2-Dichloroethene	156-59-2	4.9		1.0	19		4.0
Chloroform	67-66-3	1.0	U	1.0	4.9	U	4.9
1,1,1-Trichloroethane	71-55-6	1.3		1.0	7.1		5.5
Carbon Tetrachloride	56-23-5	1.0	U	1.0	6.3	U	6.3
Benzene	71-43-2	1.4		1.0	4.5		3.2
1,2-Dichloroethane	107-06-2	1.0	U	1.0	4.0	U	4.0
Trichloroethene	79-01-6	~~69~~ 81		1.0	~~370~~ 440		5.4
cis-1,3-Dichloropropene	10061-01-5	1.0	U	1.0	4.5	U	4.5
Tetrachloroethene	127-18-4	1.3	J	1.0	8.8	J	6.8
Ethylbenzene	100-41-4	6.2	NJ	1.0	27	NJ	4.3
1,1,2,2-Tetrachloroethane	79-34-5	1.0	U J	1.0	6.9	U J	6.9
1,4-Dichlorobenzene	106-46-7	1.0	U	1.0	6.0	U	6.0
Hexachlorobutadiene	87-68-3	1.0	U	1.0	11	U	11
1,2-Dibromoethane	106-93-4	1.0	U	1.0	7.7	U	7.7
trans-1,2-Dichloroethene	156-60-5	1.8		1.0	7.1		4.0
1,2-Dichloroethene (total)	540-59-0	6.4		1.0	25		4.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-17DL

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581438D1

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	2.0	U	2.0	4.1	U	4.1
Vinyl Chloride	75-01-4	2.0	U	2.0	5.1	U	5.1
Chloroethane	75-00-3	2.0	U	2.0	5.3	U	5.3
Freon TF	76-13-1	2.0	U	2.0	15	U	15
1,1-Dichloroethene	75-35-4	2.0	U	2.0	7.9	U	7.9
Methylene Chloride	75-09-2	2.0	U	2.0	6.9	U	6.9
1,1-Dichloroethane	75-34-3	2.0	U	2.0	8.1	U	8.1
cis-1,2-Dichloroethene	156-59-2	5.0	D	2.0	20	D	7.9
Chloroform	67-66-3	2.0	U	2.0	9.8	U	9.8
1,1,1-Trichloroethane	71-55-6	2.0	U	2.0	11	U	11
Carbon Tetrachloride	56-23-5	2.0	U	2.0	13	U	13
Benzene	71-43-2	2.0	U	2.0	6.4	U	6.4
1,2-Dichloroethane	107-06-2	2.0	U	2.0	8.1	U	8.1
Trichloroethene	79-01-6	81	D	2.0	440	D	11
cis-1,3-Dichloropropene	10061-01-5	2.0	U	2.0	9.1	U	9.1
Tetrachloroethene	127-18-4	2.0	U	2.0	14	U	14
Ethylbenzene	100-41-4	8.7	D	2.0	38	D	8.7
1,1,2,2-Tetrachloroethane	79-34-5	2.0	U	2.0	14	U	14
1,4-Dichlorobenzene	106-46-7	2.0	U	2.0	12	U	12
Hexachlorobutadiene	87-68-3	2.0	U	2.0	21	U	21
1,2-Dibromoethane	106-93-4	2.0	U	2.0	15	U	15
trans-1,2-Dichloroethene	156-60-5	2.0	U	2.0	7.9	U	7.9
1,2-Dichloroethene (total)	540-59-0	4.6	D	2.0	18	D	7.9

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-18

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581436

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	250	U	250	520	U	520
Vinyl Chloride	75-01-4	250	U	250	640	U	640
Chloroethane	75-00-3	250	U	250	660	U	660
Freon TF	76-13-1	250	U	250	1900	U	1900
1,1-Dichloroethene	75-35-4	250	U	250	990	U	990
Methylene Chloride	75-09-2	250	U	250	870	U	870
1,1-Dichloroethane	75-34-3	250	U	250	1000	U	1000
cis-1,2-Dichloroethene	156-59-2	2100		250	8300		990
Chloroform	67-66-3	250	U	250	1200	U	1200
1,1,1-Trichloroethane	71-55-6	250	U	250	1400	U	1400
Carbon Tetrachloride	56-23-5	250	U	250	1600	U	1600
Benzene	71-43-2	250	U	250	800	U	800
1,2-Dichloroethane	107-06-2	250	U	250	1000	U	1000
Trichloroethene	79-01-6	10000		250	54000		1300
cis-1,3-Dichloropropene	10061-01-5	250	U	250	1100	U	1100
Tetrachloroethene	127-18-4	250	U	250	1700	U	1700
Ethylbenzene	100-41-4	250	U	250	1100	U	1100
1,1,2,2-Tetrachloroethane	79-34-5	250	U	250	1700	U	1700
1,4-Dichlorobenzene	106-46-7	250	U	250	1500	U	1500
Hexachlorobutadiene	87-68-3	250	U	250	2700	U	2700
1,2-Dibromoethane	106-93-4	250	U	250	1900	U	1900
trans-1,2-Dichloroethene	156-60-5	250	U	250	990	U	990
1,2-Dichloroethene (total)	540-59-0	1900		250	7500		990

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-19 (CAN 6324)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581343

Date Analyzed: 08/12/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	20	U	20	41	U	41
Vinyl Chloride	75-01-4	20	U	20	51	U	51
Chloroethane	75-00-3	20	U	20	53	U	53
Freon TF	76-13-1	20	U	20	150	U	150
1,1-Dichloroethene	75-35-4	20	U	20	79	U	79
Methylene Chloride	75-09-2	20	U	20	69	U	69
1,1-Dichloroethane	75-34-3	20	U	20	81	U	81
cis-1,2-Dichloroethene	156-59-2	370		20	1500		79
Chloroform	67-66-3	20	U	20	98	U	98
1,1,1-Trichloroethane	71-55-6	20	U	20	110	U	110
Carbon Tetrachloride	56-23-5	20	U	20	130	U	130
Benzene	71-43-2	20	U	20	64	U	64
1,2-Dichloroethane	107-06-2	20	U	20	81	U	81
Trichloroethene	79-01-6	730		20	3900		110
cis-1,3-Dichloropropene	10061-01-5	20	U	20	91	U	91
Tetrachloroethene	127-18-4	20	U	20	140	U	140
Ethylbenzene	100-41-4	20	U	20	87	U	87
1,1,2,2-Tetrachloroethane	79-34-5	20	U	20	140	U	140
1,4-Dichlorobenzene	106-46-7	20	U	20	120	U	120
Hexachlorobutadiene	87-68-3	20	U J	20	210	U J	210
1,2-Dibromoethane	106-93-4	20	U	20	150	U	150
trans-1,2-Dichloroethene	156-60-5	20	U	20	79	U	79
1,2-Dichloroethene (total)	540-59-0	350		20	1400		79

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-20 (CAN 6847)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581336

Date Analyzed: 08/12/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	5.0	U	5.0	10	U	10
Vinyl Chloride	75-01-4	5.0	U	5.0	13	U	13
Chloroethane	75-00-3	5.0	U	5.0	13	U	13
Freon TF	76-13-1	5.0	U	5.0	38	U	38
1,1-Dichloroethene	75-35-4	5.0	U	5.0	20	U	20
Methylene Chloride	75-09-2	5.0	U	5.0	17	U	17
1,1-Dichloroethane	75-34-3	5.0	U	5.0	20	U	20
cis-1,2-Dichloroethene	156-59-2	200		5.0	790		20
Chloroform	67-66-3	5.0	U	5.0	24	U	24
1,1,1-Trichloroethane	71-55-6	5.0	U	5.0	27	U	27
Carbon Tetrachloride	56-23-5	5.0	U	5.0	31	U	31
Benzene	71-43-2	5.0	U	5.0	16	U	16
1,2-Dichloroethane	107-06-2	5.0	U	5.0	20	U	20
Trichloroethene	79-01-6	250		5.0	1300		27
cis-1,3-Dichloropropene	10061-01-5	5.0	U	5.0	23	U	23
Tetrachloroethene	127-18-4	5.0	U	5.0	34	U	34
Ethylbenzene	100-41-4	10	NJ	5.0	43	NJ	22
1,1,2,2-Tetrachloroethane	79-34-5	5.0	U	5.0	34	U	34
1,4-Dichlorobenzene	106-46-7	5.0	U	5.0	30	U	30
Hexachlorobutadiene	87-68-3	5.0	U J	5.0	53	U J	53
1,2-Dibromoethane	106-93-4	5.0	U	5.0	38	U	38
trans-1,2-Dichloroethene	156-60-5	5.0	U	5.0	20	U	20
1,2-Dichloroethene (total)	540-59-0	190		5.0	750		20

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-21 (CAN 6683)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581338

Date Analyzed: 08/12/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	10	U	10	21	U	21
Vinyl Chloride	75-01-4	10	U	10	26	U	26
Chloroethane	75-00-3	10	U	10	26	U	26
Freon TF	76-13-1	28		10	210		77
1,1-Dichloroethene	75-35-4	10	U	10	40	U	40
Methylene Chloride	75-09-2	10	U	10	35	U	35
1,1-Dichloroethane	75-34-3	10	U	10	40	U	40
cis-1,2-Dichloroethene	156-59-2	20		10	79		40
Chloroform	67-66-3	10	U	10	49	U	49
1,1,1-Trichloroethane	71-55-6	10	U	10	55	U	55
Carbon Tetrachloride	56-23-5	10	U	10	63	U	63
Benzene	71-43-2	10	U	10	32	U	32
1,2-Dichloroethane	107-06-2	10	U	10	40	U	40
Trichloroethene	79-01-6	450		10	2400		54
cis-1,3-Dichloropropene	10061-01-5	10	U	10	45	U	45
Tetrachloroethene	127-18-4	10	U	10	68	U	68
Ethylbenzene	100-41-4	10	U	10	43	U	43
1,1,2,2-Tetrachloroethane	79-34-5	10	U	10	69	U	69
1,4-Dichlorobenzene	106-46-7	10	U	10	60	U	60
Hexachlorobutadiene	87-68-3	10	U J	10	110	U J	110
1,2-Dibromoethane	106-93-4	10	U	10	77	U	77
trans-1,2-Dichloroethene	156-60-5	22		10	87		40
1,2-Dichloroethene (total)	540-59-0	42		10	170		40

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-22 (CAN 1767)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581339

Date Analyzed: 08/12/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	10	U	10	21	U	21
Vinyl Chloride	75-01-4	10	U	10	26	U	26
Chloroethane	75-00-3	10	U	10	26	U	26
Freon TF	76-13-1	10	U	10	77	U	77
1,1-Dichloroethene	75-35-4	10	U	10	40	U	40
Methylene Chloride	75-09-2	10	U	10	35	U	35
1,1-Dichloroethane	75-34-3	10	U	10	40	U	40
cis-1,2-Dichloroethene	156-59-2	130		10	520		40
Chloroform	67-66-3	10	U	10	49	U	49
1,1,1-Trichloroethane	71-55-6	10	U	10	55	U	55
Carbon Tetrachloride	56-23-5	10	U	10	63	U	63
Benzene	71-43-2	10	U	10	32	U	32
1,2-Dichloroethane	107-06-2	10	U	10	40	U	40
Trichloroethene	79-01-6	650		10	3500		54
cis-1,3-Dichloropropene	10061-01-5	10	U	10	45	U	45
Tetrachloroethene	127-18-4	10	U	10	68	U	68
Ethylbenzene	100-41-4	10	U	10	43	U	43
1,1,2,2-Tetrachloroethane	79-34-5	10	U	10	69	U	69
1,4-Dichlorobenzene	106-46-7	10	U	10	60	U	60
Hexachlorobutadiene	87-68-3	10	U J	10	110	U J	110
1,2-Dibromoethane	106-93-4	10	U	10	77	U	77
trans-1,2-Dichloroethene	156-60-5	11		10	44		40
1,2-Dichloroethene (total)	540-59-0	140		10	560		40

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-23

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581440

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	5.0	U	5.0	10	U	10
Vinyl Chloride	75-01-4	5.0	U	5.0	13	U	13
Chloroethane	75-00-3	5.0	U	5.0	13	U	13
Freon TF	76-13-1	64		5.0	490		38
1,1-Dichloroethene	75-35-4	5.0	U	5.0	20	U	20
Methylene Chloride	75-09-2	5.0	U	5.0	17	U	17
1,1-Dichloroethane	75-34-3	5.0	U	5.0	20	U	20
cis-1,2-Dichloroethene	156-59-2	58		5.0	230		20
Chloroform	67-66-3	5.0	U	5.0	24	U	24
1,1,1-Trichloroethane	71-55-6	13		5.0	71		27
Carbon Tetrachloride	56-23-5	5.0	U	5.0	31	U	31
Benzene	71-43-2	5.0	U	5.0	16	U	16
1,2-Dichloroethane	107-06-2	5.0	U	5.0	20	U	20
Trichloroethene	79-01-6	540 ~~410~~	~~E~~	5.0	2900 ~~2200~~	~~E~~	27
cis-1,3-Dichloropropene	10061-01-5	5.0	U	5.0	23	U	23
Tetrachloroethene	127-18-4	17	J	5.0	120	J	34
Ethylbenzene	100-41-4	19	NJ	5.0	83	NJ	22
1,1,2,2-Tetrachloroethane	79-34-5	5.0	U J	5.0	34	U J	34
1,4-Dichlorobenzene	106-46-7	5.0	U	5.0	30	U	30
Hexachlorobutadiene	87-68-3	5.0	U	5.0	53	U	53
1,2-Dibromoethane	106-93-4	5.0	U	5.0	38	U	38
trans-1,2-Dichloroethene	156-60-5	25		5.0	99		20
1,2-Dichloroethene (total)	540-59-0	81		5.0	320		20

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-23DL

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581440D1

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	10	U	10	21	U	21
Vinyl Chloride	75-01-4	10	U	10	26	U	26
Chloroethane	75-00-3	10	U	10	26	U	26
Freon TF	76-13-1	78	D	10	600	D	77
1,1-Dichloroethene	75-35-4	10	U	10	40	U	40
Methylene Chloride	75-09-2	10	U	10	35	U	35
1,1-Dichloroethane	75-34-3	10	U	10	40	U	40
cis-1,2-Dichloroethene	156-59-2	71	D	10	280	D	40
Chloroform	67-66-3	10	U	10	49	U	49
1,1,1-Trichloroethane	71-55-6	15	D	10	82	D	55
Carbon Tetrachloride	56-23-5	10	U	10	63	U	63
Benzene	71-43-2	10	U	10	32	U	32
1,2-Dichloroethane	107-06-2	10	U	10	40	U	40
Trichloroethene	79-01-6	540	D	10	2900	D	54
cis-1,3-Dichloropropene	10061-01-5	10	U	10	45	U	45
Tetrachloroethene	127-18-4	16	D	10	110	D	68
Ethylbenzene	100-41-4	21	D	10	91	D	43
1,1,2,2-Tetrachloroethane	79-34-5	10	U	10	69	U	69
1,4-Dichlorobenzene	106-46-7	10	U	10	60	U	60
Hexachlorobutadiene	87-68-3	10	U	10	110	U	110
1,2-Dibromoethane	106-93-4	10	U	10	77	U	77
trans-1,2-Dichloroethene	156-60-5	30	D	10	120	D	40
1,2-Dichloroethene (total)	540-59-0	98	D	10	390	D	40

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-24 (CAN 6582)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581340

Date Analyzed: 08/12/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	5.0	U	5.0	10	U	10
Vinyl Chloride	75-01-4	5.0	U	5.0	13	U	13
Chloroethane	75-00-3	5.0	U	5.0	13	U	13
Freon TF	76-13-1	12		5.0	92		38
1,1-Dichloroethene	75-35-4	5.0	U	5.0	20	U	20
Methylene Chloride	75-09-2	5.0	U	5.0	17	U	17
1,1-Dichloroethane	75-34-3	5.0	U	5.0	20	U	20
cis-1,2-Dichloroethene	156-59-2	5.0	U	5.0	20	U	20
Chloroform	67-66-3	5.0	U	5.0	24	U	24
1,1,1-Trichloroethane	71-55-6	7.9		5.0	43		27
Carbon Tetrachloride	56-23-5	5.0	U	5.0	31	U	31
Benzene	71-43-2	5.0	U	5.0	16	U	16
1,2-Dichloroethane	107-06-2	5.0	U	5.0	20	U	20
Trichloroethene	79-01-6	250		5.0	1300		27
cis-1,3-Dichloropropene	10061-01-5	5.0	U	5.0	23	U	23
Tetrachloroethene	127-18-4	5.0	U	5.0	34	U	34
Ethylbenzene	100-41-4	5.0	U	5.0	22	U	22
1,1,2,2-Tetrachloroethane	79-34-5	5.0	U	5.0	34	U	34
1,4-Dichlorobenzene	106-46-7	5.0	U	5.0	30	U	30
Hexachlorobutadiene	87-68-3	5.0	U J	5.0	53	U J	53
1,2-Dibromoethane	106-93-4	5.0	U	5.0	38	U	38
trans-1,2-Dichloroethene	156-60-5	5.0	U	5.0	20	U	20
1,2-Dichloroethene (total)	540-59-0	5.0	U	5.0	20	U	20

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-25

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581439

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	0.50	U	0.50	1.0	U	1.0
Vinyl Chloride	75-01-4	0.50	U	0.50	1.3	U	1.3
Chloroethane	75-00-3	0.50	U	0.50	1.3	U	1.3
Freon TF	76-13-1	1.8		0.50	14		3.8
1,1-Dichloroethene	75-35-4	0.50	U	0.50	2.0	U	2.0
Methylene Chloride	75-09-2	0.50	U	0.50	1.7	U	1.7
1,1-Dichloroethane	75-34-3	0.50	U	0.50	2.0	U	2.0
cis-1,2-Dichloroethene	156-59-2	0.50	U	0.50	2.0	U	2.0
Chloroform	67-66-3	0.50	U	0.50	2.4	U	2.4
1,1,1-Trichloroethane	71-55-6	1.9		0.50	10		2.7
Carbon Tetrachloride	56-23-5	0.50	U	0.50	3.1	U	3.1
Benzene	71-43-2	1.7		0.50	5.4		1.6
1,2-Dichloroethane	107-06-2	0.50	U	0.50	2.0	U	2.0
Trichloroethene	79-01-6	18		0.50	97		2.7
cis-1,3-Dichloropropene	10061-01-5	0.50	U	0.50	2.3	U	2.3
Tetrachloroethene	127-18-4	2.4	J	0.50	16	J	3.4
Ethylbenzene	100-41-4	4.2		0.50	18		2.2
1,1,2,2-Tetrachloroethane	79-34-5	0.50	U	0.50	3.4	U	3.4
1,4-Dichlorobenzene	106-46-7	0.50	U	0.50	3.0	U	3.0
Hexachlorobutadiene	87-68-3	0.50	U	0.50	5.3	U	5.3
1,2-Dibromoethane	106-93-4	0.50	U	0.50	3.8	U	3.8
trans-1,2-Dichloroethene	156-60-5	0.50	U	0.50	2.0	U	2.0
1,2-Dichloroethene (total)	540-59-0	0.50	U	0.50	2.0	U	2.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-25DL

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581439D1

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	1.0	U	1.0	2.1	U	2.1
Vinyl Chloride	75-01-4	1.0	U	1.0	2.6	U	2.6
Chloroethane	75-00-3	1.0	U	1.0	2.6	U	2.6
Freon TF	76-13-1	2.4	D	1.0	18	D	7.7
1,1-Dichloroethene	75-35-4	1.0	U	1.0	4.0	U	4.0
Methylene Chloride	75-09-2	1.0	U	1.0	3.5	U	3.5
1,1-Dichloroethane	75-34-3	1.0	U	1.0	4.0	U	4.0
cis-1,2-Dichloroethene	156-59-2	1.0	U	1.0	4.0	U	4.0
Chloroform	67-66-3	1.0	U	1.0	4.9	U	4.9
1,1,1-Trichloroethane	71-55-6	2.4	D	1.0	13	D	5.5
Carbon Tetrachloride	56-23-5	1.0	U	1.0	6.3	U	6.3
Benzene	71-43-2	2.1	D	1.0	6.7	D	3.2
1,2-Dichloroethane	107-06-2	1.0	U	1.0	4.0	U	4.0
Trichloroethene	79-01-6	24	D	1.0	130	D	5.4
cis-1,3-Dichloropropene	10061-01-5	1.0	U	1.0	4.5	U	4.5
Tetrachloroethene	127-18-4	3.6	D	1.0	24	D	6.8
Ethylbenzene	100-41-4	8.1	D	1.0	35	D	4.3
1,1,2,2-Tetrachloroethane	79-34-5	1.0	U	1.0	6.9	U	6.9
1,4-Dichlorobenzene	106-46-7	1.0	U	1.0	6.0	U	6.0
Hexachlorobutadiene	87-68-3	1.0	U	1.0	11	U	11
1,2-Dibromoethane	106-93-4	1.0	U	1.0	7.7	U	7.7
trans-1,2-Dichloroethene	156-60-5	1.0	U	1.0	4.0	U	4.0
1,2-Dichloroethene (total)	540-59-0	1.0	U	1.0	4.0	U	4.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-26 (CAN 6080)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581337

Date Analyzed: 08/11/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	20	U	20	41	U	41
Vinyl Chloride	75-01-4	20	U	20	51	U	51
Chloroethane	75-00-3	20	U	20	53	U	53
Freon TF	76-13-1	20	U	20	150	U	150
1,1-Dichloroethene	75-35-4	20	U	20	79	U	79
Methylene Chloride	75-09-2	20	U	20	69	U	69
1,1-Dichloroethane	75-34-3	20	U	20	81	U	81
cis-1,2-Dichloroethene	156-59-2	29		20	110		79
Chloroform	67-66-3	20	U	20	98	U	98
1,1,1-Trichloroethane	71-55-6	20	U	20	110	U	110
Carbon Tetrachloride	56-23-5	20	U	20	130	U	130
Benzene	71-43-2	20	U	20	64	U	64
1,2-Dichloroethane	107-06-2	20	U	20	81	U	81
Trichloroethene	79-01-6	1200		20	6400		110
cis-1,3-Dichloropropene	10061-01-5	20	U	20	91	U	91
Tetrachloroethene	127-18-4	20	U	20	140	U	140
Ethylbenzene	100-41-4	20	U	20	87	U	87
1,1,2,2-Tetrachloroethane	79-34-5	20	U	20	140	U	140
1,4-Dichlorobenzene	106-46-7	20	U	20	120	U	120
Hexachlorobutadiene	87-68-3	20	U	20	210	U	210
1,2-Dibromoethane	106-93-4	20	U	20	150	U	150
trans-1,2-Dichloroethene	156-60-5	20	U	20	79	U	79
1,2-Dichloroethene (total)	540-59-0	27		20	110		79

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-27 (CAN 6849)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581342

Date Analyzed: 08/11/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	200	U	200	410	U	410
Vinyl Chloride	75-01-4	200	U	200	510	U	510
Chloroethane	75-00-3	200	U	200	530	U	530
Freon TF	76-13-1	200	U	200	1500	U	1500
1,1-Dichloroethene	75-35-4	200	U	200	790	U	790
Methylene Chloride	75-09-2	200	U	200	690	U	690
1,1-Dichloroethane	75-34-3	200	U	200	810	U	810
cis-1,2-Dichloroethene	156-59-2	4400		200	17000		790
Chloroform	67-66-3	200	U	200	980	U	980
1,1,1-Trichloroethane	71-55-6	200	U	200	1100	U	1100
Carbon Tetrachloride	56-23-5	200	U	200	1300	U	1300
Benzene	71-43-2	200	U	200	640	U	640
1,2-Dichloroethane	107-06-2	200	U	200	810	U	810
Trichloroethene	79-01-6	14000		200	75000		1100
cis-1,3-Dichloropropene	10061-01-5	200	U	200	910	U	910
Tetrachloroethene	127-18-4	200	U	200	1400	U	1400
Ethylbenzene	100-41-4	200	U	200	870	U	870
1,1,2,2-Tetrachloroethane	79-34-5	200	U	200	1400	U	1400
1,4-Dichlorobenzene	106-46-7	200	U	200	1200	U	1200
Hexachlorobutadiene	87-68-3	200	U	200	2100	U	2100
1,2-Dibromoethane	106-93-4	200	U	200	1500	U	1500
trans-1,2-Dichloroethene	156-60-5	240		200	950		790
1,2-Dichloroethene (total)	540-59-0	4400		200	17000		790

TO-14/15
Result Summary

CLIENT SAMPLE NO.

ABLKJ2

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: AIR

Lab Sample No.: ABLKJ2

Date Analyzed: 08/10/04

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	0.50	U	0.50	1.0	U	1.0
Vinyl Chloride	75-01-4	0.50	U	0.50	1.3	U	1.3
Chloroethane	75-00-3	0.50	U	0.50	1.3	U	1.3
Freon TF	76-13-1	0.50	U	0.50	3.8	U	3.8
1,1-Dichloroethene	75-35-4	0.50	U	0.50	2.0	U	2.0
Methylene Chloride	75-09-2	0.50	U	0.50	1.7	U	1.7
1,1-Dichloroethane	75-34-3	0.50	U	0.50	2.0	U	2.0
cis-1,2-Dichloroethene	156-59-2	0.50	U	0.50	2.0	U	2.0
Chloroform	67-66-3	0.50	U	0.50	2.4	U	2.4
1,1,1-Trichloroethane	71-55-6	0.50	U	0.50	2.7	U	2.7
Carbon Tetrachloride	56-23-5	0.50	U	0.50	3.1	U	3.1
Benzene	71-43-2	0.50	U	0.50	1.6	U	1.6
1,2-Dichloroethane	107-06-2	0.50	U	0.50	2.0	U	2.0
Trichloroethene	79-01-6	0.50	U	0.50	2.7	U	2.7
cis-1,3-Dichloropropene	10061-01-5	0.50	U	0.50	2.3	U	2.3
Tetrachloroethene	127-18-4	0.50	U	0.50	3.4	U	3.4
Ethylbenzene	100-41-4	0.50	U	0.50	2.2	U	2.2
1,1,2,2-Tetrachloroethane	79-34-5	0.50	U	0.50	3.4	U	3.4
1,4-Dichlorobenzene	106-46-7	0.50	U	0.50	3.0	U	3.0
Hexachlorobutadiene	87-68-3	0.50	U	0.50	5.3	U	5.3
1,2-Dibromoethane	106-93-4	0.50	U	0.50	3.8	U	3.8
trans-1,2-Dichloroethene	156-60-5	0.50	U	0.50	2.0	U	2.0
1,2-Dichloroethene (total)	540-59-0	0.50	U	0.50	2.0	U	2.0

Appendix D

Sub-Slab Soil Sampling Results

Sub-Slab Soil Sampling Results
January 12-14, 2005

Old Erie Canal Site
Clyde, New York

COMPOUND	*SSB-1 4.0'-6.0'*	*SSB-2 4.0'-5.7'*	*SSB-3 4.0'-6.0'*	*X-1 (Dup of SSB-3) 4.0'-6.0'*
Acetone	34	30	630 J	570
Benzene	5.6 U	5.7 U	54 UJ	42 U
Bromodichlormethane	5.6 U	5.7 U	54 UJ	42 U
Bromoform	5.6 U	5.7 U	54 UJ	42 U
Bromomethane	5.6 U	5.7 U	54 UJ	42 U
2-Butanone (MEK)	3.1 J	5.5 J	150 J	100
Carbon Disulfide	11 U	4.2 J	16 J	16 J
Carbon Tetrachloride	5.6 U	5.7 U	54 UJ	42 U
Chlorobenzene	5.6 U	5.7 U	54 UJ	42 U
Chloroethane	5.6 U	5.7 U	54 UJ	42 U
Chloroform	5.6 U	5.7 U	54 UJ	42 U
Chloromethane	5.6 U	5.7 U	54 UJ	42 U
Dibromochloromethane	5.6 U	5.7 U	54 UJ	42 U
1,1-Dichloroethane	5.6 U	5.7 U	17 J	42 U
1,2-Dichloroethane	5.6 U	5.7 U	54 UJ	42 U
1,1-Dichloroethene	5.6 U	5.7 U	54 UJ	42 U
cis-1,2-Dichloroethene	22	2.4 J	1,600 J	1,300
Trans-1,2-Dichloroethene	5.6 U	5.7 U	58 J	40 J
1,2-Dichloropropane	5.6 U	5.7 U	54 UJ	42 U
cis-1,3-Dichloropropene	5.6 U	5.7 U	54 UJ	42 U
Trans-1,3-Dichloropropene	5.6 U	5.7 U	54 UJ	42 U
Ethylbenzene	5.6 U	5.7 U	30 J	13 J
2-Hexanone	11 U	11 U	110 UJ	84 U
Methylene Chloride	5.6 U	5.7 U	54 UJ	42 U
4-Methyl-2-Pentanone (MIBK)	11 U	11 U	110 UJ	84 U
Styrene	5.6 U	5.7 U	54 UJ	42 U
1,1,2,2-Tetrachloroethane	5.6 U	5.7 U	54 UJ	42 U
Tetrachloroethene	5.6 U	5.7 U	12 J	32 J
Toluene	5.6 U	5.7 U	320 J	150
1,1,1-Trichloroethane	5.6 U	5.7 U	54 UJ	42 U
1,1,2-Trichloroethane	5.6 U	5.7 U	54 UJ	42 U
Trichloroethene	1.7 J	13	220 J	400
Vinyl Chloride	5.6 U	5.7 U	560 J	120 J
O-Xylene	5.6 U	5.7 U	69 J	25 J
M+P-Xylene	5.6 U	5.7 U	430 J	150

Notes:

1. All units in ug/kg.
2. All analyses performed by Columbia Analytical Services of Rochester, New York.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8060B.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the value was detected between method detection limit and the practical quantitation limit.

Sub-Slab Soil Sampling Results
January 12-14, 2005

Old Erie Canal Site
Clyde, New York

COMPOUND	*SSB-4 4.0'-5.7'*	*SSB-5 4.0'-6.0'*	*SSB-6 4.0'-6.0'*	*SSB-7 8.3-9.3'*
Acetone	16 J	130	21 J	15,000 UJ
Benzene	5.9 U	6.9 U	5.9 U	3,800 UJ
Bromodichlormethane	5.9 U	6.9 U	5.9 U	3,800 UJ
Bromoform	5.9 U	6.9 U	5.9 U	3,800 UJ
Bromomethane	5.9 U	6.9 U	5.9 U	3,800 UJ
2-Butanone (MEK)	12 U	24	12 U	7,600 UJ
Carbon Disulfide	12 U	14 U	4.5 J	7,600 UJ
Carbon Tetrachloride	5.9 U	6.9 U	5.9 U	3,800 UJ
Chlorobenzene	5.9 U	6.9 U	5.9 U	3,800 UJ
Chloroethane	5.9 U	6.9 U	5.9 U	3,800 UJ
Chloroform	5.9 U	6.9 U	5.9 U	3,800 UJ
Chloromethane	5.9 U	6.9 U	5.9 U	3,800 UJ
Dibromochloromethane	5.9 U	6.9 U	5.9 U	3,800 UJ
1,1-Dichloroethane	5.9 U	4.8 J	5.9 U	3,800 UJ
1,2-Dichloroethane	5.9 U	6.9 U	5.9 U	3,800 UJ
1,1-Dichloroethene	5.9 U	6.9 U	2.4 J	3,800 UJ
cis-1,2-Dichloroethene	12	91	480 J	10,000 J
Trans-1,2-Dichloroethene	5.9 U	5.3 J	2.4 J	3,800 UJ
1,2-Dichloropropane	5.9 U	6.9 U	5.9 U	3,800 UJ
cis-1,3-Dichloropropene	5.9 U	6.9 U	5.9 U	3,800 UJ
Trans-1,3-Dichloropropene	5.9 U	6.9 U	5.9 U	3,800 UJ
Ethylbenzene	5.9 U	2.6 J	5.9 U	3,800 UJ
2-Hexanone	12 U	14 U	12 U	7,600 UJ
Methylene Chloride	5.9 U	6.9 U	5.9 U	3,800 UJ
4-Methyl-2-Pentanone (MIBK)	12 U	14 U	12 U	7,600 UJ
Styrene	5.9 U	6.9 U	5.9 U	3,800 UJ
1,1,2,2-Tetrachloroethane	5.9 U	6.9 U	5.9 U	3,800 UJ
Tetrachloroethene	5.9 U	1.8 J	5.9 U	3,800 UJ
Toluene	5.9 U	9.8	5.9 U	3,800 UJ
1,1,1-Trichloroethane	5.9 U	6.9 U	5.9 U	3,800 UJ
1,1,2-Trichloroethane	5.9 U	6.9 U	5.9 U	3,800 UJ
Trichloroethene	13	89	5.3 J	130,000 J
Vinyl Chloride	5.3 J	18	210	3,800 UJ
O-Xylene	5.9 U	5.0 J	5.9 U	3,800 UJ
M+P-Xylene	5.9 U	25	4.6 J	3,800 UJ

Notes:

1. All units in ug/kg.
2. All analyses performed by Columbia Analytical Services of Rochester, New York.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8060B.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the value was detected between method detection limit and the practical quantitation limit.

Sub-Slab Soil Sampling Results
January 12-14, 2005

Old Erie Canal Site
Clyde, New York

COMPOUND	*SSB-8 8.0'-9.3'*	*SSB-9 2.0'-4.0'*	*SSB-10 2.0'-4.0'*	*SSB-11 4.0'-5.8'*
Acetone	17 J	320	13 J	39
Benzene	28 U	8.8 U	5.5 U	5.7 U
Bromodichlormethane	28 U	8.8 U	5.5 U	5.7 U
Bromoform	28 U	8.8 U	5.5 U	5.7 U
Bromomethane	28 U	8.8 U	5.5 U	5.7 U
2-Butanone (MEK)	57 U	71	1.3 J	4.0 NJ
Carbon Disulfide	57 U	1.9 J	11 U	1.3 J
Carbon Tetrachloride	28 U	8.8 U	5.5 U	5.7 U
Chlorobenzene	28 U	8.8 U	5.5 U	5.7 U
Chloroethane	28 U	8.8 U	5.5 U	5.7 U
Chloroform	28 U	8.8 U	5.5 U	5.7 U
Chloromethane	28 U	8.8 U	5.5 U	5.7 U
Dibromochloromethane	28 U	8.8 U	5.5 U	5.7 U
1,1-Dichloroethane	28 U	8.8 U	5.5 U	1.9 J
1,2-Dichloroethane	28 U	8.8 U	5.5 U	5.7 U
1,1-Dichloroethene	7.3 J	8.8 U	5.5 U	5.7 U
cis-1,2-Dichloroethene	680	8.8 U	1.9 J	74
Trans-1,2-Dichloroethene	13 J	8.8 U	5.5 U	3.1 J
1,2-Dichloropropane	28 U	8.8 U	5.5 U	5.7 U
cis-1,3-Dichloropropene	28 U	8.8 U	5.5 U	5.7 U
Trans-1,3-Dichloropropene	28 U	8.8 U	5.5 U	5.7 U
Ethylbenzene	28 U	8.8 U	5.5 U	5.7 U
2-Hexanone	57 U	18 U	11 U	11 U
Methylene Chloride	28 U	2.3 J	5.5 U	5.7 U
4-Methyl-2-Pentanone (MIBK)	57 U	18 U	11 U	11 U
Styrene	28 U	8.8 U	5.5 U	5.7 U
1,1,2,2-Tetrachloroethane	28 U	8.8 U	5.5 U	5.7 UJ
Tetrachloroethene	28 U	8.8 U	5.5 U	2.1 J
Toluene	28 U	4.2 J	5.5 U	5.7 U
1,1,1-Trichloroethane	28 U	8.8 U	5.5 U	5.7 U
1,1,2-Trichloroethane	28 U	8.8 U	5.5 U	5.7 U
Trichloroethene	2,500 J	5.3 J	7.5	130 J
Vinyl Chloride	28 U	8.8 U	5.5 U	5.7 J
O-Xylene	28 U	8.8 U	5.5 U	5.7 U
M+P-Xylene	28 U	8.8 U	5.5 U	5.7 U

Notes:

1. All units in ug/kg.
2. All analyses performed by Columbia Analytical Services of Rochester, New York.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8060B.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the value was detected between method detection limit and the practical quantitation limit.
6. NJ designates that the presense of an analyte that has been "tentatively identified" and the associated numerical value r approximate concentration

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/25/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-1-4'-6'-011405

Date Sampled : 01/14/05 20:45 Order #: 788723 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/17/05 Submission #: R2524591 Percent Solid: 89.2

DATE ANALYZED : 01/21/05
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	34	UG/KG
BENZENE	5.0	5.6 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.6 U	UG/KG
BROMOFORM	5.0	5.6 U	UG/KG
BROMOMETHANE	5.0	5.6 U	UG/KG
2-BUTANONE (MEK)	10	3.1 J	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.6 U	UG/KG
CHLOROBENZENE	5.0	5.6 U	UG/KG
CHLOROETHANE	5.0	5.6 U	UG/KG
CHLOROFORM	5.0	5.6 U	UG/KG
CHLOROMETHANE	5.0	5.6 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.6 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	22	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.6 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
ETHYLBENZENE	5.0	5.6 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.6 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.6 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.6 U	UG/KG
TETRACHLOROETHENE	5.0	5.6 U	UG/KG
TOLUENE	5.0	5.6 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.6 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.6 U	UG/KG
TRICHLOROETHENE	5.0	1.7 J	UG/KG
VINYL CHLORIDE	5.0	5.6 U	UG/KG
O-XYLENE	5.0	5.6 U	UG/KG
M+P-XYLENE	5.0	5.6 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(68 - 128 %)	99	%
TOLUENE-D8	(75 - 129 %)	102	%
DIBROMOFLUOROMETHANE	(62 - 133 %)	101	%

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COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/25/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-2-4'-5.7'-011405

Date Sampled : 01/14/05 21:55 Order #: 788724 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/17/05 Submission #: R2524591 Percent Solid: 87.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/21/05			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	30	UG/KG
BENZENE	5.0	5.7 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.7 U	UG/KG
BROMOFORM	5.0	5.7 U	UG/KG
BROMOMETHANE	5.0	5.7 U	UG/KG
2-BUTANONE (MEK)	10	5.5 J	UG/KG
CARBON DISULFIDE	10	4.2 J	UG/KG
CARBON TETRACHLORIDE	5.0	5.7 U	UG/KG
CHLOROBENZENE	5.0	5.7 U	UG/KG
CHLOROETHANE	5.0	5.7 U	UG/KG
CHLOROFORM	5.0	5.7 U	UG/KG
CHLOROMETHANE	5.0	5.7 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.7 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.7 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.7 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.7 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	2.4 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.7 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.7 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.7 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.7 U	UG/KG
ETHYLBENZENE	5.0	5.7 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.7 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.7 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.7 U	UG/KG
TETRACHLOROETHENE	5.0	5.7 U	UG/KG
TOLUENE	5.0	5.7 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.7 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.7 U	UG/KG
TRICHLOROETHENE	5.0	13	UG/KG
VINYL CHLORIDE	5.0	5.7 U	UG/KG
O-XYLENE	5.0	5.7 U	UG/KG
M+P-XYLENE	5.0	5.7 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(68 - 128 %)	97	%
TOLUENE-D8	(75 - 128 %)	104	%
DIBROMOFLUOROMETHANE	(62 - 133 %)	104	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/25/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-3-4'-6'-011405

Date Sampled : 01/14/05 19:20 Order #: 788722 **Sample Matrix: SOIL/SEDIMENT**
Date Received: 01/17/05 Submission #: R2524591 **Percent Solid: 46.4**

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/21/05			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACETONE	20	630	UG/KG
BENZENE	5.0	54 U	UG/KG
BROMODICHLOROMETHANE	5.0	54 U	UG/KG
BROMOFORM	5.0	54 U	UG/KG
BROMOMETHANE	5.0	54 U	UG/KG
2-BUTANONE (MEK)	10	150	UG/KG
CARBON DISULFIDE	10	16 J	UG/KG
CARBON TETRACHLORIDE	5.0	54 U	UG/KG
CHLOROBENZENE	5.0	54 U	UG/KG
CHLOROETHANE	5.0	54 U	UG/KG
CHLOROFORM	5.0	54 U	UG/KG
CHLOROMETHANE	5.0	54 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	54 U	UG/KG
1,1-DICHLOROETHANE	5.0	17 J	UG/KG
1,2-DICHLOROETHANE	5.0	54 U	UG/KG
1,1-DICHLOROETHENE	5.0	54 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	1600	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	58	UG/KG
1,2-DICHLOROPROPANE	5.0	54 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	54 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	54 U	UG/KG
ETHYLBENZENE	5.0	30 J	UG/KG
2-HEXANONE	10	110 U	UG/KG
METHYLENE CHLORIDE	5.0	54 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	110 U	UG/KG
STYRENE	5.0	54 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	54 U	UG/KG
TETRACHLOROETHENE	5.0	12 J	UG/KG
TOLUENE	5.0	320	UG/KG
1,1,1-TRICHLOROETHANE	5.0	54 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	54 U	UG/KG
TRICHLOROETHENE	5.0	220	UG/KG
VINYL CHLORIDE	5.0	560	UG/KG
O-XYLENE	5.0	69	UG/KG
M+P-XYLENE	5.0	430	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(68 - 128 %)	91	%
TOLUENE-D8	(75 - 128 %)	109	%
DIBROMOFLUOROMETHANE	(62 - 133 %)	102	%

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COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/25/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : X-1-011405 (Dup of SSB-3-4'-6'

Date Sampled : 01/14/05 **Order #: 788725** **Sample Matrix: SOIL/SEDIMENT**
Date Received: 01/17/05 **Submission #: R2524591** **Percent Solid: 59.5**

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/21/05			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACETONE	20	570	UG/KG
BENZENE	5.0	42 U	UG/KG
BROMODICHLOROMETHANE	5.0	42 U	UG/KG
BROMOFORM	5.0	42 U	UG/KG
BROMOMETHANE	5.0	42 U	UG/KG
2-BUTANONE (MEK)	10	100	UG/KG
CARBON DISULFIDE	10	16 J	UG/KG
CARBON TETRACHLORIDE	5.0	42 U	UG/KG
CHLOROBENZENE	5.0	42 U	UG/KG
CHLOROETHANE	5.0	42 U	UG/KG
CHLOROFORM	5.0	42 U	UG/KG
CHLOROMETHANE	5.0	42 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	42 U	UG/KG
1,1-DICHLOROETHANE	5.0	42 U	UG/KG
1,2-DICHLOROETHANE	5.0	42 U	UG/KG
1,1-DICHLOROETHENE	5.0	42 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	1300	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	40 J	UG/KG
1,2-DICHLOROPROPANE	5.0	42 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	42 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	42 U	UG/KG
ETHYLBENZENE	5.0	13 J	UG/KG
2-HEXANONE	10	84 U	UG/KG
METHYLENE CHLORIDE	5.0	42 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	84 U	UG/KG
STYRENE	5.0	42 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	42 U	UG/KG
TETRACHLOROETHENE	5.0	32 J	UG/KG
TOLUENE	5.0	150	UG/KG
1,1,1-TRICHLOROETHANE	5.0	42 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	42 U	UG/KG
TRICHLOROETHENE	5.0	400	UG/KG
VINYL CHLORIDE	5.0	120 J	UG/KG
O-XYLENE	5.0	25 J	UG/KG
M+P-XYLENE	5.0	150	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(68 - 128 %)	98	%
TOLUENE-D8	(75 - 128 %)	108	%
DIBROMOFLUOROMETHANE	(62 - 133 %)	101	%

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COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/01/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-4-4.0'-5.7'-011405

Date Sampled : 01/14/05 02:15 **Order #:** 788677 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/15/05 **Submission #:** R2524591 **Percent Solid:** 85.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/21/05			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	16 J	UG/KG
BENZENE	5.0	5.9 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.9 U	UG/KG
BROMOFORM	5.0	5.9 U	UG/KG
BROMOMETHANE	5.0	5.9 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.9 U	UG/KG
CHLOROBENZENE	5.0	5.9 U	UG/KG
CHLOROETHANE	5.0	5.9 U	UG/KG
CHLOROFORM	5.0	5.9 U	UG/KG
CHLOROMETHANE	5.0	5.9 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.9 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.9 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.9 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.9 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	12	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.9 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.9 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.9 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.9 U	UG/KG
ETHYLBENZENE	5.0	5.9 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	5.9 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	5.9 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.9 U	UG/KG
TETRACHLOROETHENE	5.0	5.9 U	UG/KG
TOLUENE	5.0	5.9 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.9 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.9 U	UG/KG
TRICHLOROETHENE	5.0	13	UG/KG
VINYL CHLORIDE	5.0	5.3 J	UG/KG
O-XYLENE	5.0	5.9 U	UG/KG
M+P-XYLENE	5.0	5.9 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(68 - 128 %)	99	%
TOLUENE-D8	(75 - 128 %)	103	%
DIBROMOFLUOROMETHANE	(62 - 133 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/01/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-5-4'-6'-011405

Date Sampled : 01/14/05 00:35 **Order #:** 788675 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/15/05 **Submission #:** R2524591 **Percent Solid:** 72.3

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/21/05			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	130	UG/KG
BENZENE	5.0	6.9 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.9 U	UG/KG
BROMOFORM	5.0	6.9 U	UG/KG
BROMOMETHANE	5.0	6.9 U	UG/KG
2-BUTANONE (MEK)	10	24	UG/KG
CARBON DISULFIDE	10	14 U	UG/KG
CARBON TETRACHLORIDE	5.0	6.9 U	UG/KG
CHLOROBENZENE	5.0	6.9 U	UG/KG
CHLOROETHANE	5.0	6.9 U	UG/KG
CHLOROFORM	5.0	6.9 U	UG/KG
CHLOROMETHANE	5.0	6.9 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.9 U	UG/KG
1,1-DICHLOROETHANE	5.0	4.8 J	UG/KG
1,2-DICHLOROETHANE	5.0	6.9 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.9 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	91	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.3 J	UG/KG
1,2-DICHLOROPROPANE	5.0	6.9 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.9 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.9 U	UG/KG
ETHYLBENZENE	5.0	2.6 J	UG/KG
2-HEXANONE	10	14 U	UG/KG
METHYLENE CHLORIDE	5.0	6.9 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	14 U	UG/KG
STYRENE	5.0	6.9 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.9 U	UG/KG
TETRACHLOROETHENE	5.0	1.8 J	UG/KG
TOLUENE	5.0	9.8	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.9 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.9 U	UG/KG
TRICHLOROETHENE	5.0	89	UG/KG
VINYL CHLORIDE	5.0	18	UG/KG
O-XYLENE	5.0	5.0 J	UG/KG
M+P-XYLENE	5.0	25	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(68 - 128 %)	96	%
TOLUENE-D8	(75 - 128 %)	108	%
DIBROMOFLUOROMETHANE	(62 - 133 %)	107	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/01/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-6-4'-6'-011305

Date Sampled : 01/13/05 21:25 **Order #:** 788670 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/15/05 **Submission #:** R2524591 **Percent Solid:** 84.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/21/05			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	21 J	UG/KG
BENZENE	5.0	5.9 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.9 U	UG/KG
BROMOFORM	5.0	5.9 U	UG/KG
BROMOMETHANE	5.0	5.9 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	4.5 J	UG/KG
CARBON TETRACHLORIDE	5.0	5.9 U	UG/KG
CHLOROBENZENE	5.0	5.9 U	UG/KG
CHLOROETHANE	5.0	5.9 U	UG/KG
CHLOROFORM	5.0	5.9 U	UG/KG
CHLOROMETHANE	5.0	5.9 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.9 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.9 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.9 U	UG/KG
1,1-DICHLOROETHENE	5.0	2.4 J	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	1200 E J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	2.4 J	UG/KG
1,2-DICHLOROPROPANE	5.0	5.9 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.9 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.9 U	UG/KG
ETHYLBENZENE	5.0	5.9 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	5.9 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	5.9 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.9 U	UG/KG
TETRACHLOROETHENE	5.0	5.9 U	UG/KG
TOLUENE	5.0	5.9 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.9 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.9 U	UG/KG
TRICHLOROETHENE	5.0	5.3 J	UG/KG
VINYL CHLORIDE	5.0	210	UG/KG
O-XYLENE	5.0	5.9 U	UG/KG
M+P-XYLENE	5.0	4.6 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(68 - 128 %)	96	%
TOLUENE-D8	(75 - 128 %)	100	%
DIBROMOFLUOROMETHANE	(62 - 133 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/01/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-7-8.3-9.3-011205

Date Sampled : 01/12/05 22:05 **Order #:** 788590 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/14/05 **Submission #:** R2524591 **Percent Solid:** 82.7

DATE ANALYZED : 01/25/05
ANALYTICAL DILUTION: 625.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	15000 U J	UG/KG
BENZENE	5.0	3800 U	UG/KG
BROMODICHLOROMETHANE	5.0	3800 U	UG/KG
BROMOFORM	5.0	3800 U	UG/KG
BROMOMETHANE	5.0	3800 U	UG/KG
2-BUTANONE (MEK)	10	7600 U	UG/KG
CARBON DISULFIDE	10	7600 U	UG/KG
CARBON TETRACHLORIDE	5.0	3800 U	UG/KG
CHLOROBENZENE	5.0	3800 U	UG/KG
CHLOROETHANE	5.0	3800 U	UG/KG
CHLOROFORM	5.0	3800 U	UG/KG
CHLOROMETHANE	5.0	3800 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	3800 U	UG/KG
1,1-DICHLOROETHANE	5.0	3800 U	UG/KG
1,2-DICHLOROETHANE	5.0	3800 U	UG/KG
1,1-DICHLOROETHENE	5.0	3800 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	10000	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	3800 U	UG/KG
1,2-DICHLOROPROPANE	5.0	3800 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	3800 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	3800 U	UG/KG
ETHYLBENZENE	5.0	3800 U	UG/KG
2-HEXANONE	10	7600 U	UG/KG
METHYLENE CHLORIDE	5.0	3800 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	7600 U	UG/KG
STYRENE	5.0	3800 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	3800 U	UG/KG
TETRACHLOROETHENE	5.0	3800 U	UG/KG
TOLUENE	5.0	3800 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	3800 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	3800 U	UG/KG
TRICHLOROETHENE	5.0	130000	UG/KG
VINYL CHLORIDE	5.0	3800 U	UG/KG
O-XYLENE	5.0	3800 U	UG/KG
M+P-XYLENE	5.0	3800 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(68 - 128 %)	94	%
TOLUENE-D8	(75 - 128 %)	100	%
DIBROMOFLUOROMETHANE	(62 - 133 %)	96	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/01/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-8-8.0-9.3-011305

Date Sampled : 01/13/05 00:10 **Order #:** 788591 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/14/05 **Submission #:** R2524591 **Percent Solid:** 87.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/21/05			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACETONE	20	17 J	UG/KG
BENZENE	5.0	28 U	UG/KG
BROMODICHLOROMETHANE	5.0	28 U	UG/KG
BROMOFORM	5.0	28 U	UG/KG
BROMOMETHANE	5.0	28 U	UG/KG
2-BUTANONE (MEK)	10	57 U	UG/KG
CARBON DISULFIDE	10	57 U	UG/KG
CARBON TETRACHLORIDE	5.0	28 U	UG/KG
CHLOROBENZENE	5.0	28 U	UG/KG
CHLOROETHANE	5.0	28 U	UG/KG
CHLOROFORM	5.0	28 U	UG/KG
CHLOROMETHANE	5.0	28 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	28 U	UG/KG
1,1-DICHLOROETHANE	5.0	28 U	UG/KG
1,2-DICHLOROETHANE	5.0	28 U	UG/KG
1,1-DICHLOROETHENE	5.0	7.3 J	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	680	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	13 J	UG/KG
1,2-DICHLOROPROPANE	5.0	28 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	28 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	28 U	UG/KG
ETHYLBENZENE	5.0	28 U	UG/KG
2-HEXANONE	10	57 U	UG/KG
METHYLENE CHLORIDE	5.0	28 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	57 U	UG/KG
STYRENE	5.0	28 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	28 U	UG/KG
TETRACHLOROETHENE	5.0	28 U	UG/KG
TOLUENE	5.0	28 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	28 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	28 U	UG/KG
TRICHLOROETHENE	5.0	6200 E J	UG/KG
VINYL CHLORIDE	5.0	28 U	UG/KG
O-XYLENE	5.0	28 U	UG/KG
M+P-XYLENE	5.0	28 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(68 - 128 %)	98	%
TOLUENE-D8	(75 - 128 %)	103	%
DIBROMOFLUOROMETHANE	(62 - 133 %)	101	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/01/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-9-2.0-4.0-011305

Date Sampled : 01/13/05 01:45 **Order #:** 788592 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/14/05 **Submission #:** R2524591 **Percent Solid:** 56.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/20/05			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	320	UG/KG
BENZENE	5.0	8.8 U	UG/KG
BROMODICHLOROMETHANE	5.0	8.8 U	UG/KG
BROMOFORM	5.0	8.8 U	UG/KG
BROMOMETHANE	5.0	8.8 U	UG/KG
2-BUTANONE (MEK)	10	71	UG/KG
CARBON DISULFIDE	10	1.9 J	UG/KG
CARBON TETRACHLORIDE	5.0	8.8 U	UG/KG
CHLOROBENZENE	5.0	8.8 U	UG/KG
CHLOROETHANE	5.0	8.8 U	UG/KG
CHLOROFORM	5.0	8.8 U	UG/KG
CHLOROMETHANE	5.0	8.8 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	8.8 U	UG/KG
1,1-DICHLOROETHANE	5.0	8.8 U	UG/KG
1,2-DICHLOROETHANE	5.0	8.8 U	UG/KG
1,1-DICHLOROETHENE	5.0	8.8 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	8.8 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	8.8 U	UG/KG
1,2-DICHLOROPROPANE	5.0	8.8 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	8.8 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	8.8 U	UG/KG
ETHYLBENZENE	5.0	8.8 U	UG/KG
2-HEXANONE	10	18 U	UG/KG
METHYLENE CHLORIDE	5.0	2.3 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	18 U	UG/KG
STYRENE	5.0	8.8 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	8.8 U	UG/KG
TETRACHLOROETHENE	5.0	8.8 U	UG/KG
TOLUENE	5.0	4.2 J	UG/KG
1,1,1-TRICHLOROETHANE	5.0	8.8 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	8.8 U	UG/KG
TRICHLOROETHENE	5.0	5.3 J	UG/KG
VINYL CHLORIDE	5.0	8.8 U	UG/KG
O-XYLENE	5.0	8.8 U	UG/KG
M+P-XYLENE	5.0	8.8 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(68 - 128 %)	85	%
TOLUENE-D8	(75 - 128 %)	112	%
DIBROMOFLUOROMETHANE	(62 - 133 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/01/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-10-2'-4'-011305

Date Sampled : 01/13/05 20:15 **Order #:** 788668 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/15/05 **Submission #:** R2524591 **Percent Solid:** 90.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/21/05			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	13 J	UG/KG
BENZENE	5.0	5.5 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.5 U	UG/KG
BROMOFORM	5.0	5.5 U	UG/KG
BROMOMETHANE	5.0	5.5 U	UG/KG
2-BUTANONE (MEK)	10	1.3 J	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.5 U	UG/KG
CHLOROBENZENE	5.0	5.5 U	UG/KG
CHLOROETHANE	5.0	5.5 U	UG/KG
CHLOROFORM	5.0	5.5 U	UG/KG
CHLOROMETHANE	5.0	5.5 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.5 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.5 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.5 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.5 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	1.9 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.5 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.5 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.5 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.5 U	UG/KG
ETHYLBENZENE	5.0	5.5 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.5 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.5 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.5 U	UG/KG
TETRACHLOROETHENE	5.0	5.5 U	UG/KG
TOLUENE	5.0	5.5 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.5 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.5 U	UG/KG
TRICHLOROETHENE	5.0	7.5	UG/KG
VINYL CHLORIDE	5.0	5.5 U	UG/KG
O-XYLENE	5.0	5.5 U	UG/KG
M+P-XYLENE	5.0	5.5 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(68 - 128 %)	98	%
TOLUENE-D8	(75 - 128 %)	99	%
DIBROMOFLUOROMETHANE	(62 - 133 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/01/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-11-4.0'-5.8'-011305

Date Sampled : 01/13/05 23:15 **Order #:** 788673 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/15/05 **Submission #:** R2524591 **Percent Solid:** 87.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/21/05			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	39	UG/KG
BENZENE	5.0	5.7 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.7 U	UG/KG
BROMOFORM	5.0	5.7 U	UG/KG
BROMOMETHANE	5.0	5.7 U	UG/KG
2-BUTANONE (MEK)	10	4.0 J NJ	UG/KG
CARBON DISULFIDE	10	1.3 J	UG/KG
CARBON TETRACHLORIDE	5.0	5.7 U	UG/KG
CHLOROBENZENE	5.0	5.7 U	UG/KG
CHLOROETHANE	5.0	5.7 U	UG/KG
CHLOROFORM	5.0	5.7 U	UG/KG
CHLOROMETHANE	5.0	5.7 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.7 U	UG/KG
1,1-DICHLOROETHANE	5.0	1.9 J	UG/KG
1,2-DICHLOROETHANE	5.0	5.7 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.7 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	74	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	3.1 J	UG/KG
1,2-DICHLOROPROPANE	5.0	5.7 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.7 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.7 U	UG/KG
ETHYLBENZENE	5.0	5.7 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.7 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.7 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.7 U J	UG/KG
TETRACHLOROETHENE	5.0	2.1 J	UG/KG
TOLUENE	5.0	5.7 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.7 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.7 U	UG/KG
TRICHLOROETHENE	5.0	320 E J	UG/KG
VINYL CHLORIDE	5.0	5.7 J	UG/KG
O-XYLENE	5.0	5.7 U	UG/KG
M+P-XYLENE	5.0	5.7 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(68 - 128 %)	101	%
TOLUENE-D8	(75 - 128 %)	101	%
DIBROMOFLUOROMETHANE	(62 - 133 %)	103	%

Appendix E

Sub-Slab Ground Water Sampling Results

Sub-Slab Ground Water Sampling Results
January 13-14, 2005

Old Erie Canal Site
Clyde, New York

COMPOUND	*SSB-3*	*X-1 (Dup of SSB-3)*	*SSB-4*	*SSB-5*	*SSB-6*
Acetone	12 U	11 U	5.0 U	8.6 U	250 UJ
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Bromodichlormethane	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Bromomethane	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
2-Butanone (MEK)	5.0 U	5.0 U	5.0 U	5.0 U	250 UJ
Carbon Disulfide	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Carbon Tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Chloroethane	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Chloroform	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Chloromethane	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
1,1-Dichloroethane	0.98 J	0.99 J	0.84 J	1.2	50 UJ
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
1,1-Dichloroethene	0.62 J	0.67 J	1.0 U	1.0 U	34 J
cis-1,2-Dichloroethene	200 J	210 J	31	110	13,000 J
Trans-1,2-Dichloroethene	5.1	5.6	1.0 U	5.6	35 J
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	250 UJ
Methylene Chloride	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	50 UJ
Styrene	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Tetrachloroethene	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Toluene	0.44 J	1.0 U	0.50 J	1.6	50 UJ
1,1,1-Trichloroethane	0.85 NJ	0.83 J	1.0 U	1.1	50 UJ
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
Trichloroethene	16	15	29	66	990 J
Vinyl Chloride	62	57	90	6.6	1,900 J
O-Xylene	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ
M+P-Xylene	0.56 J	1.0 U	0.58 J	1.0 U	50 UJ

Notes:

1. All units in ug/L.
2. All analyses performed by Severn Trent Laboratories of Amherst, New York.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8021B.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the value was detected between the method detection limit and the practical quantitation limit.
6. NJ designates that the presense of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration

Sub-Slab Ground Water Sampling Results
January 13-14, 2005

Old Erie Canal Site
Clyde, New York

COMPOUND	*SSB-7*	*SSB-8*	*SSB-9*	*SSB-10*	*SSB-11*
Acetone	10,000 U	5.0 U	16 U	7.3 U	20 U
Benzene	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichlormethane	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	10,000 U	5.0 U	2.5 J	5.0 U	5.0 U
Carbon Disulfide	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	2,000 U	1.0 U	1.0 U	1.0 U	3.8
1,2-Dichloroethane	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	2,000 U	2.5	1.0 U	3.6	0.96 J
cis-1,2-Dichloroethene	73,000	320 J	1.8	210 J	260 J
Trans-1,2-Dichloroethene	2,000 U	3.7	1.0 U	2.6	3.9
1,2-Dichloropropane	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
Trans-1,3-Dichloropropene	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	10,000 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-Pentanone (MIBK)	10,000 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	2,000 U	1.0 U	1.0 U	1.0 U	1.2
Toluene	1,100 J	19	1.0 U	1.0 U	0.52 J
1,1,1-Trichloroethane	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	580,000 J	380 J	7.2	160	290 J
Vinyl Chloride	2,000 U	7.9	1.3	26	14
O-Xylene	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U
M+P-Xylene	2,000 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

1. All units in ug/L.
2. All analyses performed by Columbia Analytical Services of Rochester, New York.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8060B.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the value was detected between the method detection limit and the practical quantitation limit.

Sub-Slab Ground Water Sampling Results
January 13-14, 2005

Old Erie Canal Site
Clyde, New York

COMPOUND	*EQB*	*Trip Blank (1/13/05)*	*Trip Blank (1/14/05)*	*Trip Blank (1/14/05)*
Acetone	17	5.0 U	5.0 U	5.0 U
Benzene	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichlormethane	1.7	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	2.0	1.0 U	1.0 U	1.0 U
Chloromethane	0.63 J	1.0 U	1.0 U	1.0 U
Dibromochloromethane	0.70 J	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
Trans-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
Trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	1.0 U	1.0 U	1.0 U	1.0 U
M+P-Xylene	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

1. All units in ug/L.
2. All analyses performed by Columbia Analytical Services of Rochester, New York.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8060B.
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the value was detected between the method detection limit and the practical quantitation limit.

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-3-011405

Date Sampled : 01/14/05 21:10 **Order #:** 788729 **Sample Matrix:** WATER
Date Received: 01/17/05 **Submission #:** R2524592 **Analytical Run** 112813

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/26/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	12 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	0.98 J	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	0.62 J	UG/L
CIS-1,2-DICHLOROETHENE	1.0	200 ~~200 E~~ J	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	5.1	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	0.44 J	UG/L
1,1,1-TRICHLOROETHANE	1.0	0.85 J NJ	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	16	UG/L
VINYL CHLORIDE	1.0	62	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	0.56 J	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	105	%
TOLUENE-D8	(88 - 124 %)	104	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : X-1-011405

Date Sampled : 01/14/05 **Order #:** 788731 **Sample Matrix:** WATER
Date Received: 01/17/05 **Submission #:** R2524592 **Analytical Run** 112813

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/26/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	11 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	0.99 J	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	0.67 J	UG/L
CIS-1,2-DICHLOROETHENE	1.0	210 ~~210 E~~ J	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	5.6	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	0.83 J	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	15	UG/L
VINYL CHLORIDE	1.0	57	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	104	%
TOLUENE-D8	(88 - 124 %)	102	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-4-011405

Date Sampled : 01/14/05 03:00 **Order #:** 788663 **Sample Matrix:** WATER
Date Received: 01/15/05 **Submission #:** R2524592 **Analytical Run** 112816

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/26/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	5.0 U ~~4.6 J~~	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	0.84 J	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	31	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	0.50 J	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	29	UG/L
VINYL CHLORIDE	1.0	90	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	0.58 J	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	104	%
TOLUENE-D8	(88 - 124 %)	104	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-5-011405

Date Sampled : 01/14/05 02:00 **Order #:** 788660 **Sample Matrix:** WATER
Date Received: 01/15/05 **Submission #:** R2524592 **Analytical Run** 112813

DATE ANALYZED : 01/26/05
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	5.0	8.6 u	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.2	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	110	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	5.6	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.6	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.1	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	66	UG/L
VINYL CHLORIDE	1.0	6.6	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	105	%
TOLUENE-D8	(88 - 124 %)	102	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-6-011405

Date Sampled : 01/14/05 01:45 **Order #:** 788659 **Sample Matrix:** WATER
Date Received: 01/15/05 **Submission #:** R2524592 **Analytical Run** 112813

ANALYTE	PQL	RESULT		UNITS
DATE ANALYZED : 01/27/05				
ANALYTICAL DILUTION: 50.00				
ACETONE	5.0	250 U	J	UG/L
BENZENE	1.0	50 U		UG/L
BROMODICHLOROMETHANE	1.0	50 U		UG/L
BROMOFORM	1.0	50 U		UG/L
BROMOMETHANE	1.0	50 U		UG/L
2-BUTANONE (MEK)	5.0	250 U		UG/L
CARBON DISULFIDE	1.0	50 U		UG/L
CARBON TETRACHLORIDE	1.0	50 U		UG/L
CHLOROBENZENE	1.0	50 U		UG/L
CHLOROETHANE	1.0	50 U		UG/L
CHLOROFORM	1.0	50 U		UG/L
CHLOROMETHANE	1.0	50 U		UG/L
DIBROMOCHLOROMETHANE	1.0	50 U		UG/L
1,1-DICHLOROETHANE	1.0	50 U		UG/L
1,2-DICHLOROETHANE	1.0	50 U		UG/L
1,1-DICHLOROETHENE	1.0	34 J		UG/L
CIS-1,2-DICHLOROETHENE	1.0	13,000 ~~12000~~ E		UG/L
TRANS-1,2-DICHLOROETHENE	1.0	35 J	J	UG/L
1,2-DICHLOROPROPANE	1.0	50 U		UG/L
CIS-1,3-DICHLOROPROPENE	1.0	50 U		UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	50 U		UG/L
ETHYLBENZENE	1.0	50 U		UG/L
2-HEXANONE	5.0	250 U		UG/L
METHYLENE CHLORIDE	1.0	50 U		UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	250 U		UG/L
STYRENE	1.0	50 U		UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	50 U		UG/L
TETRACHLOROETHENE	1.0	50 U		UG/L
TOLUENE	1.0	50 U		UG/L
1,1,1-TRICHLOROETHANE	1.0	50 U		UG/L
1,1,2-TRICHLOROETHANE	1.0	50 U		UG/L
TRICHLOROETHENE	1.0	990		UG/L
VINYL CHLORIDE	1.0	1900		UG/L
O-XYLENE	1.0	50 U		UG/L
M+P-XYLENE	1.0	50 U		UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	105	%
TOLUENE-D8	(88 - 124 %)	104	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-7-011305

Date Sampled : 01/13/05 01:55 **Order #:** 788593 **Sample Matrix:** WATER
Date Received: 01/14/05 **Submission #:** R2524592 **Analytical Run** 112813

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/25/05			
ANALYTICAL DILUTION: 2000.00			
ACETONE	5.0	10000 U	UG/L
BENZENE	1.0	2000 U	UG/L
BROMODICHLOROMETHANE	1.0	2000 U	UG/L
BROMOFORM	1.0	2000 U	UG/L
BROMOMETHANE	1.0	2000 U	UG/L
2-BUTANONE (MEK)	5.0	10000 U	UG/L
CARBON DISULFIDE	1.0	2000 U	UG/L
CARBON TETRACHLORIDE	1.0	2000 U	UG/L
CHLOROBENZENE	1.0	2000 U	UG/L
CHLOROETHANE	1.0	2000 U	UG/L
CHLOROFORM	1.0	2000 U	UG/L
CHLOROMETHANE	1.0	2000 U	UG/L
DIBROMOCHLOROMETHANE	1.0	2000 U	UG/L
1,1-DICHLOROETHANE	1.0	2000 U	UG/L
1,2-DICHLOROETHANE	1.0	2000 U	UG/L
1,1-DICHLOROETHENE	1.0	2000 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	73000	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	2000 U	UG/L
1,2-DICHLOROPROPANE	1.0	2000 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	2000 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	2000 U	UG/L
ETHYLBENZENE	1.0	2000 U	UG/L
2-HEXANONE	5.0	10000 U	UG/L
METHYLENE CHLORIDE	1.0	2000 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	10000 U	UG/L
STYRENE	1.0	2000 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	2000 U	UG/L
TETRACHLOROETHENE	1.0	2000 U	UG/L
TOLUENE	1.0	1100 J	UG/L
1,1,1-TRICHLOROETHANE	1.0	2000 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	2000 U	UG/L
TRICHLOROETHENE	1.0	580,000 ~~510000 E~~ J	UG/L
VINYL CHLORIDE	1.0	2000 U	UG/L
O-XYLENE	1.0	2000 U	UG/L
M+P-XYLENE	1.0	2000 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	104	%
TOLUENE-D8	(88 - 124 %)	103	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	101	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-8-011305

Date Sampled : 01/13/05 02:10 **Order #:** 788594 **Sample Matrix:** WATER
Date Received: 01/14/05 **Submission #:** R2524592 **Analytical Run** 112813

DATE ANALYZED : 01/25/05
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	5.0	5.0 ~~3.7 J~~ U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	2.5	UG/L
CIS-1,2-DICHLOROETHENE	1.0	320 ~~390 E~~ J	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	3.7	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	19	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	380 ~~550 E~~ J	UG/L
VINYL CHLORIDE	1.0	7.9	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	104	%
TOLUENE-D8	(88 - 124 %)	101	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-9-011305

Date Sampled : 01/13/05 19:00 **Order #:** 788658 **Sample Matrix:** WATER
Date Received: 01/15/05 **Submission #:** R2524592 **Analytical Run** 112813

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/25/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	16 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	2.5 J	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.8	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	7.2	UG/L
VINYL CHLORIDE	1.0	1.3	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	106	%
TOLUENE-D8	(88 - 124 %)	103	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-10-011405

Date Sampled : 01/14/05 02:40 **Order #:** 788661 **Sample Matrix:** WATER
Date Received: 01/15/05 **Submission #:** R2524592 **Analytical Run** 112813

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/26/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	7.3 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	3.6	UG/L
CIS-1,2-DICHLOROETHENE	1.0	210 ~~220 E~~ J	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	2.6	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	160	UG/L
VINYL CHLORIDE	1.0	26	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	105	%
TOLUENE-D8	(88 - 124 %)	104	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : SSB-11-011405

Date Sampled : 01/14/05 02:50 **Order #:** 788662 **Sample Matrix:** WATER
Date Received: 01/15/05 **Submission #:** R2524592 **Analytical Run** 112813

DATE ANALYZED : 01/26/05
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	5.0	20 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	3.8	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	0.96 J	UG/L
CIS-1,2-DICHLOROETHENE	1.0	260 ~~210 E~~ J	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	3.9	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.2	UG/L
TOLUENE	1.0	0.52 J	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	290 ~~260 E~~ J	UG/L
VINYL CHLORIDE	1.0	14	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	105	%
TOLUENE-D8	(88 - 124 %)	103	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	104	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : EQB-011405

Date Sampled : 01/14/05 22:00 **Order #:** 788730 **Sample Matrix:** WATER
Date Received: 01/17/05 **Submission #:** R2524592 **Analytical Run** 112813

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/26/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	17	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.7	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	2.0	UG/L
CHLOROMETHANE	1.0	0.63 J	UG/L
DIBROMOCHLOROMETHANE	1.0	0.70 J	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	106	%
TOLUENE-D8	(88 - 124 %)	105	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : TRIP BLANK

Date Sampled : 01/13/05 **Order #:** 788595 **Sample Matrix:** WATER
Date Received: 01/14/05 **Submission #:** R2524592 **Analytical Run** 112813

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/25/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	5.0 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	104	%
TOLUENE-D8	(88 - 124 %)	102	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : TRIP BLANK

Date Sampled : 01/14/05 **Order #:** 788664 **Sample Matrix:** WATER
Date Received: 01/15/05 **Submission #:** R2524592 **Analytical Run** 112813

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/26/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	5.0 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	105	%
TOLUENE-D8	(88 - 124 %)	103	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	104	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/16/05

O'Brien & Gere Engineers
Project Reference: PARKER HANNIFIN RI/FS ADDENDUM #1 - AMENDMENT #1
Client Sample ID : TRIP BLANK

Date Sampled : 01/14/05 **Order #:** 788732 **Sample Matrix:** WATER
Date Received: 01/17/05 **Submission #:** R2524592 **Analytical Run** 112813

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/26/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	5.0 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	104	%
TOLUENE-D8	(88 - 124 %)	103	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	103	%

Appendix F

Soil Gas Sampling Results

Soil Gas Sample Results
August 3-4, 2004

Old Erie Canal Site
Clyde, New York

COMPOUND	*GP-5A*	*GP-6A*
Chloromethane	1.0 U	1.0 U
Vinyl Chloride	1.3 U	1.3 U
Chloroethane	1.3 U	1.3 U
Freon TF	3.8 U	3.8 U
1,1-Dichloroethene	2.0 U	2.0 U
Methylene Chloride	1.7 U	1.7 U
1,1-Dichloroethane	2.0 U	2.0 U
cis-1,2-Dichloroethene	4.4	3.3
Chloroform	2.4 U	73
1,1,1-Trichloroethane	2.7 U	2.7 U
Carbon Tetrachloride	3.1 U	3.1 U
Benzene	58	4.5
1,2-Dichloroethane	2.0 U	2.0 U
Trichloroethene	70	75
cis-1,3-Dichloropropene	2.3 U	2.3 U
Tetrachloroethene	3.4 U	6.8
Ethylbenzene	65	3.5 NJ
1,1,2,2-Tetrachloroethane	3.4 U	3.4 U
1,4-Dichlorobenzene	3.0 U	3.0 U
Hexachlorobutadiene	5.3 UJ	5.3 U
1,2-Dibromoethane	3.8 U	3.8 U
trans-1,2-Dichloroethene	2.0 U	2.0 U
1,2-Dichloroethene (total)	4.0	3.1

Notes:
1. All units in ug/m^3.
2. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
3. Volatile organic compounds quantitated by EPA TO-15
4. U designates compound was not detected at or above the quantitation limit shown.
5. NJ designates that the presense of an analyte that has been "tentatively identified" and the associated numerical value represents it's approximate concentration
6. UJ designates that the reported quantitation limit should be considered estimated because associated QC criteria was exceeded.

TO-14/15
Result Summary

CLIENT SAMPLE NO.

GP-5A (CAN 12818)

Lab Name: STL Burlington

SDG Number: 101669

Case Number:

Sample Matrix: Air

Lab Sample No.: 581341

Date Analyzed: 08/12/04

Date Received: 08/05/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	0.50	U	0.50	1.0	U	1.0
Vinyl Chloride	75-01-4	0.50	U	0.50	1.3	U	1.3
Chloroethane	75-00-3	0.50	U	0.50	1.3	U	1.3
Freon TF	76-13-1	0.50	U	0.50	3.8	U	3.8
1,1-Dichloroethene	75-35-4	0.50	U	0.50	2.0	U	2.0
Methylene Chloride	75-09-2	0.50	U	0.50	1.7	U	1.7
1,1-Dichloroethane	75-34-3	0.50	U	0.50	2.0	U	2.0
cis-1,2-Dichloroethene	156-59-2	1.1		0.50	4.4		2.0
Chloroform	67-66-3	0.50	U	0.50	2.4	U	2.4
1,1,1-Trichloroethane	71-55-6	0.50	U	0.50	2.7	U	2.7
Carbon Tetrachloride	56-23-5	0.50	U	0.50	3.1	U	3.1
Benzene	71-43-2	18		0.50	58		1.6
1,2-Dichloroethane	107-06-2	0.50	U	0.50	2.0	U	2.0
Trichloroethene	79-01-6	13		0.50	70		2.7
cis-1,3-Dichloropropene	10061-01-5	0.50	U	0.50	2.3	U	2.3
Tetrachloroethene	127-18-4	0.50	U	0.50	3.4	U	3.4
Ethylbenzene	100-41-4	15		0.50	65		2.2
1,1,2,2-Tetrachloroethane	79-34-5	0.50	U	0.50	3.4	U	3.4
1,4-Dichlorobenzene	106-46-7	0.50	U	0.50	3.0	U	3.0
Hexachlorobutadiene	87-68-3	0.50	U J	0.50	5.3	U J	5.3
1,2-Dibromoethane	106-93-4	0.50	U	0.50	3.8	U	3.8
trans-1,2-Dichloroethene	156-60-5	0.50	U	0.50	2.0	U	2.0
1,2-Dichloroethene (total)	540-59-0	1.0		0.50	4.0		2.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

GP-6A

Lab Name: STL Burlington

SDG Number: 101682

Case Number:

Sample Matrix: Air

Lab Sample No.: 581437

Date Analyzed: 08/11/2004

Date Received: 08/06/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Chloromethane	74-87-3	0.50	U	0.50	1.0	U	1.0
Vinyl Chloride	75-01-4	0.50	U	0.50	1.3	U	1.3
Chloroethane	75-00-3	0.50	U	0.50	1.3	U	1.3
Freon TF	76-13-1	0.50	U	0.50	3.8	U	3.8
1,1-Dichloroethene	75-35-4	0.50	U	0.50	2.0	U	2.0
Methylene Chloride	75-09-2	0.50	U	0.50	1.7	U	1.7
1,1-Dichloroethane	75-34-3	0.50	U	0.50	2.0	U	2.0
cis-1,2-Dichloroethene	156-59-2	0.84		0.50	3.3		2.0
Chloroform	67-66-3	15		0.50	73		2.4
1,1,1-Trichloroethane	71-55-6	0.50	U	0.50	2.7	U	2.7
Carbon Tetrachloride	56-23-5	0.50	U	0.50	3.1	U	3.1
Benzene	71-43-2	1.4		0.50	4.5		1.6
1,2-Dichloroethane	107-06-2	0.50	U	0.50	2.0	U	2.0
Trichloroethene	79-01-6	14		0.50	75		2.7
cis-1,3-Dichloropropene	10061-01-5	0.50	U	0.50	2.3	U	2.3
Tetrachloroethene	127-18-4	1.0		0.50	6.8		3.4
Ethylbenzene	100-41-4	0.81	NJ	0.50	3.5	NJ	2.2
1,1,2,2-Tetrachloroethane	79-34-5	0.50	U	0.50	3.4	U	3.4
1,4-Dichlorobenzene	106-46-7	0.50	U	0.50	3.0	U	3.0
Hexachlorobutadiene	87-68-3	0.50	U	0.50	5.3	U	5.3
1,2-Dibromoethane	106-93-4	0.50	U	0.50	3.8	U	3.8
trans-1,2-Dichloroethene	156-60-5	0.50	U	0.50	2.0	U	2.0
1,2-Dichloroethene (total)	540-59-0	0.77		0.50	3.1		2.0

Appendix G

Ground Water Sampling Results

Off-Site Ground Water Sampling Results
August 2-3, 2004

Old Erie Canal Site
Clyde, New York

Compound	COLE SUMP	MW-8S	MW-9S	GP-1A	GP-2A
Acetone	5.0 R	5.0 U	3.7 J	5.0 R	4.1 J
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	5.0 U	5.0 R	5.0 R	5.0 U	5.0 U
Carbon Disulfide	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	1.0 J	1.0 U	1.0 U	1.0 J	1.0 J
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	5.0 J	5.0 U	5.0 U	5.0 J	5.0 J
Methylene Chloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	5.0 J	5.0 U	5.0 U	5.0 J	5.0 J
Styrene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	0.28 J	0.28 J	1.0 U	1.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	1.0 U	1.0 U	0.26 J	1.0 U	1.0 U

Notes:

1. All units in ug/L (ppb).
2. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8260B
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.
6. UJ designates that the reported quantitation limit should be considered estimated because associated QC criteria was exceeded.
6. "R" designates that the reported sample result is not usable.

Off-Site Ground Water Sampling Results
August 2-3, 2004

Old Erie Canal Site
Clyde, New York

Compound	GP-3A	GP-4A	GP-5A	GP-6A	GP-7A
Acetone	3.6 J	14	Dry	Dry	2.5 J
Benzene	1.0 U	0.32 J			1.0 U
Bromodichloromethane	1.0 U	1.0 U			1.0 U
Bromoform	1.0 U	1.0 U			1.0 U
Bromomethane	1.0 U	1.0 U			1.0 U
2-Butanone	5.0 R	5.0 R			5.0 R
Carbon Disulfide	1.0 U	1.9			1.0 U
Carbon Tetrachloride	1.0 U	1.0 U			1.0 U
Chlorobenzene	1.0 U	1.0 U			1.0 U
Chloroethane	1.0 U	1.0 U			1.0 U
Chloroform	1.0 U	1.0 U			1.0 U
Chloromethane	1.0 U	1.0 U			1.0 J
Dibromochloromethane	1.0 U	1.0 U			1.0 U
1,1-Dichloroethane	1.0 U	1.0 U			1.0 U
1,2-Dichloroethane	1.0 U	1.0 U			1.0 U
1,1-Dichloroethene	1.0 U	1.0 U			1.0 U
cis-1,2-Dichloroethene	1.0 U	1.0 U			1.0 U
trans-1,2-Dichloroethene	1.0 U	1.0 U			1.0 U
1,2-Dichloropropane	1.0 U	1.0 U			1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U			1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U			1.0 U
Ethylbenzene	1.0 U	1.0 U			1.0 U
2-Hexanone	5.0 U	5.0 U			5.0 J
Methylene Chloride	1.0 U	1.0 U			1.0 U
4-Methyl-2-pentanone	5.0 U	5.0 U			5.0 J
Styrene	1.0 U	1.0 U			1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U			1.0 U
Tetrachloroethene	1.0 U	1.0 U			1.0 U
Toluene	1.0 U	1.1			0.32 J
1,1,1-Trichloroethane	1.0 U	1.0 U			1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U			1.0 U
Trichloroethene	1.0 U	1.0 U			1.0 U
Vinyl Chloride	1.0 U	1.0 U			1.0 U
Xylene (total)	1.0 U	1.1			1.0 U

Notes:

1. All units in ug/L (ppb).
2. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8260B
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.
6. UJ designates that the reported quantitation limit should be considered estimated because associated QC criteria was exceeded.
6. "R" designates that the reported sample result is not usable.

Off-Site Ground Water Sampling Results
August 2-3, 2004

Old Erie Canal Site
Clyde, New York

Compound	TRIP BLANK 101604	TRIP BLANK 101635
Acetone	5.0 R	5.0 U
Benzene	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U
Bromomethane	1.0 U	1.0 U
2-Butanone	5.0 U	5.0 R
Carbon Disulfide	1.0 U	1.0 U
Carbon Tetrachloride	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U
Chloroethane	1.0 U	1.0 U
Chloroform	1.0 U	1.0 U
Chloromethane	1.0 U	1.0 U
Dibromochloromethane	1.0 U	1.0 U
1,1-Dichloroethane	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U
cis-1,2-Dichloroethene	1.0 U	1.0 U
trans-1,2-Dichloroethene	1.0 U	1.0 U
1,2-Dichloropropane	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U
2-Hexanone	5.0 U	5.0 U
Methylene Chloride	1.0 U	1.0 U
4-Methyl-2-pentanone	5.0 U	5.0 U
Styrene	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U
Tetrachloroethene	1.0 U	1.0 U
Toluene	1.0 U	1.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U
Vinyl Chloride	1.0 U	1.0 U
Xylene (total)	1.0 U	1.0 U

Notes:

1. All units in ug/L (ppb).
2. All analyses performed by Severn Trent Laboratories of Burlington, Vermont.
3. Volatile organic compounds quantitated by EPA SW-846 Method 8260B
4. U designates compound was not detected at or above the quantitation limit shown.
5. J designates that the detected concentration should be considered estimated because the associated QC criteria was exceeded.
6. UJ designates that the reported quantitation limit should be considered estimated because associated QC criteria was exceeded.
6. "R" designates that the reported sample result is not usable.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

SUMP 080204

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101604

Matrix: (soil/water) WATER Lab Sample ID: 580962

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 580962

Level: (low/med) LOW Date Received: 08/03/04

% Moisture: not dec. _____ Date Analyzed: 08/03/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U J
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	~~5.0~~	~~U~~ R
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	5.0	U R 5.0 U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U J
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U J
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

SUMP 080204

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101604

Matrix: (soil/water) WATER Lab Sample ID: 580962

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 580962

Level: (low/med) LOW Date Received: 08/03/04

% Moisture: not dec. _____ Date Analyzed: 08/03/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

MW-8S-080304

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101635

Matrix: (soil/water) WATER Lab Sample ID: 581106

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 581106

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: not dec. _____ Date Analyzed: 08/05/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	~~5.0~~	~~U~~ 5.0 U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	~~5.0~~	~~U~~
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.28	J
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

MW-8S-080304

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101635

Matrix: (soil/water) WATER Lab Sample ID: 581106

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 581106

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: not dec. _____ Date Analyzed: 08/05/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

MW-9S-080304

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101635

Matrix: (soil/water) WATER Lab Sample ID: 581107

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 581107

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: not dec. _____ Date Analyzed: 08/06/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	3.7	J
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	~~5.0~~	~~U~~ P
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	0.28	J
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.26	J
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform		

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

MW-9S-080304

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101635

Matrix: (soil/water) WATER Lab Sample ID: 581107

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 581107

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: not dec. _____ Date Analyzed: 08/06/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

GP-1A 080204

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101604

Matrix: (soil/water) WATER Lab Sample ID: 580963

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 580963

Level: (low/med) LOW Date Received: 08/03/04

% Moisture: not dec. _____ Date Analyzed: 08/03/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	J
75-01-4	Vinyl Chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
67-64-1	Acetone	~~5.0~~	~~U~~	~~R~~ 5.0 U R
75-15-0	Carbon Disulfide	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
156-60-5	trans-1,2-Dichloroethene	1.0	U	
540-59-0	1,2-Dichloroethene (total)	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
156-59-2	cis-1,2-Dichloroethene	1.0	U	
78-93-3	2-Butanone	~~5.0~~	~~U~~	~~R~~ 5.0 U
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
71-43-2	Benzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
79-01-6	Trichloroethene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	J
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
127-18-4	Tetrachloroethene	1.0	U	
591-78-6	2-Hexanone	5.0	U	J
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylene (m,p)	1.0	U	
1330-20-7	Xylene (total)	1.0	U	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

GP-1A 080204

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101604

Matrix: (soil/water) WATER Lab Sample ID: 580963

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 580963

Level: (low/med) LOW Date Received: 08/03/04

% Moisture: not dec. _____ Date Analyzed: 08/03/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

GP-2A 080204

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101604

Matrix: (soil/water) WATER Lab Sample ID: 580964

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 580964

Level: (low/med) LOW Date Received: 08/03/04

% Moisture: not dec. _____ Date Analyzed: 08/03/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U J
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	4.1	J
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	~~5.0~~	~~U~~ R 5.0 u J
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U J
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U J
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (m,p)	1.0	U
1330-20-7	Xylene (total)	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

GP-2A 080204

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101604

Matrix: (soil/water) WATER Lab Sample ID: 580964

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 580964

Level: (low/med) LOW Date Received: 08/03/04

% Moisture: not dec. _____ Date Analyzed: 08/03/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

GP-3A-080304

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101635

Matrix: (soil/water) WATER Lab Sample ID: 581105

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 581105

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: not dec. _____ Date Analyzed: 08/06/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	3.6	J
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	~~5.0~~	~~U~~
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U

~~5.0 U~~ R

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

GP-3A-080304

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101635

Matrix: (soil/water) WATER Lab Sample ID: 581105

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 581105

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: not dec. _____ Date Analyzed: 08/06/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

GP-4A-080304

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101635

Matrix: (soil/water) WATER Lab Sample ID: 581109

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 581109

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: not dec. _____ Date Analyzed: 08/06/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	14	JA1
75-15-0	Carbon Disulfide	1.9	
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	~~5.0~~	~~U~~ R
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	0.32	J
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.1	
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (total)	1.1	
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

GP-4A-080304

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101635

Matrix: (soil/water) WATER Lab Sample ID: 581109

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 581109

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: not dec. _____ Date Analyzed: 08/06/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

GP-7A-080304

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101635

Matrix: (soil/water) WATER Lab Sample ID: 581104

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 581104

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: not dec. _____ Date Analyzed: 08/05/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	2.5	J
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	~~5.0~~	~~U~~ R
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.32	J
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

GP-7A-080304

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101635

Matrix: (soil/water) WATER Lab Sample ID: 581104

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 581104

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: not dec. _____ Date Analyzed: 08/05/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

TRIP_BLANK

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101635

Matrix: (soil/water) WATER Lab Sample ID: 581108

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 581108

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: not dec. _____ Date Analyzed: 08/05/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	~~5.0~~	~~U~~ R
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	~~5.0~~	~~U~~ R
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

TRIP_BLANK

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101635

Matrix: (soil/water) WATER Lab Sample ID: 581108

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 581108

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: not dec. _____ Date Analyzed: 08/05/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

TRIP BLANK

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101604

Matrix: (soil/water) WATER Lab Sample ID: 580965

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 580965

Level: (low/med) LOW Date Received: 08/03/04

% Moisture: not dec. _____ Date Analyzed: 08/04/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	J
75-01-4	Vinyl Chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
67-64-1	Acetone	~~5.0~~	~~U~~	R
75-15-0	Carbon Disulfide	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
156-60-5	trans-1,2-Dichloroethene	1.0	U	
540-59-0	1,2-Dichloroethene (total)	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
156-59-2	cis-1,2-Dichloroethene	1.0	U	
78-93-3	2-Butanone	~~5.0~~	~~U~~	R 5.0 U
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
71-43-2	Benzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
79-01-6	Trichloroethene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	J
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
127-18-4	Tetrachloroethene	1.0	U	
591-78-6	2-Hexanone	5.0	U	J
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylene (m,p)	1.0	U	
1330-20-7	Xylene (total)	1.0	U	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

OBGNYA SAMPLE NO.

TRIP BLANK

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 101604

Matrix: (soil/water) WATER Lab Sample ID: 580965

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 580965

Level: (low/med) LOW Date Received: 08/03/04

% Moisture: not dec. _____ Date Analyzed: 08/04/04

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-47-6	Xylene (o)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

Appendix H

Results of Chemical Inventory

Appendix H

Results of Chemical Inventory

Chemical Description

ZL-67 ZYGLO WATER WASHABLE PENETRANT
AEROSOL COIL CLEANER
AEROBRAZE BINDER
NAD DEVELOPER
SHARK ACID REPLACEMENT CLEANER
BIO-PEN NQ-1 DEVELOPER
POWER CLEAN LD
STATE CHEMICAL 999
CERTANE 2075 RAINCOAT
XD-84 DEVELOPER
62000 INK
FROST PATCH
ALCOHOL SAL-0402
EXTEND RUST TREATMENT
6401 MONOLEC TURBINE OIL
S-1141 INK
SUPER FLEX (LOCTITE)
TRIBOLUBE LUBRICANT
HYPERSOLVE NPB
METHANOL SAL-0400
METHANOL 99.5%
PRECISION B VACUUM PUMP FLUID
6791210 RETAINING COMPOUND (LOCTITE)
EVERLUBE 811
EVERLUBE 9002
SXC OIL(XRAY)
RC/680 RETAINING COMPOUND (LOCTITE)
ADDUN COOLING FLUID ADDITIVE
D100 DEVELOPER
FASTI STEARATE POWDER
G-4192 THERMELEC
OPSOT SUSPENSION
RESIF HOT MELTING MATL
SAPNI SUSPENSION
SAPTE DIAMOND POLISHING LIQUID
ZINC CHLORIDE
DX100 BLUE DYKEM
DX265 GREEN DYKEM
DX296 RED DYKEM
HYDRO-150
FORM-A-THREAD TUBE
14-635-5D HIGH VACUUM GREASE
BOELUBE
TURBINE OIL #9
CRC 2-26
VISCOR L-5017
SC-125 PLEXIGLAS BOND CLEANER
STO HARDENER
VACUSOL FURNACE CLEANER

Appendix H

Results of Chemical Inventory

Chemical Description

TURCO
MC 335 LF
QUICK METAL PRESS FIT TUBE (LOCTITE)
EDM PLUS
CITRUS HIGH FLASH
ULTRA COOLANT INGERSOLL-RAND
POWER CLEAN
SODIUM HYDROXIDE
SODIUM NITRATE GRANUALS
ACRYLOID
VERTREL XF
LACQUER STIK
RYDLYME
S.S. WHITE
PHENOL LIQUID
DYKEM PENS (VARIOUS COLORS)
SIMICHROME POLISHING PASTE
2084 METAL SEALANT
HALOCARBON GREASE
LIQUI-VAC HIGH VACUUM SEALANT
FUSION CKT-1900-750
NICROBRAZ 310 CEMENT
NICROBRAZ 510 CEMENT
TEXACO 499 OIL
#3 ANTI-SCORING LUBE
800 FUEL SEALANT
AMMONIUM BIFLORIDE
SOLNUS 55
SHURGRIND 86
RANCE RID COOLANT DEODORIZER
CLEAN UP SOLVENT (NITROMETHANE)
NI-712 ODOR ELIMINATION
PURFI DP LUBRICANT
SAFETY SOLVENT (LOCTITE)
SOLUBLE OIL (BUEHLER)
20-3100 PHENOLIC BLACK POWDER
20-3400 TRANSOPTIC WHITE POWDER
VACTRA OIL #1
EVERCYCLE 2000
FREMONT 3045
ALCOHOL 99%
ALCOHOL 70%
ACETONE
LENIUM ES
CHEM CREST 905
PCL OIL & LUBE
CIMTAP TAPPING SOLUTION
COOL TOOL II TAPPING SOLUTION
IC-3001 PRO RING VACUUM GREASE

Appendix H

Results of Chemical Inventory

Chemical Description

MOLYKOTE G-N PASTE
MOLYCOTE G-N SPRAY
GREEN ROUGE LAPPING COMPOUND
#11 BROWN ROUGE LAPPING COMPOUND
#51 RED ROUGE LAPPING COMPOUND
3LDIAMOND LAPPING COMPOUND
BORAZON LAPPING COMPOUND
BLUE DIAMOND LAPPING COMPOUND
TETRA-BOR LAPPING COMPOUND
DICO BUFFING COMPOUND
15820 DEVCON FLEXANE 80 PUTTY
ALODINE COMMERCIAL ANODIZING
DYNA-CAST PART A FAST REPRODUCING PLASTIC
DYNA-CAST PART B FAST REPRODUCING PLASTIC
MUSTARD LAPPING COMPOUND
#14 THIN LIQUID FOR #7 PASTE
#29 LOW EXPANSION CEMENT LIQUID
#29 LOW EXPANSION POWDER
#2 PLASTIC POLISH
ABZOL BRONOPROPANE
DYKEM REMOVER
MD1118 INK
SPITFIRE LAPPING OIL
KWIKSEAL LUBRICANT
10ELECTROLYTE (ELECTROMARK)
3LECTROETCH CLEANER (ELECTROMARK)
LNC3 ELECTROLYTE (ELECTROMARK)
NEUTRALYTE (ELECTROMARK)
STEP 1 CLEANER/DEGREASER
STEP 2 RUST INHIBITOR
STEP 3 RUST INHIBITOR LUBE
LACTIC ACID
MURIATIC ACID
OXALIC ACID
ACETIC ACID
FERRICCHLOR CHLORIDE
FREON TTF TRICHLORTRIFLOUROETHANE
FREON SAMPLE
HYDROCHLORIC ACID
HYDROFLUORIC ACID
AK-225 ASAHIKLIN SAMPLE LIQUID
KCD9545 SAMPLE LIQUID
NITRIC ACID
EVERCLEAN 2000 LEAN JET SOLUTION
BRYLCO OIL
32268435 INGERSOLL RAND OIL
6301 MONOLEC OIL
BRAYCO OIL
CALIBRATING FLUID

Appendix H

Results of Chemical Inventory

Chemical Description

CONSPIN 6 OIL
DSL 300 OIL
DSL 44 OIL
DSL-47 OIL
DSL-ATF OIL
DSL HYDROL150 OIL
DTE-24 OIL
HONING OIL
HYDROL 146 OIL
INLAND 77 OIL
INLAND 97 OIL
INVOIL 702 OIL
INVOIL 704 OIL
MOBIL DTE24 OIL
MOBILMET SIGMA OIL
PELLA A OIL
SUL 24KT OIL
SUPER X OIL
TYPE GP OIL
VACTRA 2 OIL
VACTRA 4 OIL
VACTRA 1 OIL
VELOCITE #3 OIL
VELOCITE #10 OIL
VELOCITE #6 OIL
BP-180 EDM OIL
IONOPLUS OIL
TEXACO CODE 499 OIL
MPO-190 OIL
ALPHA 55GDR
VISCOR L-5017 OIL
TURBO OIL
V-LUBE J OIL
DYNAFLUX LUBRICANT
ZL-66A ZYGLO WATER WASHABLE PENETRANT
FLORCLAD PRIMER
FLORCLAD HD
FLORCLAD AGGREGATE
OVERKRETE E-100 OP
OVERKRETE XTRA E-100 S