REVISED
REMEDIAL INVESTIGATION AND ALTERNATIVES ANALYSIS REPORT

FORMER DAVIDSON COLLISION SITE
399 GREGORY STREET
ROCHESTER, NEW YORK

JANUARY 2008

Prepared for:

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
6274 EAST AVON-LIMA ROAD
AVON, NEW YORK 14414

Prepared on behalf of:

CITY OF ROCHESTER
DIVISION OF ENVIRONMENTAL QUALITY
30 CHURCH STREET, ROOM 300-B
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Prepared by:

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January 7, 2008

Mr. Bart Putzig, P.E.
NYSDEC
Division of Hazardous Waste Remediation
6274 East Avon-Lima Road
Avon, New York 14414

RE: Revised Remedial Investigation and Alternatives Analysis Report
Former Davidson Collision Site - 399 Gregory Street
Site No. C828091
City of Rochester, Monroe County

Dear Bart:

On behalf of the City of Rochester, please find enclosed the Revised Remedial Investigation and Alternatives Analysis Report (RI/AAR) for the Former Davidson Collision Site located in the City of Rochester, Monroe County, New York. This work was performed pursuant to the City of Rochester's 2003 Brownfield Assessment Grant from the United States Environmental Protection Agency (EPA) and the City's Brownfield Cleanup Agreement with the New York State Department of Environmental Conservation (DEC). The RI/AAR activities were conducted in accordance with the DEC approved December 2004 Remedial Investigation Work Plan and its subsequent DEC approved modifications as noted in the body of this Report.

This RI/AAR incorporates the Department's comments dated March 1, 2007, the results of our March 22, 2007 meeting and our Response to Comments letter dated September 7, 2007. Should you have any further questions, please contact us.

Sincerely,

Michael P. Storonsky
Senior Associate

Sincerely,

David P. Belaskas, P.E.
Associate

Enclosure
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File

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EXECUTIVE SUMMARY

A Remedial Investigation (RI) and Alternatives Analysis Report (AAR) has been prepared by Stantec Consulting Services Inc. (Stantec) for the former Davidson Collision Site (Site) located at 399 Gregory Street, Rochester, NY (Figure 1) as part of the City of Rochester's 2003 Brownfield Assessment grant from the United States Environmental Protection Agency (EPA) and the City's Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (DEC). The objectives of this RI/AAR included: the identification of site soil and groundwater gaps; performing additional investigation in order to close data gaps, performing a qualitative exposure assessment; establishing appropriate remedial objectives; and selecting effective remedial alternatives, taking into account contemplated site reuse plans. The Site is zoned for commercial uses and a commercial re-use is contemplated.

The former Davidson Collision Site (Site No. 828091) is located at 399 Gregory Street and operated as an auto body shop from the early 1960s until it went out of business in March 1993. The City of Rochester (City) acquired the 399 Gregory Street parcel (County of Monroe Tax ID No. 121-650-0001.053.000) in November 2004 through delinquent tax foreclosure proceedings. The adjacent undeveloped grass-covered 10 Cayuga Street parcel was also part of Davidson Collision, however, it was purchased by a third party, Mr. John Trickey. Therefore, 10 Cayuga Street is not part of the site subject to the BCA.

Previous investigations at the Site between 1991 and 1994 identified the disposal of paint waste including paint thinner through a pipe leading from a paint booth inside the shop to a storage container outside the building. In January 1993, some contaminated soil from the waste disposal area was excavated. However, confirmatory soil samples were not taken and the vertical and lateral limits of impacted soil were not determined prior to backfilling. The 1991 and 1993 activities were performed without DEC approval or oversight. In 1994, the DEC conducted an investigation and determined the 1993 soil removal activity did not remove all of the subsurface contamination at the Site. As such, the DEC conducted an investigation in 2000-2002 to obtain additional information regarding the nature and extent of contamination at the Site and to determine if the Site represents a significant threat to human health or the environment. The DEC concluded there was a small, highly impacted Volatile Organic Compound (VOC) source area, but nearby residents were not impacted. The City subsequently obtained an EPA Brownfield grant and applied to the DEC to address the Site through the State's Brownfield Cleanup Program.

Given the results from the prior investigations, the 2005 RI focused on two areas of concern (AOCs) previously identified by the DEC. These two AOCs include the former waste paint disposal area (AOC 1) and the former vehicle maintenance/trench drain area (AOC 2) as depicted on Figure 2.

Soils

AOC 1

Results from the 2005 RI indicate no impacts from VOCs to soils at concentrations above DEC Recommended Soil Cleanup Objectives (RSCOs) outside the previously investigated waste disposal and paint booth area (AOC 1). However, one sample, B-205 (Figure 3), had elevated PID readings and a nuisance petroleum odor.

During prior investigations performed during the 1990s, two semi-volatile organic compounds (SVOCs), 4-methylphenol and 2-methylphenol, were reported in soil from MW-101 (6-8 feet) at concentrations above RSCOs. In addition, butyl benzyl phthalate was reported in BS-108 (8-10 feet) and naphthalene was reported by DEC above RSCOs in MW-116 (8-11 feet). These prior SVOC findings fall within the area of previously reported elevated VOC concentrations in AOC 1. AOC 1 will require remedial action to address the nuisance soils and previously identified VOC and SVOC impacts to soils and is considered Remedial Area of Concern (RAOC) 1.

AOC 2

Within AOC 2, a duplicate soil sample collected from boring B-214 (Figure 3) in the 0-4 ft. below ground surface (bgs) interval, was reported to contain one VOC, acetone, at a concentration slightly above the RSCO. This soil sample was also reported to have a nuisance petroleum odor and elevated PID readings. All other VOCs reported at detectable concentrations in AOC 2 soil samples were below RSCOs.

One SVOC, benzo(a)pyrene, was reported in four of the six soil samples collected from AOC 2 at concentrations that slightly exceed the RSCO. These samples, from B-213, B-214, B-216 and B-217, were all collected from the 0-4 ft. bgs interval within miscellaneous fill material. All other SVOC concentrations reported in soil from AOC 2 during the RI were below RSCOs.

The reported concentrations of benzo(a)pyrene, while above the RSCO, is common in urban fill as a result of the abundance of ash and cinders which are the byproducts of the combustion of organic fuels (e.g., coal). During prior investigations, surficial soil samples (SS-106 through SS-110) were reported to contain concentrations of up to four PAHs at concentrations above RSCOs (see Appendix E). Background sampling performed elsewhere in the City of Rochester within urban right-of-ways has yielded comparable and higher concentrations. Another Brownfield site in the City, the Former APCO Property, (with a proposed residential use) was not required to undergo remediation for comparable and higher total concentrations of benzo(a)pyrene and six other PAHs (5 mg/kg) as per the DEC Record of Decision (ROD). As an alternative to excavation and off-site disposal, development and implementation of an Environmental Management Plan combined with placement of an impervious cover, or one foot of clean soil are typically used to address low level PAH impacts.

The presence of metals in soils is coincident with the distribution of miscellaneous fill across portions of the site. A number of these metals, including aluminum, calcium, copper, magnesium, manganese, nickel and zinc are relatively common in urban fill and/or regional soils and generally have low toxicity. Five of the metals (arsenic, cadmium, lead, mercury, and selenium) are included in the group of eight Resource and Conservation Recovery Act (RCRA) metals that are generally of greater concern for their toxicity. However, the mercury concentrations were less than 1 mg/kg cleanup goal established by the DEC in the previously referenced Former APCO Property ROD.

In order to further evaluate the metals in soil data they were subjected to statistical analysis involving determination of the standard deviation. Locations within AOC 2 that were reported with metals in soil concentrations that are not within two standard deviations from the mean included: B-213 (cadmium), B-216 (copper and zinc) and B-217 (lead). As a result, the noted metals in these locations were identified as potential contaminants of concern.

Based upon the presence of the above noted elevated metals, one VOC, and petroleum odors, AOC 2 soils are considered to be RAOC 2.

AOC 3

In reviewing the DEC data, a third potential Remedial Area of Concern (RAOC 3) was identified at the MW-105 location (Figure 2) where DEC reported metals impacted soil (arsenic, beryllium, nickel and selenium) in a 6-8 ft. bgs sample which are not within two standard deviations of their mean concentrations. This boring was located on the City property slightly east of AOC 1 along the common property line with 10 Cayuga Street. The potential extent of the metals impacts to soil around MW-105 was not previously defined. A design phase investigation is recommended to determine the extent of the impacts, followed by the implementation of remedial measures, as appropriate.

Groundwater

AOC 1

Groundwater samples collected during the RI were reported to contain low-level concentrations of VOCs in AOC 1 within MW-101 and MW-116 above DEC groundwater standards and guidance values (GSGVs). During prior sampling events, VOCs were reported at much higher concentrations in both MW-101 and MW-116 suggesting that natural attenuation may be occurring.

Stantec observed a very thin light non-aqueous phase liquid (LNAPL) layer in MW-101. During a prior investigation, LNAPL was reported in nearby well MW-116. However, no LNAPL was detected in MW-116 or any other boring or well in the vicinity of MW-101 during the RI. Based upon these limited LNAPL findings, the presence of LNAPL appears to be a localized condition within AOC 1. Given the VOCs and LNAPL observed, remediation of groundwater impacts is recommended in RAOC 1.

AOC 2

No VOCs or SVOCs were reported at concentrations above DEC GSGVs in the 2005 RI monitoring wells within AOC 2.

Site-wide Metals

Metals in site-wide groundwater have exhibited elevated concentrations for iron, magnesium, manganese and sodium. These elements are common in regional soils and urban fill and as a result are often elevated in groundwater. In addition, cadmium was reported above its GSGV in one bedrock well, MW-BR3, in March 2001. Given the City's ordinance, which prohibits the use of drinking water wells, and the absence of completed exposure pathways, the site-wide presence of metals in groundwater does not appear to warrant further investigation or remedial measures.

Recommended Remedy

RAOC 1

Within RAOC 1, impacted soil above RSCOs for VOCs and/or SVOCs have been reported in MW-101, B-108, B-1 and MW-116. In addition, B-205 had an elevated PID reading (89 ppm) and strong petroleum odors, which would be a nuisance characteristic. The maximum depth of concentrations exceeding RSCOs was 11 ft. bgs in both B-1 and MW-116. Alternative C, Removal, involving excavation of the area shown on Figure 9, extending to an estimated depth of 11 ft., totaling an estimated 425 cu. yds. of soil and 30 cu. yds. of concrete is recommended.

Removal of the concrete within the pit in RAOC 1 is included in this recommendation. In addition, In-Situ Groundwater Treatment is also recommended. This would involve applying an estimated 500 lbs. of an oxygen additive such as ORC or EHC-O to the open excavation to assist in addressing residual VOC impacted groundwater.

Following excavation and the application of an oxygen additive to the excavation, we recommend conducting one year of groundwater monitoring to verify the effectiveness of the remedial measures.

RAOC 2

Within RAOC 2, impacted soils above RSCOs for acetone, petroleum odors, and elevated metals including copper, cadmium, lead and zinc are recommended for removal within fill material in the 0-4 ft. bgs interval as shown on Figure 9. Alternative C, Removal, is recommended to involve 285 cu. yds. of soil in the area containing B-212, B-213, B-214, B-216/MW-216, and B-217/MW-217. Soils at depths greater than four feet are considered unlikely to create a significant human health or ecological exposure pathways and therefore they are not recommended for removal. Implementation of institutional and engineering controls including an Environmental Site Management Plan, an Environmental Easement and the City BIS flagging system would be recommended to deal with residual lower level metals and PAH impacted urban fill that is present and would remain elsewhere across the Site.

RAOC 3

Metals of concern reported in soils in MW-105 (6-8 ft. bgs) above RSCOs involving arsenic, beryllium, cadmium, nickel and selenium are recommended for removal (Alternative C). However, the limits of the metals impacts to the soil in the area of MW-105 have not been fully delineated. Therefore, a DPI consisting of a one-day Geoprobe program to further delineate the impacted zone is recommended. Based upon field observations, up to eight (8) soil samples are recommended to be collected from the advancement of Geoprobe borings and submitted for laboratory analysis of TAL metals. At this time it is estimated the removal program around MW-105 could involve an estimated 170 cu. yds. and extend to a depth of 8 ft. bgs.

1.0 INTRODUCTION / PURPOSE

A Remedial Investigation and Alternatives Analysis Report (RI/AAR) was performed by Stantec Consulting Services Inc. (Stantec) for the former Davidson Collision Site (Site) located at 399 Gregory Street, Rochester, NY (Figure 1) as part of the City of Rochester's 2003 Brownfield Assessment Grant from the United States Environmental Protection Agency (EPA) and the City's Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (DEC).

The former Davidson Collision Site (Site No. C828091) is located at 399 Gregory Street and operated as an auto body shop from the early 1960s until it went out of business in March 1993. The City of Rochester (City) acquired the 399 Gregory Street parcel in November 2004 through delinquent tax foreclosure proceedings (County of Monroe Tax Identification Number 121-650-0001.053.000). The adjacent undeveloped grass-covered 10 Cayuga Street parcel was previously part of Davidson Collision, however, it is currently owned by a third party, Mr. John Trickey. Therefore, 10 Cayuga Street is not part of the Site subject to the BCA.

Previous investigations at the Site between 1991 and 1994 identified the disposal of paint waste including paint thinner through a pipe leading from a paint booth inside the shop to a storage container outside the southwest corner of the building. In January 1993, some contaminated soil from the waste disposal area was excavated. However, confirmatory soil samples were not taken and the vertical and lateral limits of impacted soil were not determined prior to backfilling. The 1991 and 1993 activities were performed without DEC approval or oversight. In 1994, the DEC conducted an investigation and determined the 1993 soil removal activity did not remove all of the subsurface contamination at the Site. As such, the DEC conducted an investigation in 2000-2002 to obtain additional information regarding the nature and extent of contamination at the Site and to determine if the Site represents a significant threat to human health or the environment. The DEC concluded there was a small, highly impacted source area, but nearby residents were not impacted. The City subsequently obtained an EPA Brownfield grant and applied to the DEC to address the Site through the State's Brownfield Cleanup Program.

This report identifies the remedial investigation and alternatives analysis tasks that were completed in accordance with the Remedial Investigation Work Plan (RI Work Plan) dated December 2004. The RI Work Plan was approved by the DEC with modifications and clarifications contained in a letter to the City on April 20, 2005. Included in this letter was a request for a soil vapor monitoring program. A Sub-Slab Soil Gas Survey Work Plan was subsequently submitted in June 2005 and approved by the DEC in a letter to the City on August 8, 2005.

1.1 Project Objectives

The objectives of this RI/AAR included the identification of site soil and groundwater gaps, performing additional investigation in order to close data gaps, performing a qualitative exposure assessment, establishing appropriate remedial objectives and selecting effective remedial alternatives, taking into account contemplated site reuse plans.

The RI Work Plan identified two areas of concern (AOCs) previously investigated by the DEC. The AOCs are shown on Figure 2 and include the former paint booth and waste paint disposal area (AOC 1) and the former vehicle maintenance area (AOC 2). In addition, a pit in the vicinity of monitoring well MW-114 was included with AOC 1.

A review of the March 2003 Site Investigation Report prepared by the DEC indicated that VOCs in subsurface soils and groundwater would be the primary focus of the investigation at the site. No VOCs were previously detected in surficial soils. VOC contamination was only reported to be present in subsurface soils and groundwater near the southwest corner of the building in AOC 1 where waste paint disposal (paint waste and paint thinner) had occurred. In addition, groundwater contamination associated with this waste disposal appeared to be primarily limited to the overburden.

Given the DEC's results, the focus of the Remedial Investigation in AOC 1 was limited to VOCs in subsurface soils and groundwater. SVOC and metals analyses were not previously conducted in AOC 2. Therefore, given the historical use of this area for vehicle maintenance, soil and groundwater sampling in AOC 2 included SVOCs, metals and PCBs analyses, in addition to VOCs.

1.2 Scope of Remedial Investigation

In accordance with the RI Work Plan, the following scope of work was completed:

- Eighteen (18) soil borings were completed: twelve (12) borings in AOC 1 in the southwestern portion of the site and six (6) borings in AOC 2 in the southeastern portion of the site;
- Soil sampling was performed at each boring: twelve (12) soil samples (plus one matrix spike/ matrix spike duplicate (MS/MSD) sample) were collected from AOC 1 for analysis of Target Compound List (TCL) Volatile Organic Compounds (VOCs) plus Tentatively Identified Compounds (TICs) by OLM method 4.2; and six (6) soil samples (plus one MS/MSD and a duplicate sample) were collected from AOC 2 for analysis of TCL VOCs plus TICs, TCL Semi-Volatile Organic Compounds (SVOCs) plus TICs and Polychlorinated Biphenyls (PCBs) by OLM method 4.2 and Target Analyte List (TAL) metals by ILM method 5.1;
- New wells were completed in six soil borings; four (4) wells in AOC 1 and two (2) wells in AOC 2;
- An initial round of groundwater sampling was completed on new and existing wells. Four (4) new wells and seven (7) existing wells were sampled in AOC 1 for analysis of TCL VOCs plus TICs; and two (2) new wells and three (3) existing wells were sampled in AOC 2 for analysis of TCL VOCs plus TICs, TCL SVOCs plus TICs, PCBs and TAL Metals;
- A second round of groundwater sampling was conducted on the 6 new wells for TCL VOCs (plus a trip blank) using EPA Method 8260. Two wells were also re-sampled for TAL metals using ILM Method 5.1 to evaluate the potential effects of elevated turbidity levels on metals concentrations;
- New and existing monitoring wells were surveyed using elevation coordinate system NGVD '88 and NAD '83 UTM Zone 18 coordinate system for horizontal control;

- Three complete rounds of groundwater elevation measurements, plus light non-aqueous phase liquid (LNAPL) evaluations were completed on all new and existing wells;
- Two rounds of indoor and outdoor air sampling were completed at 395 Gregory Street;
- One round of sub-slab soil vapor sampling was completed at 395 Gregory Street;
- A data usability report was prepared for the soil, groundwater and soil vapor sampling data; and
- Drummed soil and groundwater were properly disposed off-Site.

2.0 BACKGROUND

The investigation and remediation of the Davidson Collision site is a key to the City's efforts to redevelop several vacant and abandoned properties located throughout the City in densely populated commercial and residential areas. The property was acquired by the City through tax foreclosure.

The City demolished the building prior to the commencement of RI activities. The City conducted testing and abatement of asbestos containing building materials (ACBM), demolition activities and construction of a Site fence. The building's concrete slab was left in place to provide cover for impacted soils until remediation is completed.

The Davidson Collision Site (Site No. 828091) originally consisted of two adjoining parcels. The Davidson Collision business located at 399 Gregory Street, operated as an auto body shop from the early 1960s until it went out of business in March 1993. In June 1993, the auto body shop reopened under new management and the new name of Southwedge Collision. The adjoining 10 Cayuga Street parcel consists of an unimproved grass-covered parcel that was formerly owned by Davidson Collision. The 10 Cayuga Street property is presently owned by Mr. John Trickey and is not considered part of the Site under the BCA.

Previous investigations at the Site between 1991 and 1994 identified the disposal of paint waste including paint thinner through a pipe leading from a paint booth inside the shop to a storage container outside the building. This method of discharging paints and paint thinner had contaminated soil near the southwestern corner of the auto body shop. In January 1993, some contaminated soil from the waste disposal area was excavated. However, confirmatory soil samples were not taken and the vertical and lateral limits of impacted soil were not determined prior to backfilling. The 1991 and 1993 activities were performed without DEC approval or oversight. In 1994, the DEC conducted an investigation and determined the 1993 soil removal activity did not remove all of the subsurface contamination at the Site. As such, the DEC conducted an investigation in 2000-2002 to obtain additional information regarding the nature and extent of contamination at the Site and to determine if the Site represents a significant threat to human health or the environment. The DEC concluded there was a small, highly impacted source area, but nearby residents were not impacted. The City subsequently obtained an EPA Brownfield grant and applied to the DEC to address the Site through the State's Brownfield Cleanup Program.

2.1 Previous Investigations

Previous environmental studies that have been completed at the 399 Gregory Street Site and the adjacent 10 Cayuga Street parcel included the following:

- September 1991 Phase II Investigation[1];
- August 1995 Preliminary Site Assessment Report[2]; and
- March 2003 Site Investigation Report[3].

Presented below is a summary of the findings and conclusions from these previous investigations.

September 1991 Phase II Investigation[1]

Based upon the following information, the report concluded that additional investigations were needed in order to determine the vertical and lateral extent of soil contamination to determine if groundwater had been impacted:

1. A 55-gallon drum was determined to contain hazardous waste (elevated chromium, lead, toluene, styrene, ethylbenzene and xylene) and surface soil surrounding the drum was contaminated with toluene, ethylbenzene and xylene.

2. Surface soil collected from the waste paint area was contaminated with toluene, ethylbenzene and xylene.

3. A concrete poured, in-ground hydraulic lift pit (7'X8') with a yellowish-brown liquid that contained methylene chloride, toluene and xylene was described as being located in the "eastern garage section".

4. A gap in the floor paint storage/mixing room was screened with a PID and an FID and no detectable readings were reported.

5. Floor and trench drain dye tests were performed and the drains were determined to discharge to the combined sanitary/storm sewer system. It was noted that the floor drain located outside the paint booth was clay tile with a portion of the tile missing.

August 1995 Preliminary Site Assessment Report[2]

1. Organic compounds, butylbenzylphthalate and lead, were detected in surficial soil samples at relatively low concentrations. An exhaust fan was observed discharging a visible quantity of dust and automotive paint to the ground surface from the rear of the building.

2. Elevated concentrations of ethylbenzene, toluene and total xylenes were detected in subsurface soil samples from depths of 6'-8' and 8'-10' below ground surface (bgs) from BS-101 and BS-108 located in the waste paint disposal excavation area.

3. Elevated concentrations of benzene, ethylbenzene, toluene and total xylenes were detected in groundwater samples from MW-101 located in the waste paint disposal excavation area. With the exception of a single detection of bis(2-ethylhexyl)phthalate, no organic compounds were detected in MW-103 and MW-104. There were contraventions of groundwater standards for several inorganics, however, due to significant suspended particulates, the evaluation of these reported contraventions was difficult.

Based upon the above information, the report concluded that waste paint and paint thinner related impacts were present in soil and groundwater, however, no receptors for contaminated groundwater were identified and therefore the Site was determined not to pose a significant threat to public health.

March 2003 Site Investigation Report[3]

Volatile organic compounds (VOCs) in surficial soils, subsurface soils, and groundwater were the primary focus of this investigation to help determine the extent of contamination at the Site. This study by the DEC concluded:

1. No VOCs were detected in surficial soils.

2. VOC contamination was present in subsurface soils and groundwater near the southwest corner of the building in an area where waste paint and paint thinner disposal had occurred.

3. VOC contaminated soils were present at a depth of approximately 6' below ground surface and extended into groundwater.

4. Significant groundwater contamination associated with waste paint and paint thinner disposal appeared to be limited to the overburden.

5. A source of petroleum related VOC contamination, which is not associated with the waste paint and paint thinner disposal area, appeared to be present under the eastern section of the building where automobile maintenance was routinely performed.

6. There were no indications of significant off-Site migration of contaminated groundwater towards neighboring residences.

2.2 Identification of Site Soil and Groundwater Data Gaps

City and Stantec personnel performed a Site inspection on December 13, 2004. The interior of the building was filled with a significant amount of debris including abandoned cars, bicycles, rubbish, etc. The observations noted during the visit were consistent with the prior observations noted by the DEC with the exception of a concrete floor pit in the eastern portion of the building. It is suspected that this may have been the pit found during the September 1991 Phase II Investigation. The pit was covered with steel floor plates and contained two hydraulic reservoirs. Standing oil was present in the bottom of the pit with visible dark staining approximately one-half the way up the pit walls. No debris was visible in the standing oil.

References:

1 "Phase II Investigation, Davidson's Collision, 399 Gregory Street, Rochester, New York. Prepared by Day Environmental, Inc., September 21, 1991."

2 "Preliminary Site Assessment Report, Davidson's Collision, DEC Site No. 828091, Rochester, New York. Prepared by ABB Environmental Services, August 1995."

3 "Site Investigation Report, Davidson's Collision, Site No. 828091, Rochester, New York. Prepared by Frank Sowers, PE, New York State Department of Environmental Conservation, Division of Environmental Remediation, Region 8, March 2003."

Based on the information presented in the previous investigation reports by the DEC and others and the Site inspection performed on December 13, 2004, the following data gaps were identified for additional investigation:

- The lateral extent of soil contamination in the vicinity of the paint booth and waste paint disposal area (inside the building and on the southwest side of building) had not been fully delineated.
- It was noted that a light non-aqueous phase liquid (LNAPL) was present in one groundwater monitoring well (MW-116, located off-Site and adjacent to the west of the building) during the 2000-2002 investigation. The vertical and lateral extent of the LNAPL layer had not been delineated.
- The extent of potential petroleum related soil and/or groundwater VOC contamination in the vicinity of the southeastern section of the building where automobile maintenance routinely occurred had not been delineated.
- A chlorinated solvent (trichloroethylene) was detected at 1,800 parts per billion (ppb) in one soil sample during a 1994 sampling event from the waste paint disposal area and methylene chloride was detected at 3.56 parts per million (ppm) during a 1991 sampling event of the accumulated liquid from the in-ground hydraulic lift pit in the "eastern garage section". The potential extent of these compounds required further investigation.
- The extent of potential impacts to the subsurface from the standing oil in the eastern concrete floor pit had not been evaluated. This was suspected to be the same pit that was sampled by the DEC in 1991 and found to contain methylene chloride at a concentration of 3.56 ppm, as described above.

3.0 FIELD PROGRAM

The RI field program included soil borings and soil sampling, monitoring well installations, groundwater monitoring and sampling, and soil vapor sampling. Hydrogeologic and laboratory analytical results are presented in Section 4.0.

3.1 Geoprobe Drilling and Soil Sampling

Prior to performing fieldwork, a UFPO utility stakeout was requested to locate underground utilities. In addition, any additional drawings or knowledge of the location of underground utilities, both public and private, at the property was requested prior to the commencement of drilling. No additional information was available. A Stantec geologist was present to observe all on-site investigation activities.

One week prior to the commencement of the field program, the City had completed the demolition of the building, thereby allowing easier access to boring locations.

Geoprobe Drilling

On August 3 and 4, 2005, Stantec conducted a Geoprobe drilling and soil sampling program. Ms. Charlotte Theobald, DEC, was on site to observe the investigation activities. Drilling was focused on the two AOCs described in Section 2 (see Figure 2). The drilling program involved the completion of a total of twelve (12) Geoprobe soil borings in AOC 1 to investigate and delineate residual impacted soils associated with the paint booth and waste disposal area. A total of six (6) Geoprobe soil borings were completed in AOC 2 to identify and delineate impacted soils associated with the former auto maintenance operation. Soil borings were consecutively numbered using a B-200 series system to distinguish them from previously installed soil borings. The locations of the RI soil borings (and monitoring wells) are shown on Figure 3. The 2000-2002 DEC soil borings/monitoring wells are combined with RI borings and wells in Figure 4.

Soil sampling equipment was decontaminated between samples with a liquinox and potable water wash followed by a potable water rinse. Soil borings not scheduled for well installation were backfilled with grout up to the ground surface. Cuttings from the boreholes and decontamination water were contained and stored on site in secured 55-gallon drums for characterization, transportation and disposal. Wastes were picked up on September 13, 2005 for proper off-Site disposal. A copy of the waste disposal manifest is included in Appendix A.

Borings were drilled to depths ranging from 6.0 (refusal) to 16.0 ft. bgs. Target depths were based upon the depth to groundwater and soil conditions. Continuous soil samples were collected at each boring location. Samples were screened with a calibrated Mini-Rae 2000 photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp for the presence of volatile organic vapors. Soil samples were also visually evaluated for indications of staining, oils, fill, etc. A summary of PID headspace readings is provided in Table 1. Soil descriptions are presented on individual soil boring logs, which are included in Appendix B.

Soil impacts (i.e., elevated headspace readings greater than 10 ppm above background, staining and/or odors) were noted in borings B-205, B-211, B-214, and

B-217. Strong petroleum odors were noted in B-205 and B-214. The highest headspace reading (89.1 ppm) on site was observed in B-205 at 4-8 ft. bgs. Other impacts to this interval included black soil staining and a petroleum odor. Elevated headspace readings in borings B-214 and B-217 corresponded to intervals with a miscellaneous black fill. Miscellaneous fill material was noted in all borings except B-200, B-204, B-205 and B-209.

Soil Sampling

Based upon PID readings and/or other visual/olfactory evidence of impacts, one soil sample was selected from each of the borings for laboratory analysis. Soil samples from AOC 1 were analyzed for TCL VOCs plus TICs by method OLM 4.2. Soil samples from AOC 2 were analyzed for TCL VOCs plus TICs, TCL SVOCs plus TICs and TCL PCBs by EPA Method OLM 4.2 and TAL Metals by EPA Method ILM 5.1. In addition, one duplicate sample, one matrix spike/matrix spike duplicate (MS/MSD) and one rinse blank were submitted and analyzed for QA/QC purposes. All samples were submitted within 48 hours to Chemtech in Mountainside, New Jersey, for laboratory analysis. A summary of soil samples submitted for laboratory analysis is presented in Table 2. A discussion of soil analytical results is presented in Section 4.2.

3.2 *Monitoring Well Installations and Groundwater Sampling*

Six (6) monitoring wells were installed as part of the RI: four (4) in AOC 1 and two (2) in AOC 2. The wells were numbered (e.g., MW-200) corresponding to the B-200 boring numbers. RI well locations are shown on Figure 3.

Each groundwater monitoring well was constructed with 1-inch diameter, schedule-40 PVC and 10-ft., 0.010-inch slot well screens. Sand packs consisted of fine sand extending from the bottom of the wells and terminating 12 to 24 inches above the well screens. The sand packs were capped with bentonite seals and the remaining annulus was grouted to the surface. The wells were completed with flush-mounted protective casings. Well completion details are summarized in Table 3.

The newly installed 1-inch diameter groundwater monitoring wells were developed prior to purging and sampling using stainless steel bailers. A rinse blank using a decontaminated stainless steel bailer was collected for QA/QC purposes. Prior to development, the wells were allowed to equilibrate for at least 48-hours following installation. All development water was collected and stored on site in a 55-gallon drum. The wells were developed to reduce sediment and turbidity.

Groundwater Sampling

Three complete rounds of groundwater measurements, including LNAPL checks, were collected. The initial complete round was collected on August 16, 2005. A second complete round of water level measurements was collected on October 27, 2005. As requested by the DEC, a third complete round of groundwater elevation measurements was performed on May 23, 2006. In addition, a fourth partial round of water level measurements was conducted on November 4, 2005, from the newly installed monitoring wells. Water level measurements for all four rounds are presented in Table 4.

Prior to groundwater sampling, monitoring wells were purged utilizing disposable bailers. General water quality field parameters (i.e. turbidity, pH, specific conductance, temperature, and oxidation-reduction potential) were monitored during purging. A summary of field parameter data is provided in Table 5.

Groundwater sampling was conducted in two rounds. The initial round was conducted on August 9, 2005. The second round was conducted on November 4, 2005. For the initial round of groundwater sampling a total of sixteen (16) groundwater samples plus QA/QC samples were collected and submitted to Chemtech for analysis: eleven (11) samples from AOC 1 and five (5) samples from AOC 2. Samples from AOC 1 were collected from new and existing monitoring wells and analyzed for TCL VOCs plus TICs only by EPA Method OLM 4.2. Samples from AOC 2 were collected from new and existing monitoring wells, and analyzed for TCL VOCs plus TICs, TCL SVOCs plus TICs and TCL PCBs by EPA Method OLM 4.2, and TAL metals by EPA Method ILM 4.1.

Stantec observed LNAPL in MW-101 and attempted to collect a discrete LNAPL sample with a disposable polyethylene bailer. Although LNAPL was historically reported in MW-116, no LNAPL was detected in MW-116 during the RI. A groundwater sample summary is presented in Table 6.

A second round of groundwater sampling was conducted on November 4, 2005. For the second round of groundwater sampling, the six new wells in AOC 1 and AOC 2 were sampled for TCL VOCs by EPA Method 8260 plus QA/QC samples. In addition, due to high turbidities during sampling in August, two wells from AOC 2 were re-sampled for analysis of TAL metals by EPA Method ILM 5.1 plus QA/QC samples using low-stress methods and a flow thru cell to attempt to reduce the potential impacts from suspended sediments. The groundwater sample summary is presented in Table 6. Groundwater analytical results are discussed in Section 4.3.

3.3 Well Elevation Survey

On August 9, 2005, a licensed land surveying crew from Stantec completed a survey of each well location. Each well was surveyed relative to the NGVD '88 coordinate system for vertical control and the NAD '83 UTM Zone 18 coordinate system for horizontal control. Well elevations and coordinates are presented with well details in Table 3.

3.4 Soil Vapor Sampling

A building walkthrough of 395 Gregory Street (formerly known as Weider's Hall) was conducted on August 24, 2005, with representatives of the DEC, the City of Rochester and Monroe County Department of Health (MCDOH). Mr. John Trickey, owner of 395 Gregory Street, provided access to areas of interest within the building. Prior to the walk-through, Stantec had contacted Mr. Trickey for a copy of any available drawings, plans or records for 395 Gregory Street. However, no such documents were available. The Indoor Air Quality Questionnaire and Building Inventory Form from the NYSDOH's Draft Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated February 2005 (Draft Guidance) was completed with the assistance of Mr. Trickey. This form is presented in Appendix C.

The 395 Gregory Street building is a circa 1885 four-story brick construction with an old, former steam boiler in the southeast corner of the basement. The boiler is no longer in use but is still vented to the chimney. Ductwork to the interior space was dismantled. The former boiler, a sump (dry) and two above ground fuel oil tanks (empty) are located in the southeast corner of the basement. There is one walkout door leading from this area of the basement to the parking lot behind the south side of the building. The floor in this area is approximately three feet lower than the main basement.

The entire basement has a poured concrete floor with no observed construction joints, however poor floor integrity was observed in places. The northwest area of the basement was locked and serves as document storage for the credit union on the first floor. Approximately half of the basement is empty. There are two stairwells that both lead to the first floor; one at the front (north side) of the basement and one at the rear (south side). A new (1 yr. old) central ducted HVAC system is present. Seams in the ducts were taped and generally well sealed. Miscellaneous cans of paint and stain used during recent renovations were located near the rear stairwell. No other chemical products were found. PID readings were collected using a RAE parts-per-billion surveyor. No measurements above background were noted.

Basement walls at 395 Gregory Street are constructed of stone. No elevator shafts are present. Natural gas service enters at the north end of the basement; sanitary sewer exits the basement in the rear. Infiltration of outside air into the basement from around the basement door, penetrations in the foundation (i.e., air conditioning piping), poor floor integrity, and the old boiler and chimney were noted to be significant. Smoke tubes were used to document air patterns. No PID readings above background were noted.

Sub-Slab Soil Vapor Sampling –August 2005

One (1) hole was drilled through the floor on August 24, 2005, adjacent to the former boiler and sump in the southeast corner of the basement, within several feet of the door, which leads to the parking lot. As stated previously, the floor in this area is approximately three feet lower than the main basement and is in a corner of the building that is closest to the documented contaminants at 399 Gregory Street. The location of the hole in the floor was selected in consultation with the DEC and MCDOH agency representatives.

The concrete floor was approximately 5 inches thick. Following penetration of the floor, the hole was drilled to a total depth of approximately 13 inches. A stainless steel wire screen sampling implant with ¼-inch Teflon tubing was installed and backfilled with glass beads. A surface seal was completed with non-shrinking hydraulic cement. The tubing was then plugged and allowed to equilibrate.

Sub-slab soil vapor, outdoor air quality and indoor air quality sampling was performed by Stantec at 395 Gregory Street on Tuesday August 30, 2005. Mr. Joe Albert (MCDOH), Ms. Charlotte Theobald (NYSDEC) and Mr. Mark Gregor (City) were present at the time of sampling. Prior to sampling, helium tracer gas was introduced into an inverted bucket placed above the sub-slab tubing. Helium was monitored during purging with an Ion Science Gascheck 3000. Helium was not detected in the purged vapor from the sub-slab implant.

Sub-slab vapor sample GR-SG1-A was collected from the point installed under the basement slab. Indoor air sample GR-BA1-A was collected in the basement adjacent to the sub-slab point. Indoor air sample GR-BA2-A was collected in the first floor office directly above the sub-slab point. Background (outdoor) air sample GR-BK1-A was collected from the area inside the fence at 399 Gregory, approximately 25 ft. southeast from the sub-slab point. All samples were collected over a period of approximately two hours and monitored with in-line gauges.

All summa canister samples were submitted to Columbia Analytical Services (CAS) in Simi Valley. Analysis was performed by United States Environmental Protection Agency (EPA) Method TO-15 for the full TO-15 VOC Target Compound List. Air results are discussed in Section 4.4.

Sub-Slab Soil Vapor Sampling –December 2005

A second round of indoor air sampling was conducted by Stantec on December 20, 2005. Sampling was observed by Ms. Theobald (DEC). Access to the basement was provided by Mr. Trickey. Access to the first floor was granted by Mr. Carl Norcross, Vice President of Genesee Co-Op Federal Union.

Helium tracer gas was used to successfully verify the integrity of the sub-slab tubing seal. Sampling was subsequently initiated to collect sub-slab, basement, first floor and background (outdoor) air sample in the same locations previously tested. At approximately 30 minutes into the test, water was observed in the tubing for the sub-slab sample. Ms. Theobald contacted Ms. Tamara Girard (NYSDOH-Troy) and Stantec was instructed to abort the sub-slab sample but continue to collect the two indoor, and one outdoor air samples. All four samples were forwarded to the lab along with an annotation on the chain of custody requesting a determination as to whether there was sufficient sample volume to analyze the sub-slab sample.

In addition to water observed in the tubing, water was also present in the nearby sump. This sump was dry during the first round of sampling in August. Upon entering the basement, the sump pump was found lying on its side and running continuously. Water in the sump appeared to contain raw sewage. The discharge piping in the sump is connected to a 4-inch sewer pipe attached to an overhead floor joist. The floor was not wet and therefore it was presumed that the water in the sump may have entered the sump by way of a malfunctioning check valve on the sewer discharge pipe. It is believed this condition may have contributed to the water beneath the floor. The owner, Mr. Trickey, was made aware of these observations.

All summa canister samples were submitted to CAS-Simi Valley. Analysis was performed by EPA Method TO-15 for the full TO-15 VOC Target Compound List. Air results are discussed in Section 4.4.

3.5 Test Pit Investigation

A backhoe was used on August 1, 2005 to excavate debris that had accumulated in a former pit (adjacent to MW-114). The purpose of the test pit program was to inspect the bottom of the pit for potential residual liquids as previously reported (see Figure 2).

The removal of the debris was coordinated with the City and the disposal of the demolition debris from the building.

The backhoe that was on site for building demolition was used for investigation of the former pit. Mr. Mark Gregor, City, and Ms. Charlotte Theobald, NYSDEC, were present. A metal cover/plate was removed from the square opening to the pit, located on the east side of AOC 1. The pit was filled with large pieces of broken concrete. Due to limited access available to the backhoe, removing the concrete was not feasible. To further investigate this structure, the opening would need to be enlarged and therefore disturb the integrity of the concrete pad. It was determined that this structure would need to be further investigated at the time of remedial construction.

4.0 RESULTS

4.1 Hydrogeology

Soils on the subject property are mapped in the Monroe County Soil Survey as Urban Land, which are areas that have been so altered or obscured by public works that identification of the soils is not feasible. These areas are commonly located in the older areas of the City.

Based on the penetrative investigations completed to date, the site geology consists of unconsolidated sandy silt glacial till deposits that overlie Silurian age dolomite bedrock assigned to the Lockport Group. A thin veneer (1-6 ft.) of compacted silty sand and gravel fill and/or miscellaneous fill and/or miscellaneous fill with brick, cinders, and concrete fragments overlies native surficial deposits. Miscellaneous fill thicknesses ranged from 0.0 to 6.4 ft. thick and averaged 2.5 ft. Based upon previous site investigations, the depth to bedrock within the area of the investigation ranges between 18.8 ft. and 19.1 ft. below ground surface. A stratigraphic summary of overburden units for the RI borings is presented in Table 7.

The site-specific hydrogeology can be conceptually modeled as a three-layered system consisting of an upper, water-bearing zone in a native silty fine sand; a dense intermediate, glacial till aquitard; and a moderately permeable fractured upper bedrock aquifer.

A water table contour plot for the area of the investigation is presented in Figure 5. This plot, which is based on water levels collected on August 16, 2005, indicates that groundwater flow occurs radially to the north, east, south and west from the area of MW-208 in AOC 1 and MW-217 near the trench drain in AOC2. The average depth to water (10.1 ft.) corresponds to the average depth to the top of the glacial till layer and may represent a perched condition. The highest groundwater elevation, 503.48 ft., was measured at MW-208. The lowest groundwater elevation, 501.62 ft., was measured in AOC 1 at MW-101 and this area appears to be acting as a groundwater sink. This depression may indicate a link between the overburden well and the upper bedrock zone. Water levels from August 2005 represent seasonal low water table conditions.

A second round of water levels was collected on October 27, 2005. Water levels in October 2005 (a seasonal high) were approximately 2.1 ft. higher than water levels recorded in August 2005 (a seasonal low). The higher water levels recorded in October 2005 were cited in a request to DEC to conduct the third round of groundwater sampling in November 2005. That request was approved by DEC along with the requirement for collection of a fourth round of water level measurements in spring 2006. The November 4, 2005 groundwater measurements are presented on Figure 6 and depict a south-southwesterly groundwater flow direction. The data collected on May 23, 2006 were on average only 0.02 ft. higher in the overburden wells, and 0.1 ft. lower in the bedrock wells, versus the water table conditions observed in October 2005.

4.2 *Analytical Soil Results*

The following summaries present RI and historical data that exceed DEC Recommended Soil Cleanup Objectives (RSCOs) and Groundwater Standards and Guidance Values (GSGVs) as set forth in DEC's Standards, Criteria and Guidance (SCGs) including:

- The January 24, 1994 Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Environmental Remediation, Technical and Administrative Guidance Memorandum, HNR94-4046, revised July 2001 (TAGM 4046);
- The October 22, 1993 Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series, reissued June 1998, April 2000 Addendum (TOGS 1.1.1); and
- 6NYCRR Part 703 Surface Water and Groundwater Quality Standards and Effluent Standards (Amended August 1999).

Complete VOC, SVOC, TAL Metal and PCB analytical results from soil samples collected for the 2005 RI are summarized in Tables 8, 9, 10 and 11. Historical summaries of detected soil concentrations for both the 2000-2005 DEC Investigation and the 2005 RI are presented in Tables 12, 13 and 14. The historical summaries respectively include detected concentrations of VOCs, SVOCs and TAL Metals in soils, only. Copies of the 2005 RI laboratory analytical reports are presented in Appendix D. Results from the 1991 and 1995 investigations are presented in the historical summary tables in Appendix E.

TCL Volatile Organic Compounds

As shown in Table 8, generally low concentrations of target VOCs were detected in 6 of 12 samples from AOC 1 (4-16 ft. bgs) and 5 of 6 samples from AOC 2 (0-4 and 8-12 ft. bgs). In addition, TICs were reported in 4 of 12 samples from AOC 1 and 5 of 6 samples from AOC 2. With the exception of the concentration of acetone reported in the duplicate sample from B-214 (0-4 ft. bgs) located in AOC 2, adjacent to the trench drain, all other VOC concentrations including TICs were reported to be below RSCOs during the 2005 RI.

As presented in the ABB Environmental Services August 1995 Preliminary Site Assessment Report (Appendix E), during the prior investigations performed during the 1990s, ethylbenzene (59,000 µg/kg), toluene (230,000 µg/kg), trichloroethene (1,800 µg/kg), and xylene (310,000 µg/kg) were reported above their RSCOs in MW-101 (AOC 1). Toluene (15,000 µg/kg) and xylene (13,000 µg/kg) were reported above their respective RSCOs in BS-108 (AOC 1). Total TICS (10,460 µg/kg) were reported slightly above the RSCO in B-1 (AOC 1). In addition, as noted in Section 2.2, trichloroethene was detected at 1,800 ug/kg in one soil sample during a 1994 sampling event from the waste paint disposal area and methylene chloride was detected at 3.56 mg/kg during a 1991 sampling event of the accumulated liquid from the in-ground hydraulic lift pit in the "eastern garage section".

No trichloroethene or methylene chloride was detected in soils from AOC 1 or AOC 2 during the RI. Therefore, the previously reported presence of these two VOCs in individual samples does not appear to be a widespread soil contamination concern.

Based upon the low level VOC results reported during the 2005 RI soil sampling around AOC 1, the lateral extent of soil contamination in the vicinity of the paint booth and waste paint disposal area (beneath the former building and on the south and west sides of the former building, including portions of the parking lot at 395 Gregory Street) that will require remedial measures (Remedial Area of Concern 1 [RAOC 1]) has been sufficiently defined (Figure 8).

The reported presence of acetone in the B-214 soil sample, when combined with the nuisance petroleum odors previously discussed, and the metals discussed below, combine to suggest the need to define this as Remedial Area of Concern 2 (RAOC 2).

TCL Semi-Volatile Organic Compounds

As shown in Table 9, generally low concentrations of target SVOCs were detected in four of the six samples from AOC 2. TICs were also reported at low concentrations in each of the 6 samples. As shown in Table 9, benzo(a)pyrene, a polycyclic aromatic hydrocarbon (PAH), was the only SVOC reported above its RSCO (61 µg/kg) during the 2005 RI in the shallow fill material (0-4 feet) in GR-B213-S, GR-B214-S (and its duplicate sample GR-XX-S-DUP), GR-B216-S and GR-B217-S. The reported concentrations ranged from 64-170 µg/kg.

The reported concentrations of benzo(a)pyrene, while above the RSCO, is common in urban fill as a result of the abundance of ash and cinders which are the byproducts of the combustion of organic fuels (e.g., coal). During prior investigations, surficial soil samples (SS-106 through SS-110) were reported to contain concentrations of up to four PAHs at concentrations above RSCOs (see Appendix E). Background sampling performed elsewhere in the City of Rochester within urban right-of-ways has yielded comparable and higher concentrations. Another Brownfield project in the City, the Former APCO Property (with a proposed residential use), was not required to undergo excavation for comparable and higher total concentrations of benzo(a)pyrene and six other PAHs (5 mg/kg), as per the DEC Record of Decision (ROD). As an alternative to excavation and off-site disposal, development and implementation of an Environmental Management Plan combined with placement of an impervious cover, or one foot of clean soil, are typically used to address low level PAH impacts.

During prior investigations performed during the 1990s, 4-methylphenol and 2-methylphenol were reported in AOC 1 in MW-101 (6-8 feet) at concentrations of 0.93 mg/kg and 0.87 mg/kg compared to the RSCOs of 0.9 and 0.1 mg/kg, respectively. Butyl benzyl phthalate was previously reported in AOC 1 in BS-108 (8-10 feet) at 260 mg/kg compared to the RSCO of 50 mg/kg. Naphthalene was previously reported by DEC in AOC 1 in MW-116 (8-11 feet) at 17.4 mg/kg compared to the RCSD of 13 mg/kg. These prior SVOC findings fall within the area of previously reported elevated VOC concentrations in AOC 1 requiring remedial measures (RAOC 1).

TAL Metals

TAL metal concentrations from the RI soil sampling program are summarized in Table 10. Seven of the TAL metals (cadmium, copper, lead, magnesium, mercury, selenium and zinc) were reported in AOC 2 in one or more samples at concentrations that exceed both their respective RSCOs and their Eastern USA Background Ranges.

The presence of elevated metal concentrations in soils are generally found in association with the distribution of shallow miscellaneous fill across the site (see Section 4.1), however some elevated metals were reported in native soils at depths of 4-8 and 8-12 ft. bgs.

Four of the metals (cadmium, lead, mercury, and selenium) are included in the group of eight Resource and Conservation Recovery Act (RCRA) metals that are generally of greater concern for their toxicity.

Cadmium was reported at concentrations of 1.2 mg/kg, 7.3 mg/kg and 1.2 mg/kg in soil samples B-212 (8-12 ft. bgs), B-13 (0-4 ft. bgs) and B-215 (4-8 ft. bgs), respectively. The concentrations within B-212 and B-215 only slightly exceeded the RSCO of 1 mg/kg.

Copper was reported at concentrations of 87.5 mg/kg and 231 mg/kg (duplicate) in B-214 (0-4 ft. bgs), 905 mg/kg at B-216 (0-4 ft. bgs) and 99.9 mg/kg at B-217 (0-4 ft. bgs). Notable among these is the elevated concentration of 905 mg/kg in B-216 (0-4 ft. bgs).

Lead was reported at a concentration of 588 mg/kg at B-217 (0-4 ft. bgs).

Four of the six AOC 2 soil samples were reported with concentrations of magnesium (6,070 -12,900 mg/kg) above the Eastern USA background range. However, magnesium is a major constituent in glacial materials and bedrock in this region and is generally not a concern.

Mercury was reported in three samples with concentrations ranging from 0.316 to 0.787 mg/kg. The previously referenced Former APCO Property Brownfield site in the City of Rochester that was proposed for residential re-use was assigned a 1 mg/kg cleanup goal for mercury in the ROD issued by DEC,

Selenium was reported at greater depths at concentrations of 8.2 mg/kg in B-212 (8-12 ft. bgs) and 8.4 mg/kg in B-215 (4-8 ft. bgs).

Zinc was reported at concentrations above both the RSCO and Eastern USA background range (121 to 395 mg/kg) in four of the six samples.

Prior investigation locations have been reported with metals concentrations above their respective RSCOs and Eastern USA Background Ranges including aluminum, arsenic, beryllium, cadmium, calcium, copper, lead, magnesium, mercury, nickel, selenium and zinc. A number of the metals identified at the Site during the various investigations, including aluminum, calcium, copper, magnesium, nickel and zinc are relatively common in regional urban fill and soils, generally have low toxicity levels and typically are not site contamination concerns. However, elevated concentrations of the other metals (arsenic, beryllium, cadmium, lead, mercury and selenium) are typically considered to be associated with man-made impacts, and generally have greater site contamination concerns.

During the prior DEC investigation, the soil at MW-105 (6-8 ft. bgs) was reported to contain concentrations of metals with potential site contamination concerns including arsenic, beryllium, cadmium, and selenium above RSCOs. Additionally, concentrations of arsenic, cadmium, mercury, and/or selenium were reported above RSCOs in MW-108, MW-110 (off-site on 10 Cayuga Street), MW-112 and MW-115 (10 Cayuga Street) at depths of 6-8, 8-10, or 12-14 ft. bgs.

Similar to PAHs, when metals are present at slightly elevated levels in shallow soil at commercial sites, development and implementation of an Environmental Management Plan is typically implemented. This can include excavation and off-site disposal of more affected soils and placement of an impervious layer or a one foot thick clean soil cover to minimize potential direct exposure pathways for less impacted soils.

In order to further evaluate the metals in soil data, the 2005 RI and DEC 2000-2002 data were subjected to statistical analysis involving determination of the standard deviation. As presented in Table 27, soil samples that exceed RSCOs, Eastern USA Background Ranges, and both one and two standard deviations from mean concentrations are highlighted. The locations exhibiting metals in soil concentrations that are not within two standard deviations from the mean (two standard deviations from mean soil concentrations) include six locations: MW-105, MW-107, MW-110, B-213, B-216 and B-217. Included in these samples are the following metals: arsenic (MW-105), beryllium (MW-105), cadmium (B-213), calcium (MW-105), copper (B-216), lead (B-217), magnesium (MW-107 and MW-110), nickel (MW-105), selenium (MW-105) and zinc (B-216).

Given the elevated metals concentrations in the shallow soils (0-4 ft. bgs.) in AOC 2, including B-213 (cadmium), B-216 (copper and zinc) and B-217 (lead), combined with the previously discussed acetone and nuisance odors, these portions of AOC 2 are recommended for remedial measures (RAOC 2).

Given the following metals (arsenic, beryllium, nickel and selenium) that have been identified in the MW-105 soils that are not within two standard deviations of their mean concentrations, MW-105 has been identified as Remedial Area of Concern 3.

MW-107 (magnesium) is located beneath the parking lot on the west side of the Site and is not considered to warrant further investigation or remediation due to the low toxicity of magnesium and its common occurrence in native soils and fill.

The findings in MW-110 (magnesium and mercury) are located at depth (8-10 ft.) and off-site on the east side of the 10 Cayuga Street parcel presently owned by Mr. John Trickey. As previously referenced for 394 Gregory Street, magnesium is a major constituent in glacial materials and bedrock within this region. The estimated mercury concentration of 6.37 mg/kg does not appear to be connected to the 399 Gregory Street parcel since no similar levels of contamination have been reported on the site. As a result, no further work is recommended at this time for MW 110.

When the 2002 DEC metals in groundwater data are reviewed in Section 4.3, the metals of concern generally were not reported above groundwater standards. During the 2005 RI, elevated turbidity levels during the initial round of groundwater sampling were believed to have caused total metals concentrations which exceeded groundwater standards for several metals of concern, including arsenic in MW-106 (25.6 ug/l), lead in all six wells (31.7 – 70.0 ug/l) and selenium in MW-217 (31.9 ug/l). However, resampling two of these wells (MW-216 and MW-217) using low flow

sampling techniques reduced the turbidity levels and none of the metals of concern were reported above groundwater standards in either well. Therefore, the metals of concern in soils do not appear to be creating a groundwater contamination concern.

TCL PCBs

PCB concentrations from the 2005 RI are summarized in Table 11. PCBs were not reported at concentrations above their respective detection limits. Consequently, PCBs in soil do not present a site contamination concern that warrants further investigation or remedial measures.

4.3 Analytical Groundwater Results

Complete VOC, SVOC, TAL Metal and PCB analytical results for the groundwater samples collected during the 2005 RI are summarized in Tables 15, 16, 17 and 18. A copy of the laboratory analytical reports is presented in Appendix D. Historical summaries of detected groundwater concentrations for both the 2000-2002 DEC Investigation and the 2005 RI are presented in Tables 19, 20 and 21. The historical summaries respectively include detected concentrations of VOCs, SVOCs and TAL Metals in groundwater only. Results from the 1991 and 1995 investigations are presented in the historical summary tables included in Appendix E.

TCL Volatile Organic Compounds

As shown in Table 15, four of the 22 groundwater samples, and the one partial LNAPL/groundwater sample, collected during the RI were reported to contain low-level concentrations of TCL VOCs.

VOCs were reported above GSGVs in AOC 1 in two adjacent locations (MW-101 and MW-116) during the 2005 RI. Benzene, ethylbenzene, m,p-xylenes and o-xylene were reported in MW-101 at concentrations of 3.7, 6.2, 60 and 50 ug/l, respectively, versus Groundwater Standards of 1.0 ug/l for benzene and 5.0 ug/l for the other analytes. Methylene chloride, benzene and m,p-xylenes were reported in a partial LNAPL sample collected from MW-101 at concentrations of 8.0, 3.5 and 16 ug/l versus their respective groundwater standards of 5, 1 and 5 ug/l.

Benzene, m,p-xylene and isopropylbenzene were reported in MW-116 during the RI at concentrations of 2.1, 190 and 22 ug/l versus their respective groundwater standards of 1, 5, and 5 ug/l.

Concentrations of 12.2 ug/l and 989 ug/l total volatile organic TICs were reported in MW-101 and MW-116, although a groundwater standard has not been promulgated for TICs.

As shown in Table 19, during the prior DEC sampling events, VOCs were reported at much higher concentrations in both MW-101 and MW-116. In addition, VOCs were reported above GSGVs in MW-106, MW-108, MW-109, and MW–111 during the prior DEC sampling events. However, VOCs in each of these four wells were non-detect during the August 2005 sampling event. Given the non-detect levels, and in accordance with the work plan, these previously installed wells were not re-sampled in November 2005.

Low level VOC concentrations were also reported during the DEC investigation in one bedrock well, MW-BR1. However this well was not resampled during the RI as these low-level bedrock groundwater impacts were not identified as a significant concern at the conclusion of the prior investigation.

As previously noted, Stantec attempted to collect a discrete LNAPL sample from a thin LNAPL layer present in MW-101. Due to the thin layer, a combination of water and LNAPL were collected. During the prior investigations a LNAPL layer was reported in MW-116. No LNAPL was detected in MW-116 or any other boring or well during the RI. Based upon these limited LNAPL findings, the presence of LNAPL appears to be a localized condition.

TCL Semi-Volatile Organic Compounds

As shown in Table 16, three target SVOCs were reported in groundwater during the RI. However, none of these compounds were reported at concentrations exceeding their respective GSGVs. In addition, total SVOC TICs were reported in each of the six groundwater samples at concentrations ranging from 20-220.05 ug/l. However, no GSGV has been established for SVOC TICs.

As shown in Table 20, three SVOCs were reported above their respective GSGVs in MW-101(AOC 1) during a previous DEC sampling event. MW-101 was not re-sampled for SVOCs during the RI.

TAL Metals

As shown in Table 17, a total of seven TAL metals were reported above GSGVs during the August 2005 RI sampling event.

Arsenic, iron, lead, magnesium, manganese, selenium, and sodium were reported above GSGVs in one or more wells at the site. The August 2005 samples had elevated turbidity levels (>200 NTUs), which were suspected to have contributed to some of the elevated metals concentrations.

As shown in Table 17, two wells, MW-216 and MW-217, were resampled for TAL metals using low flow methods to attain lower turbidities (<50 NTUs) during the November 2005 sampling event. All TAL metal concentrations in MW-216 were reported below GSGVs. In the sample from MW-217, concentrations of magnesium, manganese and sodium were still above their respective GSGVs. However, these elements are commonly elevated in groundwater in urban environments from both human impacts associated with application of road salt, and miscellaneous fill and native soils with elevated metals concentrations.

As shown in Table 21, during prior DEC sampling events, metals in groundwater were reported in monitoring wells across the site. However, only cadmium, iron, magnesium, manganese, and sodium were reported above GSGVs. As stated above, with the exception of cadmium, these elements are common in regional soils and as a result are often elevated in groundwater. Cadmium was reported by DEC above its GSGV at a concentration of 16 ug/L in only one bedrock well, MW-BR3, in March 2001. No further investigation of this finding was recommended by DEC. Given the City's ordinance that prohibits the use of drinking water wells, the presence of the reported metals in groundwater does not warrant further investigation or remedial measures.

TCL PCBs

As shown in Table 18, no PCBs were reported above their respective detection limits in the four groundwater samples submitted for analysis. Therefore no further investigation or remedial measures are warranted for PCBs.

4.4 Air Results

Analytical results for two rounds of air samples collected during the 2005 RI are summarized in Tables 22, 23, 24 and 25. A copy of the laboratory analytical reports is presented in Appendix D.

As shown in Table 22, low levels of VOCs were reported in the sub-slab, indoor and background outdoor air samples collected during the August 2005 sampling event from the adjacent 395 Gregory Street building. The August 2005 data have undergone data validation and were determined to be acceptable without change. In general, the concentrations of contaminants reported in the indoor air samples were greater than those reported in the sub-slab sample. These results suggest that recent building renovations are a potential source of the observed findings.

A second round of sampling was conducted during the heating season (December 2005) to further evaluate the initial round of data. The December data have undergone data validation and were determined to be acceptable within minor qualifications. The December concentrations are generally lower than the results from the August 2005 sampling event with three exceptions. Trichlorofluoromethane is present at trace levels but showed slight increases in all samples, including the background sample, when compared with the August data. This compound is used as a refrigerant, an aerosol propellant, and a foaming agent and is not considered to be a contaminant of concern at the Davidson Collision site as it has not been reported above detection limits in the soil and groundwater samples. In addition, benzene was reported at trace concentrations in the basement air sample and the outdoor background sample. These findings suggest that an external cause is the probable source of the basement benzene findings. M, p-xylenes were also reported at a low concentration in the outdoor background sample. Regardless of their sources, none of the detected compounds are present at concentrations, which exceed NYSDOH guidance values. As discussed in Section 3.4, a sub-slab sample was not collected in December due to the presence of water under the slab that was suspected to have resulted from a faulty sewer pipe.

Given the results from the August and December 2005 indoor air samples, there is no evidence to suggest there is a soil vapor intrusion issue at 395 Gregory Street that would be attributable to the Davidson Collision site.

4.5 Data Validation

Laboratory reports received from Chemtech for samples collected from soil borings, groundwater monitoring wells and from CAS-Simi Valley for indoor air samples were forwarded to Ms. Judy Harry, Data Validation Services, Inc. A Data Usability Summary Report (DUSR) for all samples is provided as Appendix F. Data qualifiers are presented in Table 26.

In summary, most of the sample analyte values/reporting limits are usable as reported, or with minor qualification as estimated ("J" qualifier) or edit to non-detection, due to typical processing or matrix effects. However, the results for thallium in five aqueous field samples and a field duplicate are not usable due to an apparent matrix effect, and most of the metals results are qualified as estimated in soil samples due to an apparent matrix effect.

5.0 QUALITATIVE ON AND OFF-SITE PUBLIC HEALTH EXPOSURE ASSESSMENT

5.1 Qualitative On-Site and Off-Site Human Health Exposure Assessment

5.1.1 Human Health Exposure Setting

5.1.1.1 Human Health Conceptual Site Model

The Human Health Conceptual Site Model (HHCSM) developed and relied upon for this assessment is provided in Figure 7. This model was prepared based on the current vacant land and the proposed commercial use of the Site and incorporates information on site characteristics and environmental conditions outlined in previous sections. The Human Health CSM is a graphical representation of the exposure pathways considered for this qualitative exposure assessment.

5.1.1.2 General Exposure Considerations

The Site is located in an area with commercial and residential uses. Gregory Street and residential structures are located adjacent to the north. Residential properties and a distribution facility are located adjacent to the east. Beyond the vacant parcel at 10 Cayuga Street, a residential house and associated garage are located adjacent to the south. Cayuga Street, residential properties and a combination four story commercial and residential building are located adjacent to the west.

The former concrete building slab and an asphalt parking lot cover more than 75% of the Site. A grass covered area covers the balance of the Site and the adjacent 10 Cayuga Street parcel. A gravel parking lot situated at the rear of the adjacent 395 Gregory Street is situated over a portion of the previously identified impacted AOC 1 area.

The primary human health concerns at the Site stem from an identified area of VOC and SVOC impacts in subsurface soil and/or groundwater centered around MW-101 and MW-116 in AOC 1. In addition, an individual VOC, petroleum odors and metals impacts in soil around the former vehicle maintenance area and trench drain were identified as concerns in AOC 2. Metals impacts in soil at MW-105 were identified as AOC 3. Lastly, site-wide soils, typical of urban fill, have slightly elevated concentrations of metals and PAHs.

5.1.1.3 Potential Receptors

Considering that commercial redevelopment activities at the Site are anticipated, remedial excavation work is anticipated on-site, and residential buildings are located near the Site, the *construction worker/trespasser*, *occupational worker* and *local resident* have been identified as the most appropriate potential human receptors.

Exposures to the construction worker may occur during remediation, construction and other activities that involve excavation at the Site or at its periphery (parking lot at 395 Gregory St.). Exposures to occupational workers

at future Site facilities could occur during normal facility operation due to potential vapor intrusion into buildings, by way of exposure to soil vapor and groundwater during remediation within a building, or during any excavation activity that may take place on or around the Site if remediation does not occur prior to Site redevelopment. Exposure to residents of nearby properties could potentially occur during excavation work at the Site through dispersion of particulates and volatilization of contaminants.

5.1.2 *Human Health Exposure Pathway Analysis*

The pathway analysis identifies possible exposure routes through which on-site and off-site receptors may come into contact with the contaminants of concern present on the Site. Based on the Human Health CSM (Figure 7) those exposure routes include:

- Inhalation of vapors released from volatile substances present in subsurface soils (potential future occupational worker and construction worker/trespasser, and local residents during construction);
- Ingestion and dermal contact of substances in subsurface soils (potential future occupational worker and construction worker/trespasser); and
- Ingestion, inhalation and dermal contact with substances present in groundwater (potential future occupational worker and construction worker/trespasser);

Because of the specific conditions encountered at and near the Site, the following pathways have been reviewed, but do not represent important pathways of exposure:

- Inhalation of substances contained in particulates from subsurface soils (all potential receptors) is unlikely due to implementation of the Community Air Monitoring Plan (CAMP) as well as the implementation of best engineering practices for the control of fugitive dust emissions from the Site.
- Direct exposure to contaminants via groundwater discharge to a surface water body is highly unlikely.
- Nearby residents utilize a public drinking water supply, hence there is no exposure pathway through ingestion or dermal contact of chemicals in groundwater. Analytical results from air samples at 395 Gregory Street indicate that volatilization of contaminants from groundwater into indoor air of nearby residences is unlikely.
- Exposure to contaminants via infiltration of groundwater and/or contaminants into utility conduits is considered unlikely due to defined limits of the groundwater plume.
- Surface soil VOC contamination has not been documented as a concern at the site.
- To date, air sampling in the 395 Gregory Street commercial/residential building has demonstrated that site specific contaminants are not present in indoor air and therefore there is no indication of exposure to local residents through soil vapor intrusion into adjacent residential buildings.
- Due to the presence of high fencing around the Site, transient access by trespassers and local populations during excavation and remediation work is considered unlikely.

- Exposure to contaminants in extracted groundwater, if any, during excavation is unlikely as this process will be closely monitored, readily shut down and engineered to prevent the occurrence of leaks or spills. Liquid effluent streams will be treated as per applicable emissions regulations prior to discharge to storm sewers or county sanitary/combined sewers.

5.1.3 Human Health Exposure Assessment Summary

Without remedial measures, the potential presence of a vapor inhalation exposure pathway for future occupational workers at a new commercial building at 399 Gregory Street would exist. Exposure pathways involving inhalation of contaminants suspended in air in soil particles or volatilized from subsurface soils and groundwater would be expected to be temporary and limited to periods of excavation/remediation work.

Direct on-site exposure by way of ingestion, inhalation or dermal contact with contaminated soils or groundwater will also be transient in nature and will be restricted to periods of excavation and remediation work. Remediation/mitigation of on-site contamination will address the issue of exposure due to future development plans and will allow use of the property in accordance with commercial zoning and institutional controls to the extent they may be required.

Source removal will address potential offsite exposure. Though current data do not indicate a complete exposure pathway associated with the migration of contaminants, conditions could change with time if contaminants migrate further.

5.2 Qualitative On-Site and Off-Site Fish and Wildlife Exposure Assessment

5.2.1 Fish & Wildlife Conceptual Site Model Exposure Setting

5.2.1.1 Fish and Wildlife Conceptual Site Model

The Fish and Wildlife Conceptual Site Model (F&WCSM) developed and relied upon for this assessment is provided in Figure 8. This model was prepared based on the current vacant land and proposed commercial use of the Site and incorporates information on Site characteristics and environmental conditions outlined in previous sections. The Ecological CSM is a graphical representation of the exposure pathways considered for this qualitative fish and wildlife exposure assessment.

5.2.1.2 General Exposure Considerations

As per the human health qualitative exposure assessment, the primary ecological concern at the Site stems from the identified VOC, SVOC and/or metals impacts in soil and/or groundwater centered around the former waste paint disposal area (RAOC 1), the former vehicle maintenance area (RAOC 2), and MW-105 (RAOC 3).

5.2.1.3 Receptor Characteristics

Since the site is located in urban environment, with no fisheries or wildlife habitat on the Site or in close proximity, there are no known sensitive ecological receptors that have been identified at the Site.

5.2.2 Exposure Pathway Analysis

The pathway analysis identifies the possible exposure routes through which on-site and off-site ecological receptors may come into contact with the contaminants of concern present on the Site. Based on the Fish and Wildlife CSM (Figure 8), those exposure routes include ingestion, inhalation or dermal contact with substances present in surface or subsurface soils.

Because of the specific conditions encountered at and near the Site, the following pathways have been reviewed, but do not represent important pathways of exposure:

- Sensitive ecological receptors have not been identified as being present at the Site itself. Hence, on-site exposure pathways to significant fish and wildlife resources are not considered in this assessment;
- Inhalation and contact by potential ecological receptors with suspended particles in air is not considered a significant risk unless subsurface soils are excavated and exposed to dispersion mechanisms. Mandatory measures will be adopted to control soil tracking, soil erosion and dispersion of dust during excavation and remediation work in order to protect potential ecological receptors that could be present in the vicinity of the Site at that time; and
- The potential discharge of treated water resulting from remediation efforts at the Site to the existing sanitary sewer system is not anticipated to have any effect on the possible presence of sensitive ecological receptors in the vicinity of the Site. A potential remediation project would not involve the construction or relocation of any storm sewer discharge locations. The City, DEC, and the Monroe County Department of Environmental Services will determine the disposal route and associated permits required for discharge of potential treated water generated by an anticipated remedial system, however it is recommended that any effluent be discharged to the Monroe County sanitary sewer to eliminate any potential contact with contaminants.

5.2.3 Fish & Wildlife Exposure Assessment Summary

No known sensitive ecological receptors are expected to use the Site. Source removal will best address the exposure potential via inhalation, direct contact or ingestion to any potential ecological receptors that may occupy the site or the area.

6.0 REMEDIAL GOALS AND REMEDIAL ACTION OBJECTIVES

6.1 Remedial Goals and Remedial Action Objectives

The remedial goals for this site are to mitigate all significant threats to public and the environment presented by the contaminants of concern through the proper application of scientific and engineering principles.

Contaminants of concern for each of the three RAOCs were previously discussed in Section 4. Consistent with the existing zoning for the site, and its anticipated commercial use, the remedial action objectives (RAOs) for the contaminants of concern at RAOCs 1-3 include:

Soil

- Prevent ingestion, inhalation, or contact with VOC impacted soils that exceed RSCOs in RAOC 1 and RAOC 2.
- Prevent ingestion, inhalation, or contact with metals impacted soils in RAOC2 and RAOC 3 that exceed site wide mean concentrations by greater than two standard deviations.
- Prevent exposure to residual contraventions of RSCOs using a combination of engineering and institutional controls.

Groundwater

- Prevent ingestion, inhalation, or contact with, and migration of, VOC impacted groundwater that exceeds GSGVs in RAOC 1.
- Prevent exposure to residual contraventions of GSGVs using a combination of engineering and institutional controls.

6.2 Preliminary Screening of Remediation Methods, Technologies & Approaches

A number of on-site remedial technologies and approaches were pre-screened on the basis of cost effectiveness, feasibility, and pertinence to the environmental conditions and remedial action objectives for the identified on-site areas of contamination.

Remedial methods, technologies and approaches considered in this pre-screening process were included on the basis of Stantec's past experience with remedial work involving similar site characteristics and contaminants, and on the basis of information obtained from the review of resources such as the "Federal Remediation Technologies Roundtable (FRTR) Cost and Performance Remediation Case Studies and Related Information" CD-ROM.

While proven technologies received prime consideration, innovative technologies were considered if there was reason to believe that such technologies could improve the performance of the remedial action or significantly reduce the need for a long-term site management plan. Several technologies can be combined to form a single remedial approach.

Remedial methods and technologies, on their own or in combination as a remedial approach, were pre-screened and eliminated from further consideration based on the following pre-screening criteria:

- Unlikely to address site issues and attain remedial action objectives;
- Incompatible with site contaminants;
- Clearly precluded by site conditions;
- Not fully demonstrated, unreliable, or have performed poorly; or
- Inappropriate based on engineering judgment.

The following table lists those methods, technologies and approaches that were excluded from the more detailed evaluation of alternatives based on the above criteria.

Discarded Method, Technology, or Approach	**Description/Justification**
Air Sparging and Soil Vapor Extraction	• Enhanced aerobic biodegradation using air sparging in groundwater combined with soil vapor extraction in the vadose zone • Not considered appropriate for the Site since most of the VOC contamination is in the soil instead of the groundwater.
Dual Phase Extraction	• Dual-Phase systems extract vapor and aqueous VOC streams separately using dedicated pumps. These systems are used when high groundwater recovery rates are expected. • Not considered appropriate since the Site has low groundwater recovery rates and most of the VOC contamination is in the soil versus the groundwater.
Enhanced Anaerobic Biodegradation	• The injection of whey, sodium lactate or chitin to the subsurface to enhance anaerobic reductive dechlorination. • Not considered applicable since the majority of VOC contamination is not chlorinated. • Not a viable solution for low permeability soils.
Horizontal Flow Barrier - Sheet Pile Wall or Slurry Trench combined with Iron Reactive flow gates	• Contaminated groundwater is funneled towards the reactive gate where the contaminants are treated by reacting with the iron filings • Insufficient contaminants in groundwater to justify the high capital cost of this approach. • Would need to be combined with another remedial method to address soil impacts.
In-Situ Conductive Heating	• The heating of unsaturated soils to 212 F to 500 F (followed by soil vapor extraction through heater/vacuum wells) is typically a treatment applicable only to the vadose zone. • Does not address groundwater impacts. Area to be treated must be dewatered in order to be effective. • High overall costs.

Discarded Method, Technology, or Approach	Description/Justification
In Situ Soil Flushing of Groundwater - Surfactant-Enhanced Aquifer Flushing	• Typically involves flooding the impacted subsurface area with a solution of surfactant, calcium chloride, isopropyl alcohol and water and then collecting and disposing of, or re-circulating the injected solution • High cost of $600/C.Y. as per demonstration projects makes this approach cost prohibitive.
Multi-phase Vacuum Extraction	• Suitable for sites with significant VOC impacted soil and groundwater that require a high vacuum to extract the contaminants (i.e., tight soils) and do not lend themselves well to other technologies due to access considerations. • High capital and operating costs are not appropriate given the low-level groundwater impacts and easy access to the impacted media.
Phytoremediation	• Involves use of plants to remove or breakdown contaminants from the soil and groundwater via their roots. • Proposed commercial redevelopment of site precludes applicability of this technology.
Soil Mixing	• Mechanical mixing of soil with large excavator or augers. • Lack of control over vapor emissions would be problematic given proximity to residences
Steam Enhanced Extraction (SEE)	• In Situ remediation method consisting of a combination of shallow soil vapor extraction, shallow steam injection and shallow groundwater extraction. • Only cost effective for large-scale sites (10^4-10^5 C.Y.).

7.0 EVALUATION OF REMEDIAL ALTERNATIVES

Three remediation alternatives were not excluded as a result of the preliminary screening. These alternatives have been evaluated in more detail based upon the screening criteria set forth in 6 NYCRR Part 375. Those three alternatives are:

Evaluated Method, Technology, or Approach	Description
A. No Action: Monitored Natural Attenuation (MNA)	VOCs are organic molecules that are capable of being degraded by natural processes over time. Natural attenuation appears to be occurring at this site as suggested by comparison of the most recent data with historic groundwater data. The no action alternative does not involve proactive remedial measures but instead relies on periodically monitoring the contamination to verify that natural attenuation is continuing to occur.
B. Excavation	This alternative includes the excavation and off-site disposal of impacted materials from all three RAOCs. One year of post-excavation groundwater monitoring would be conducted to evaluate the effectiveness of the removal program in addressing groundwater impacts.
C. Excavation with Enhanced MNA	This alternative includes all of the components of Alternative B, plus the direct application of a chemical additive to the open excavation that creates aerobic conditions and accelerates VOC degradation in groundwater. Enhanced MNA would only be applied to RAOC1 since it is the only area with significant VOC impacts in groundwater.

In accordance with Title 6 of the NYCRR part 375, both restricted and un-restricted use alternatives were evaluated in terms of the 9 criteria identified in Section 4.1(e) of Draft DER-10 (2002) and as described in Section 4.8 of the BCP Guidance (2004).

1) Protection of Human Health and the Environment: This criterion is an evaluation of the remedy's ability to protect public health and the environment, assessing how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, engineering controls or institutional controls. The remedy's ability to achieve the remedial action objectives (RAOs) is evaluated

2) Standards, Criteria, & Guidance (SCG): Compliance with SCGs addresses if a remedy will meet applicable environmental laws, regulations, standards, and guidance.

3) Short-term Effectiveness & Impacts: The potential short-term adverse impacts and risks of the remedy upon the community, the workers, and the environment during the construction and/or implementation are evaluated. A discussion of how the identified adverse impacts and health risks to the community or workers at the site will be controlled, and the effectiveness of the controls, is presented. Provides a discussion of engineering controls that will be used to mitigate short-term impacts (i.e. dust control measures).

4) Long-term Effectiveness & Permanence: This criterion evaluates the long-term effectiveness of the remedy after implementation. If wastes or treated residuals remain on-site after the selected remedy has been implemented, the following items are evaluated:

   a. The magnitude of the remaining risks (i.e. will there be any significant threats, exposure pathways, or risks to the community and environment from the remaining wastes or treated residuals?);

   b. The adequacy of the engineering and institutional controls intended to limit the risk;

   c. The reliability of these controls; and

   d. The ability of the remedy to continue to meet RAOs in the future.

5) Reduction of Toxicity, Mobility, or Volume: The remedy's ability to reduce the toxicity, mobility or volume of site contamination is evaluated. Preference should be given to remedies that permanently and significantly reduce the toxicity, mobility, or volume of the wastes at the site.

6) Implementability: The technical and administrative feasibility of implementing the remedy is evaluated. Technical feasibility includes the difficulties associated with the construction and the ability to monitor the effectiveness of the remedy. For administrative feasibility, the availability of the necessary personnel and material is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, etc. Includes the evaluation of the reliability and viability of implementation of the industrial or engineering controls necessary for a remedy.

7) Cost: Capital, operation, maintenance and monitoring costs are estimated for the remedy and presented on a present worth basis.

8) Community Acceptance: Provides a summary of the public participation program that was followed for the project as per section 1.10 of the DER-10. The public's comments, concerns and overall perception of the remedy are evaluated by the NYSDEC in a format that responds to all questions that are raised (i.e. responsiveness summary). NYSDEC is responsible for determining the community acceptance; therefore it has not been given a score in this evaluation.

9) Land Use: Evaluation of the reasonable anticipated future use of the site and its surroundings when unrestricted levels would not be achieved.

A score of 0 to 10 was assigned for each criterion, excluding community acceptance, for a total of 8 scores per alternative and a maximum total score of 80, whereby a greater sum of the scores represents a better alternative overall. Costs (see Table 28A-C) were assigned a score based on the relative performance of each alternative with respect to the lowest and highest estimate per criterion. All other criteria were qualitatively assessed for this evaluation and assigned a score that is independent of the score assigned to other alternatives. A matrix detailing the analysis of the three viable remedial alternatives is presented in Table 29.

The following sections briefly describe each of the selected remedial alternatives for the three RAOCs.

7.1 *Alternative A - No Action: MNA*

Alternative A is the no action alternative and includes monitored natural attenuation with an assumed duration of 30 years. Capital costs are relatively low since there is no equipment and no supplemental monitoring wells needed. However, this alternative is the most costly of the three alternatives that were analyzed, due to high costs related to the long term monitoring program (30 years) that could be required given the absence of proactive remedial measures. This alternative is also considered the least favorable since it does not robustly address the "protection of human health and the environment", "SCGs", "long-term effectiveness and permanence" and "reduction of toxicity, mobility or volume" criteria. This alternative also demonstrates poor remedial 'value' relative to its implementation cost since its cost exceeds that of an aggressive remedial program that is more likely to comply with regulatory agency requirements.

Alternative A - No Action: MNA	
Score	Costs
17%	**$618,684**

7.2 *Alternative B - Excavation*

RAOC 1: Former Paint Booth Area

RAOC 1 consists of excavation and off-site disposal of unacceptably impacted VOC and SVOC soils and wastes present in RAOC 1. For the purpose of this evaluation, it is assumed that excavation and removal would include the impacted soils both on-Site and extending onto the adjoining gravel parking lot on 395 Gregory Street shown on Figure 9 to an approximate depth of 11 ft. Based on preliminary estimates, approximately 425 cu. yds. of impacted soil would be excavated and disposed at an off-site permitted facility.

We have prepared two (2) scenarios for the excavation in RAOC 1. Scenario #1 assumes all the impacted soil can be disposed of as non-hazardous wastes at a solid waste management facility. Scenario #2 assumes the impacted soil in this area will need to be disposed of at a hazardous waste management facility. For the purposes of this AAR, Scenario #1 has been assumed.

The existing concrete slab in this area would need to be removed to access contaminated soils beneath it. The concrete slab is approximately 1-foot thick. In conjunction, the concrete that was observed in the RAOC 1 pit during the test pit program would be removed at the same time. If liquids were present at the bottom of the pit, they would be containerized, tested and properly disposed. Approximately 30 cu. yds of concrete would need to be removed and disposed at an off-site permitted facility.

Two (2) existing monitoring wells in this area would need to be properly decommissioned prior to excavation of the impacted soils. After completion of backfilling the excavation, it is anticipated that these two (2) monitoring wells would be replaced. One year of quarterly post-excavation groundwater monitoring would be conducted to evaluate the effectiveness of the remedial program in addressing VOCs in groundwater. Contingent on the results, additional groundwater monitoring may be conducted during a second year.

RAOC 2: Trench Drain Area

RAOC 2 consists of excavation and off-site disposal of unacceptably impacted soils and wastes present at RAOC 2. For the purpose of this evaluation, it is assumed that excavation and removal would include the impacted fill and/or soil to an average depth of 4 ft. (Figure 9). Soils beneath four feet are not likely to present human health concerns due to the types and levels of contaminants and the limited exposure pathways. Based on preliminary estimates approximately 285 cu. yds. of soil would be excavated and disposed at an off-site permitted facility.

The existing concrete slab in this area would need to be removed to access contaminated soils beneath it. The concrete slab is approximately 1-foot thick. Approximately 50 cu. yds. of concrete would need to be removed and disposed at an off-site permitted facility.

Three (3) existing monitoring wells in this area would need to be properly decommissioned prior to excavation of the impacted soils. We do not anticipate replacing these wells.

RAOC 3: MW-105 Area and Site Wide Soils

RAOC 3 consists of excavation and off-site disposal of unacceptably impacted soils and wastes present at RAOC 3. A design phase investigation would be required to refine the extent of contamination. For the purpose of this evaluation, it is assumed that excavation and removal would include the impacted site soils to an approximate depth of 8 ft. (see Figure 9). Based on preliminary estimates approximately 170 cu. yds. of soil may be excavated and disposed at an off-site permitted facility.

One (1) existing monitoring well in this area would need to be properly decommissioned prior to excavation of the impacted soils. We do not anticipate replacing this well.

Implementation of institutional and engineering controls including an Environmental Site Management Plan, an Environmental Easement and the City BIS flagging system would be recommended to deal with residual lower level metals and PAH impacted urban fill that is present and would remain elsewhere across the Site.

Alternative B - Excavation	
Score	Costs
60%	**$503,981**

7.3 *Alternative C - Excavation with Enhanced MNA*

Alternative C includes all of the components of Alternative B plus in-situ treatment of groundwater in RAOC 1 to further reduce VOC contaminant concentrations to groundwater standards and guidance levels or acceptable health-risk levels. In-situ treatment is proposed to could include bioremediation with an oxygen-releasing compound such as ORC^{Advanced}, manufactured by Regenesis or EHC-0^{TM}, which is a product manufactured by Adventus Americas. Both of these products promote in-situ bioremediation through stimulation of aerobic biodegradation of groundwater contaminants through controlled release oxygen delivery and accelerate the rate of natural attenuation. The proposed application would occur in the open excavation prior to backfilling.

ORC^{Advanced} is an improved product from Regenesis that is designed to release its full amount of oxygen (17% by weight) over a 12 month period. EHC-0^{TM} is a product manufactured by Adventus Americas. The EHC-0^{TM} Bioremediation technology is $Ca0_2$ based with trace nutrients added to further support microbial activity, and a pH buffering agent to prevent self-encapsulation and a shorter period of effectiveness, which can occur with other products.

It is envisioned that the in-situ groundwater treatment system would consist of the direct application of the bioremediation agent to the open excavation following removal of impacted soils. One year of quarterly groundwater monitoring would be conducted to evaluate the effectiveness of this remedial alternative. Contingent on the results, additional groundwater monitoring may be conducted during a second year.

Alternative C: Excavation with Enhanced MNA	
Score	Costs
64%	**$510,663**

8.0 CONCLUSION: RECOMMENDED REMEDY

We have identified three (3) RAOCs with contaminants of concern that are believed to warrant remedial measures. Based on the limited impacted areas, the contaminants of concerns, and the affected media, our recommended overall remedial approach is Alternative C, which includes the following:

- Conducting a Design Phase Investigation (DPI) to delineate metals impacted soils around MW-105 (RAOC 3);
- Excavation and off-site disposal of impacted soils in RAOCs 1, 2 and 3;
- Application of an in-situ, bio-augmentation additive to the open RAOC 1 excavation to promote enhanced natural attenuation of VOC impacted groundwater;
- Conducting one year of post excavation groundwater monitoring for VOCs in RAOC 1 and, contingent on the results, additional groundwater monitoring may be conducted during a second year;
- Preparation of an environmental site management plan for future site use and re-development; and
- Implementation of a NYSDEC Environmental Easement and incorporating the site into the City BIS flagging system to ensure residual impacts are properly managed in the future, as necessary.

The recommended remediation of impacted soils includes excavation and off-site disposal of impacted source soils from three (3) separate RAOCs including the Former Paint Booth Area, Former Vehicle Maintenance/Trench Drain Area and MW-105 Area. The Paint Booth Area and Trench Drain area are located within RAOC1 and RAOC2 previously identified by the NYSDEC. MW-105 is identified as RAOC 3.

The proposed areas of excavation are presented on Figure 9. These proposed limits are based on a combination of PID headspace readings and laboratory results. The new Part 375 soil cleanup criteria will be used to determine the limits of excavation, in conjunction with PID field screening. Initially, a PID reading of 5 ppm will be used. However, based on lab data from initial confirmatory soil samples, adjustments to the PID field screening criteria upward from 5 ppm would be requested, as supported by laboratory results.

One year of post-excavation groundwater monitoring would be conducted to evaluate the effectiveness of the remedial program in addressing VOCs in groundwater. The results will be reviewed with the DEC to determine if a second year of groundwater monitoring may be needed.

Site wide soils with TAL metals which exceed RSCOs and eastern USA background ranges but generally do not present contamination concerns due to their low toxicity values (aluminum, calcium, copper and magnesium, nickel and zinc) are generally not recommended for remediation. Similarly, site wide groundwater, which has exhibited elevated concentrations of iron, magnesium, manganese and sodium above GSGVs are not recommended for remediation due to their low toxicity levels and the absence of use of the groundwater for drinking water purposes. To the extent necessary, institutional controls including an Environmental Easement with the NYSDEC, a site-specific Environmental Management Plan, and incorporation of the site into the City BIS flagging system are recommended to address potential long-term exposure, as necessary.

The proposed excavation of the impacted soils within the three RAOCs and treatment of residual VOC contamination in RAOC 1 with ORC will adequately protect human health and the environment. The recommended remedies should allow SCGs to be achieved for the most significant contaminants of concern. Given the immediate improvements that will be realized by excavation, the recommended remedy will yield short-term effectiveness. Minimal short-term impacts will occur during implementation due to construction noise typical of construction. Potential generation of dust will be minimized during construction with engineering controls.

The recommended remedy will be permanent and will have long-term effectiveness due to the removal of the source material. Potential residual VOCs in groundwater are expected to be reduced below GSGVs over time given the combination of source removal and the proposed addition of an bioremediation additive.

Through excavation, the potential mobility and volume of contaminants will be reduced. The toxicity of the excavated materials is not expected to be significantly changed. However, since the source material will be placed in a secure landfill, the potential for any toxic materials to affect human health or the environment will be reduced.

Given the absence of structures in the immediate vicinity of the three RAOCs, removal of the source materials will be readily implemented.

A portion of the costs associated with implementation of the recommended remedy is expected to be obtained through an EPA Brownfields Remediation Grant. The recommended remedial actions are considered to be more cost effective than the no action alternative which will not achieve remedial goals. Although it is slightly more expensive than Alternative B, Alternative C includes conducting in-situ remedial measures that will help to ensure the remedial measures are successful in addressing residual groundwater impacts.

As discussed at a prior Citizens Participation meeting, neighbors are anxious to see this Site cleaned up and returned to productive use as soon as practical. As a result, it is anticipated the recommended remedy will be readily accepted by the community, given the relatively short timetable for implementation and limited construction impacts. However, community acceptance will be determined by the NYSDEC.

Given the lack of use of the property for a number of years, the current land use will be unaffected by the recommended remedy. Following completion of the remedial measures, it is anticipated the property will be able to be reused to its full potential consistent with zoning regulations. Any potential limitations associated with residual metals or other potential low level contaminants, as defined in an Environmental Easement and the City's BIS flagging program, are not expected to adversely affect future land use.

Based on the preceding analysis, Stantec recommends remedial alternative C, excavation with enhanced MNA, for implementation at the Site. The recommended approach will remove the source of VOC impacts, and the most significant metals contaminants in soil, and treat VOC impacted groundwater to the extent feasible. Our analysis indicates this alternative to be the most effective and reliable solution for remediation of this Site.

FIGURES



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PROJECT MANAGER
M. STORONSKY

DRAWN BY
M. CONLEY, EIT

SCALE
1"=2000'

FIRST ISSUE DATE
FEB. 06

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PROJECT
REMEDIAL INVESTIGATION
399 GREGORY STREET
ROCHESTER, NEW YORK

TITLE OF DRAWING
SITE LOCATION MAP

PROJECT NO.
190500196

DRAWING NO.
FIG. 1

U: \190500196\DRAWING\REMEDIAL REPORT FIGURES\FIG 1.DWG

Plotting Parameters
Plotted By: dess
Drawing Name: I:\buf\2005\05019A\drawings\Remedial Report Figures\FIG 2 - AREA OF CONCERN LOCATION MAP.dwg
Plotted: Jan 07, 2008 - 4:03pm
Profile: Land Desktop
Plot Style: CONCERN LOCATION MAP.ctb
Node: LESSA

REFERENCE:

1. BASEMAP TAKEN FROM DRAWING ENTITLED "SURVEY MAP" BY LU ENGINEERS DATED: 4/16/01.

N/F
PENACHIO VAZQUEZ
TAX 121.65-1-54

N/F
MARC HOSMER & PUP CO.
TAX 121.65-1-6.001

BLOCK BUILDING

FRAME BUILDING

3-8" ASH TREES

MW-115

MW-BR-2

SS-109

TA# 121.65-1-53
(399 GREGORY STREET)

MW-103

SS-110

AOC 2

MW-104

BLOCK AND FRAME BUILDING

LIFT PIT

GRASS AREA

SS-108

ASPHALT PARKING LOT

MW-107

MW-106

MW-111

TRENCH DRAIN

GAS METER

2'X2' CB
RIM ELEV. 513.52'
FULL OF DEBRIS

FORMERLY
DAVIDSON'S COLLISION

AOC 1

MW-BR-3

MW-112

MW-114

PIT

MW-105

GRASS AREA

FLOOR DRAIN

SS-107

MW-BR-1

"PAINT BOOTH"

BS-108

MW-110

N/F
MICHAEL WEIDNER
TAX 121.65-1-55

MW-101

MW-108

B-1 MW-116

BRICK BUILDING

SS-106

MW-109

MW-113

GATE

42" MAPLE

8" MAPLE

R.O.W.

GREGORY STREET
(66' WIDE R.O.W.)

CAYUGA STREET
(60' WIDE R.O.W.)

RCS-10
JCL-1
SITE B.M.
ELEV. 513.53'

LEGEND

- SITE BOUNDARY
- CHAINLINK FENCE
- SS-107 SOIL SAMPLE (DEC 2001)
- MW-110 MONITORING WELL (DEC 2001)
- BS-108 MONITORING WELL PSA REPORT (AUG. 1995)
- B-1 BS-108 HISTORICAL BORING
- UTILITY POLE
- GUY WIRE
- PROPERTY LINES
- WATER SERVICE SHUT OFF
- AOC 2 AREA OF CONCERN (AOC)

0 30 60 90
SCALE IN FEET

6				
5				
4				
3				
2				
1				
0	SITE BOUNDARY	01/08	MK	

PROJECT ENGINEER/ARCHITECT
D. BELASKAS, P.E.
PROJECT MANAGER
M. STORONSKY

DRAWN BY
M. CONLEY, E.I.T.
SCALE
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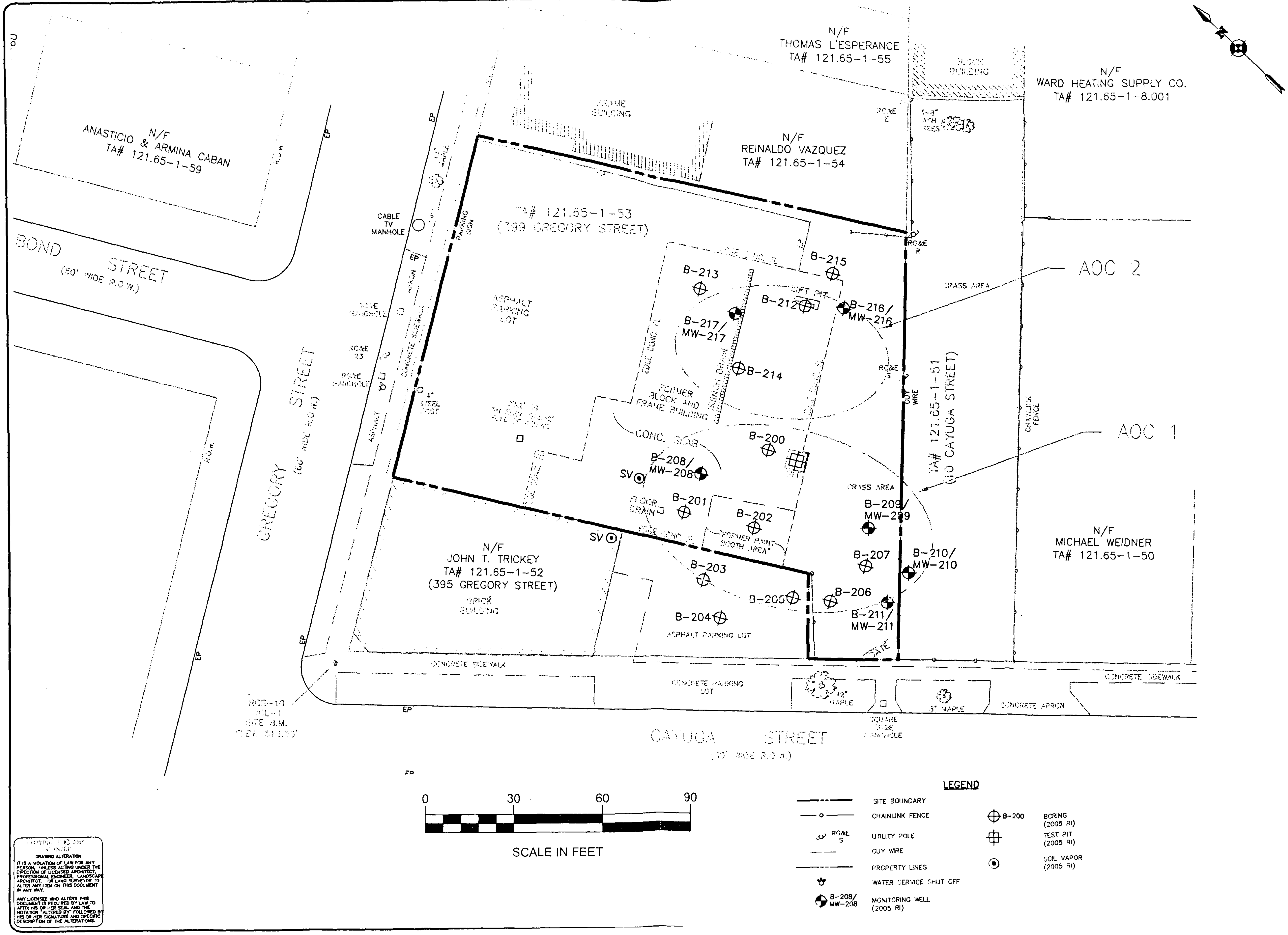
PROJECT
REMEDIAL INVESTIGATION
399 GREGORY STREET
ROCHESTER, NY

TITLE OF DRAWING
AREA OF CONCERN LOCATION PLAN

PROJECT NO.
190500196

DRAWING NO.
FIG. 2

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REVISIONS

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PROJECT MANAGER M. STORONSKY

DRAWN BY M. CONLEY, EIT

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PROJECT
REMEDIAL INVESTIGATION
399 GREGORY STREET
ROCHESTER, NY

TITLE OF DRAWING
REMEDIAL INVESTIGATION SOIL BORING AND

PROJECT NO. 190500196

DRAWING NO. FIG. 3

SHEET OF

Plotting Parameters
Plotted By: Matthew Hilton
Prog. File: U:\190500196\drawing\Remedial Report Figures\FIG 4 – SOIL BORING & MON WELLS LOCATION MAP.
Plotted: Jan 08, 2008 – 7:13am
Profile: Default
Xrefs: LESSA

N/F
ANASTICIO & ARMINA CABAN
TA# 121.65-1-59

N/F
THOMAS L'ESPERANCE
TA# 121.65-1-55

N/F
REINALDO VAZQUEZ
TA# 121.65-1-54

N/F
WARD HEATING SUPPLY CO.
TA# 121.65-1-8.001

TA# 121.65-1-53
(399 GREGORY STREET)

TA# 121.65-1-51
(10 CAYUGA STREET)

N/F
JOHN T. TRICKEY
TA# 121.65-1-52
(395 GREGORY STREET)
BRICK BUILDING

N/F
MICHAEL WEIDNER
TA# 121.65-1-50

BOND STREET (60' WIDE R.O.W.)

GREGORY STREET (66' WIDE R.O.W.)

CAYUGA STREET (30' WIDE R.O.W.)

BLOCK BUILDING

FRAME BUILDING

FORMER BLOCK AND FRAME BUILDING

FORMER PAINT BOOTH AREA

ASPHALT PARKING LOT

CONCRETE PARKING LOT

CONCRETE SIDEWALK

CONCRETE APRON

CONC. SLAB

GRASS AREA

AOC 1

AOC 2

MW-101 MW-103 MW-104 MW-105 MW-106 MW-107 MW-108 MW-109 MW-110 MW-111 MW-112 MW-113 MW-114 MW-115 MW-116

MW-BR-1 MW-BR-2 MW-BR-3

B-200 B-201 B-202 B-203 B-204 B-205 B-206 B-207 B-208/MW-208 B-209/MW-209 B-210/MW-210 B-211/MW-211 B-212 B-213 B-214 B-215 B-216/MW-216 B-217/MW-217

SS-106 SS-107 SS-108 SS-109 SS-110

B-1 B-2

SV

RCS-10
SCL-1
SITE B.M.
ELEV. 513.53'

0 30 60 90

SCALE IN FEET

LEGEND

- SITE BOUNDARY
- CHAINLINK FENCE
- UTILITY POLE
- GUY WIRE
- PROPERTY LINES
- WATER SERVICE SHUT OFF
- B-208/MW-208 MONITORING WELL (2005 RI)
- B-200 BORING (2005 RI)
- TEST PIT (2005 RI)
- SS-107 SOIL SAMPLE (DEC 2001)
- MW-110 MONITORING WELL (DEC 2001)
- BS-108 MONITORING WELL RSA REPORT (AUG. 1995)
- B-1 B-1

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6				
5				
4				
3				
2				
1				
0	SITE BOUNDARY	01/08	APL	
NO.	REVISIONS	DATE	BY	

PROJECT ENGINEER/ARCHITECT
D. BELASKAS, P.E.
PROJECT MANAGER
M. STORONSKY

DRAWN BY
M. CONLEY, EIT
SCALE
AS SHOWN
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PROJECT
REMEDIAL INVESTIGATION
399 GREGORY STREET
ROCHESTER, NY

TITLE OF DRAWING
SOIL BORING AND MONITORING WELL LOCATION MAP

PROJECT NO.
190500196

DRAWING NO.
FIG. 4

SHEET OF

Plotting Parameters
Plotted By: Mark Conley
Dwg. File: U:\1905\active\190500196\Veronica\Remedial Report Figures\FIG 5 - WATER LEVEL CONTOUR MAP.dwg
Plotted: Jan 08, 2008 - 7:22am
Xrefs:
Ltypes:
Layout: Model: LEESSA

N/F
ANDREW & CYNTHIA JOAN
TA# 121.65-1-49

BOND STREET
(60' WIDE R.O.W.)

R.O.W.

N/F
FLOWER CITY ENTERPRISE
TA# 121.65-1-55

FRAME BUILDING

N/F
RONALDO MADUREZ
TA# 121.65-1-54

BLOCK BUILDING

N/F
WARD HEATING SUPPLY CO.
TA# 121.65-1-8.A/1

3-8" ASH TREES

12" MAPLE

CABLE TV MANHOLE

PARKING SIGN

TA# 121.65-1-53
(399 GREGORY STREET)

ROOF
ROOF
ROOF
ROOF

UNDERGROUND ELECTRIC

ASPHALT PARKING LOT

MW-1

B-213

B-215

LIFT PIT

B-212

B-216/
MW-216

B-217/
MW-217

B-214

GRASS AREA

502.75

502.50

503.25

FORMER BLOCK AND FRAME BUILDING

TRENCH DRAIN

503.00

B-200

CONC. SLAB

B-208/
MW-208

SV

FLOOR DRAIN

B-201

PIT

GRASS AREA

B-209/
MW-209

B-202

FORMER PAINT BOOTH AREA

501.75

B-207

B-210/
MW-210

N/F
JOHN F. TRICKEY
TA# 121.65-1-52
(205 GREGORY STREET)

BRICK BUILDING

B-203

B-206

B-205

B-204

B-211/
MW-211

ASPHALT PARKING LOT

CONCRETE SIDEWALK

CONCRETE PARKING LOT

42" MAPLE

8" MAPLE

CONCRETE APRON

CONCRETE SIDEWALK

N/F
MICHAEL WEIDNER
TA# 121.65-1-50

TA# 121.65-1-51
(10 CAYUGA STREET)

CHAINLINK FENCE

GREGORY STREET
(66' WIDE R.O.W.)

CAYUGA STREET
(60' WIDE R.O.W.)

RCS-10
JCL-1
SITE B.M.
ELEV. 513.53'

0 30 60 90

SCALE IN FEET

LEGEND

502.50

6			
5			
4			
3			
2			
1			
0	SITE BOUNDARY	01/08	APL
		DATE	BY

PROJECT ENGINEER/ARCHITECT
D. BELASKAS, P.E.
PROJECT MANAGER
M. STORONSKY

DRAWN BY
M. CONLEY, EIT
SCALE
AS SHOWN
FIRST ISSUE DATE
FEB 06

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PROJECT
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399 GREGORY STREET
ROCHESTER, NY

TITLE OF DRAWING
OVERBURDEN
WATER LEVEL CONTOUR MAP (AUG 16 2006)

PROJECT NO.
190500196

DRAWING NO.
FIG. 5

SHEET OF

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Plotting Parameters
Plotted By: ulass
Dwg File: U:\900\90316\Working\Vermeulen Report Figures\VIG 6 - GW Contour MAP.dwg
Plotted: Jan 08, 2008 - 8:10am

Profile:
Land Development
GROUNDWATER LEVEL CONTOUR MAP
Node: LESSA

BOND STREET
(60' WIDE R.O.W.)

GREGORY STREET
(66' WIDE R.O.W.)

CAYUGA STREET
(60' WIDE R.O.W.)

R.O.W.

N/F
CHARLES A. CENTRA-GREEN
TA# 121.65-1-54

N/F
REBECCA VAZQUEZ
TA# 121.65-1-54

N/F
JOHN T. TRUDDY
TA# 121.65-1-52
(395 GREGORY STREET)
BRICK BUILDING

N/F
MICHAEL WEIDNER
TA# 121.65-1-50

TA# 121.65-1-53
(399 GREGORY STREET)

TA# 121.65-1-51
(410 CAYUGA STREET)

FRAME BUILDING

BLOCK BUILDING

3-8" ASH TREES

12" MAPLE

42" MAPLE

8" MAPLE

ASPHALT PARKING LOT

GRASS AREA

LIFT PIT

FORMER BLOCK AND FRAME BUILDING

TRENCH DRAIN

CONC. SLAB

"FORMER PAINT BOOTH AREA"

FLOOR DRAIN

PIT

CHAINLINK FENCE

B-200
B-201
B-202
B-203
B-204
B-205
B-206
B-207
B-208/MW-208
B-209/MW-209
B-210/MW-210
B-211/MW-211
B-212
B-213
B-214
B-215
B-216/MW-216
B-217/MW-217

505
504

RCS-10
JCL-1
SITE B.M.
ELEV. 513.53'

0 30 60 90
SCALE IN FEET

LEGEND

502.50

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NO.	DATE	REVISIONS
6		
5		
4		
3		
2		
1		
0		

PROJECT ENGINEER/ARCHITECT
D. BELASKAS, P.E.
PROJECT MANAGER
M. STORONSKY

DRAWN BY
A. LESS
FIRST ISSUE DATE
SCALE
AS SHOWN

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PROJECT
REMEDIAL INVESTIGATION
399 GREGORY STREET
ROCHESTER, NY

TITLE OF DRAWING
OVERBURDEN
WATER LEVEL CONTOUR MAP (NOV 1 2005)

PROJECT NO.
190500196

DRAWING NO.
FIG. 6

SHEET OF

U:\190500196\report\RI Report\QEA\HumanHealthCSM_Gregory.vsd

Historical Primary Sources	Primary Release/ Transport Mechanisms	Secondary Sources	Secondary Release/ Transport Mechanisms	Exposure Media/ Pathways	Exposure Routes	Receptors: Local Residents	Receptors: Occupational Worker	Receptors: Excavation/ Construction Worker/ Trespasser	Notes
Air	Dispersion and Volatilization		Wind Erosion, Volatilization, and Dispersion	Suspended Particulates	Inhalation of Particulates in Indoor and Outdoor Air	□	□	□	Concrete pad, asphalt, and grass covering impacted areas reduces natural dispersion of contaminants in particulate form. Erosion, soil tracking and dust control measures during excavation work will help prevent potential exposure to contaminated particulates
			Soil Vapor Intrusion Into Sewer & Utility Manholes						
			Soil Vapor Intrusion Into Buildings	Vapors	Inhalation of Vapors in Indoor and Outdoor Air	□	■	■	Soil vapor sampling in adjacent mixed-use building indicated no vapor intrusion. Remediation of soils can be implemented to mitigate potential vapor exposure to future site occupants. Engineering controls will be needed to control vapors during construction.
			In Situ Remediation Vapor Extraction						
Soils	Historical Operations	Surface Soils	Surface and Subsurface Soil Excavation	Ingestion	Ingestion	□	■	■	Fencing limits current exposure to local transients. Mitigation measures include use of personal protective equipment (PPE), engineering controls, and limitations on timing and duration of remedial work to limit exposure to excavated soils.
	Spills/Leaks/ Releases	Subsurface Soils		Dermal Contact	Dermal Contact	□	■	■	
Groundwater	Percolation/ Infiltration	Groundwater	In Situ Remediation Groundwater Extraction	Ingestion	Ingestion	□	■	■	City Code prohibits installation of potable water wells. Potential exposure to groundwater during excavation work and through infiltration into future on-site building basement. Use of PPE and sound engineering practices will reduce risk of exposure to groundwater during remedial work and future building construction and use.
			Subsurface Migration Through Utility Bedding	Inhalation	Inhalation	□	■	■	
			Infiltration to Sanitary Sewer	Dermal Contact	Dermal Contact	□	■	■	
			Infiltration to Storm Sewer						
			Discharge to Surface Water						
Surface Waters				Surface Water (Sewage Treatment Facilities)	Ingestion	□	□	□	No direct access to surface water.
				Surface Water	Inhalation	□	□	□	
					Dermal Contact	□	□	□	
				Sediments	Dermal Contact	□	□	□	

Legend:

□ : Pathway Evaluated and Found Incomplete. No Potential Exposure. No Further Mitigation Recommended

■ : Pathway Complete. Potential Exposure. Further Mitigation Recommended

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399 Gregory Street RI/AAR

Human Health Conceptual Site Model for the Qualitative Exposure Assessment

Project No.	Date:	Figure:
190500196	February 2006	7

U:\190500196\report\RI Report\QEA\EcologicalCSM_Gregory.vsd

Historical Primary Sources	Primary Release/ Transport Mechanisms	Secondary Sources	Secondary Release/ Transport Mechanisms	Exposure Media/ Pathways	Exposure Routes	Receptors: Avian Population	Receptors: Terrestrial Population	Receptors: Aquatic Population	Notes
Air	Dispersion and Volatilization		Wind Erosion, Volatilization, and Dispersion	Suspended Particulates	Inhalation of Particulates	□	□	□	Assumed to be minor
				Vapors	Inhalation of Vapors	□	■	□	Terrestrial population living or burrowing in the subsurface considered. No sensitive ecological resources identified.
Soils	Historical Operations	Surface Soils			Soil Contact	■	■	□	No sensitive ecological resources identified.
	Spills/Leaks/ Releases	Potential Surface/ Subsurface Soils			Ingestion	■	■	□	Ingestion of plants and soils. Birds and terrestrial population living or burrowing in the subsurface considered. No sensitive ecological resources identified.
Groundwater	Percolation/ Infiltration	Groundwater			Ingestion	□	□	□	No Direct Access to Groundwater.
			Infiltration to Storm Sewer		Inhalation	□	□	□	
			Discharge to Surface Water		Dermal Contact	□	□	□	
Surface Waters				Surface Water	Water Contact	□	□	□	No direct access to surface water.
				Sediments	Sediment Contact	□	□	□	

Legend:

□ : Pathway Evaluated and Found Incomplete. No Potential Exposure. No Further Mitigation Recommended

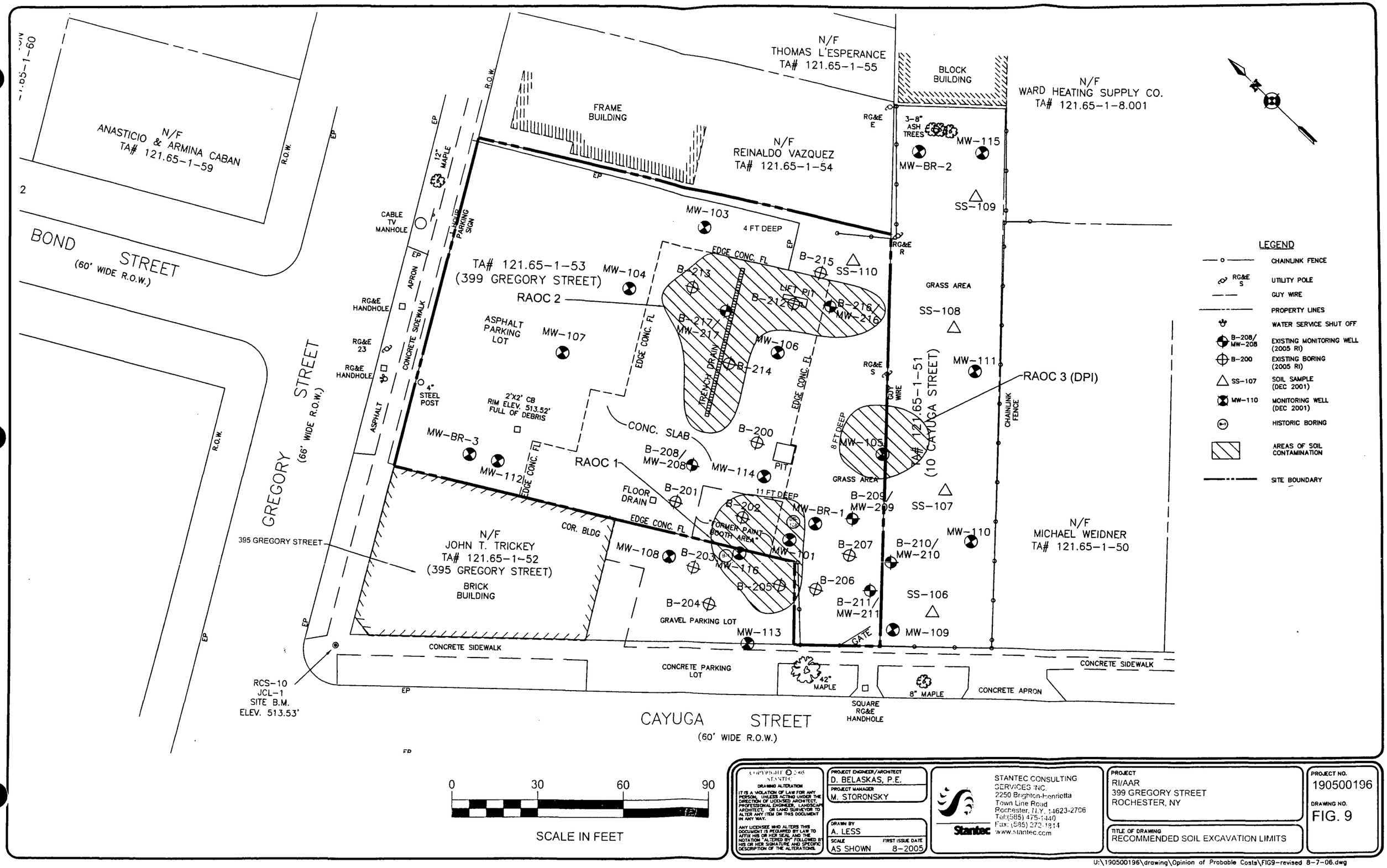
■ : Pathway Complete. Potential Exposure. Further Mitigation Recommended

Stantec

399 Gregory Street RI/AAR

Fish and Wildlife Conceptual Site Model for the Qualitative Exposure Assessment

Project No.	Date:	Figure:
190500196	February 2006	8



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PROJECT ENGINEER/ARCHITECT: D. BELASKAS, P.E.
PROJECT MANAGER: M. STORONSKY
DRAWN BY: A. LESS
SCALE: AS SHOWN
FIRST ISSUE DATE: 8-2005

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PROJECT: RI/AAR
399 GREGORY STREET
ROCHESTER, NY

PROJECT NO.: 190500196

DRAWING NO.: FIG. 9

TITLE OF DRAWING: RECOMMENDED SOIL EXCAVATION LIMITS

U:\190500196\drawing\Opinion of Probable Costs\FIG9-revised 8-7-06.dwg

TABLES

TABLE 1
SUMMARY OF PID HEADSPACE READINGS (ppm)
399 Gregory Street
Rochester, NY

Borehole	Depth (ft. bgs)	PID Readings	
		Peak (ppm)	Background (ppm)
AOC - 1			
B-200	0-4	0.8	0.0
	4-8	0.0	0.0
	8-12	0.0	0.0
	12-15	0.0	0.0
B-201	0-4	0.6	0.0
	4-8	0.5	0.0
	8-12	0.4	0.0
B-202	0-4	1.2	0.0
	4-8	0.7	0.0
	8-12	0.4	0.0
	12-15	0.2	0.0
B-203	0-4	1.3	0.0
	4-8	0.8	0.0
	8-12	0.6	0.0
	12-15	0.6	0.0
B-204	0-4	0.8	0.0
	4-8	0.8	0.0
	8-12	0.6	0.0
	12-15	0.6	0.0
B-205	0-4	1.0	0.0
	4-8	89.1	0.0
	8-12	13.1	0.0
	12-15	0.7	0.0
B-206	0-4	1.5	0.0
	4-8	1.2	0.0
	8-12	1.1	0.0
B-207	0-4	1.5	0.0
	4-6	0.8	0.0
B-208	0-4	0.5	0.0
	4-8	0.4	0.0
	8-12	0.3	0.0
	12-15	0.4	0.0
B-209	0-4	0.4	0.0
	4-8	0.0	0.0
	8-12	0.0	0.0
	12-15	0.0	0.0

TABLE 1
SUMMARY OF PID HEADSPACE READINGS (ppm)
399 Gregory Street
Rochester, NY

Borehole	Depth (ft. bgs)	PID Readings	
		Peak (ppm)	Background (ppm)
B-210	0-4	10.0	0.0
	4-8	9.4	0.0
	8-12	1.1	0.0
	12-15	0.4	0.0
B-211	0-4	0.4	0.0
	4-8	34.1	0.0
	8-12	0.0	0.0
	12-15		
AOC - 2			
B-212	0-4	0.9	0.0
	4-8	1.4	0.0
	8-12	1.3	0.0
B-213	0-4	6.5	0.0
	4-8	0.5	0.0
	8-12	0.2	0.0
	12-15	0.4	0.0
B-214	0-4	27.1	0.0
	4-8	0.7	0.0
	8-12	0.5	0.0
	12-15	0.7	0.0
B-215	0-4	1.0	0.0
	4-8	1.3	0.0
	8-12	0.5	0.0
B-216	0-4	0.7	0.0
	4-8	0.8	0.0
	8-12	0.3	0.0
	12-15	0.3	0.0
B-217	0-4	22.5	0.0
	4-8	1.0	0.0
	8-12	0.5	0.0
	12-15	0.0	0.0

Notes:
1. ft. bgs = feet below ground surface.
2. ppm = parts per million.
3. PID data collected with Mini-Rae 2000 equipped with 10.6 eV lamp.

TABLE 2
SOIL SAMPLE SUMMARY
399 Gregory Street
Rcohester, NY

Sample ID	Location	Date	Depth (ft. bgs)	Parameters
AOC - 1				
GR-B200-S	B-200	8/4/2005	8-12	TCL VOCs plus TICs by OLM 4.2
GR-B201-S	B-201	8/3/2005	8-12	TCL VOCs plus TICs by OLM 4.2
GR-B202-S ms/msd	B-202	8/3/2005	12-15	TCL VOCs plus TICs by OLM 4.2
GR-B203-S	B-203	8/3/2005	4-8	TCL VOCs plus TICs by OLM 4.2
GR-B204-S	B-204	8/3/2005	12-16	TCL VOCs plus TICs by OLM 4.2
GR-B205-S	B-205	8/3/2005	4-8	TCL VOCs plus TICs by OLM 4.2
GR-B206-S	B-206	8/3/2005	8-12	TCL VOCs plus TICs by OLM 4.2
GR-B207-S	B-207	8/3/2005	0-4	TCL VOCs plus TICs by OLM 4.2
GR-B208-S	B-208	8/4/2005	8-12	TCL VOCs plus TICs by OLM 4.2
GR-B209-S	B-209	8/5/2005	12-15	TCL VOCs plus TICs by OLM 4.2
GR-B210-S	B-210	8/4/2005	4-8	TCL VOCs plus TICs by OLM 4.2
GR-B211-S	B-211	8/5/2005	4-8	TCL VOCs plus TICs by OLM 4.2
AOC - 2				
GR-B212-S	B-212	8/4/2005	8-12	TCL VOCs plus TICs by OLM 4.2 TCL SVOCs plus TICs by OLM 4.2 PCBs by OLM 4.2 TAL Metals by ILM 5.1
GR-B213-S	B-213	8/4/2005	0-4	TCL VOCs plus TICs by OLM 4.2 TCL SVOCs plus TICs by OLM 4.2 PCBs by OLM 4.2 TAL Metals by ILM 5.1

TABLE 2
SOIL SAMPLE SUMMARY
399 Gregory Street
Rcohester, NY

Sample ID	Location	Date	Depth (ft. bgs)	Parameters
GR-B214-S	B-214	8/3/2005	0-4	TCL VOCs plus TICs by OLM 4.2 TCL SVOCs plus TICs by OLM 4.2 PCBs by OLM 4.2 TAL Metals by ILM 5.1
GR-XX-S-DUP	duplicate of GR-B214-S	8/3/2005	0-4	TCL VOCs plus TICs by OLM 4.2 TCL SVOCs plus TICs by OLM 4.2 PCBs by OLM 4.2 TAL Metals by ILM 5.1
GR-B215-S	B-215	8/4/2005	4-8	TCL VOCs plus TICs by OLM 4.2 TCL SVOCs plus TICs by OLM 4.2 PCBs by OLM 4.2 TAL Metals by ILM 5.1
GR-B216-S	B-216	8/4/2005	0-4	TCL VOCs plus TICs by OLM 4.2 MSMSD-TCL SVOCs plus TICs by OLM 4.2 MS/MSD-PCBs by OLM 4.2 TAL Metals by ILM 5.1
GR-B217-S	B-217	8/4/2005	0-4	TCL VOCs plus TICs by OLM 4.2 TCL SVOCs plus TICs by OLM 4.2 PCBs by OLM 4.2 MS/MSD-TAL Metals by ILM 5.1

Notes:
1. ft. bgs = feet below ground surface.
2. GR-XX-S-DUP is a duplicate of GR-B214-S.

TABLE 3
WELL COMPLETION SUMMARY
399 Gregory Street
Rochester, NY

Well	Northing	Easting	Reference Elevation	Ground Elevation	Well Diameter (in.)	Bentonite Seal (ft. bgs)	Sandpack Interval (ft. bgs)	Screened(3) Interval (ft. bgs)	Total Depth (ft. bgs)
Existing Wells									
MW-101	1146597.652	1410450.095	512.74	513.2	2.0	5-7	7-19.5	9.1-19.1	19.5
MW-103	1146696.876	1410508.056	512.32	513.0	2.0	4.9-6.9	6.9-18.9	8.9-18.9	18.9
MW-104	1146700.312	1410473.75	513.01	513.3	2.0	5-7	7-19.2	9.2-19.2	19.2
MW-105	1146596.225	1410494.472	512.00	512.4	2.0	1.5-4	4-16	6-16	16
MW-106	1146647.445	1410494.407	512.98	513.1	1.0	3-5.5	5.5-12.5	7.5-12.5	12.5
MW-107	1146700.74	1410441.062	512.68	513.3	2.0	1.5-4	4-16	6-16	16
MW-108	1146623.149	1410416.138	515.29	512.5	2.0	2-4	4-16.5	6-16	16.5
MW-109	1146549.725	1410452.941	511.40	511.8	2.0	1.5-4	4-16.5	6.5-16.5	16.5
MW-110	1146552.389	1410494.258	511.60	512.1	2.0	1.5-4	4-16.5	6-16	16.5
MW-111	1146594.16	1410538.25	511.80	512.2	2.0	1.5-3.5	3.5-16	6-16	16
MW-112	1146689.696	1410397.639	513.08	510.5	2.0	1.5-4	4-16	6-16	16
MW-113	1146582.014	1410413.948	511.81	512.4	2.0	1.5-4	4-16.5	6.5-16.5	16.5
MW-114	1146619.797	1410459.77	513.00	513.4	1.0	3-5	5-12.5	7.3-12.3	12.5
MW-115	1146646.857	1410595.146	515.64	513.2	2.0	3-4	4-16	6-16	16
MW-116	1146606.522	1410434.54	516.16	513.7	1.0	3-6	6-18	8-18	18
MW-BR-1	1146595.46	1410460.481	512.72	513.1	4.0	0-21	NA	21-31.3	31.3
MW-BR-2	1146662.759	1410579.78	512.98	513.5	4.0	0-21	NA	21-30.7	30.7
MW-BR-3	1146698.398	1410392.329	513.23	513.5	4.0	0-21	NA	21-30.8	30.8
New Wells									
MW-208	1146640.385	1410444.935	512.93	513.3	1.0	1-4	4-15	5-15	15
MW-209	1146587.456	1410470.834	512.62	513.0	1.0	1-4	4-15	5-15	15
MW-210	1146567.133	1410469.357	511.66	512.0	1.0	1-3	3-15	5-15	15
MW-211	1146565.14	1410457.168	512.09	512.4	1.0	1-4	4-11.9	6.9-11.9	11.9
MW-216	1146646.113	1410519.009	512.20	512.7	1.0	1-3	3-15	5-15	15
MW-217	1146670.628	1410492.255	512.92	513.1	1.0	1-3.5	3.5-15	5-15	15

Notes:
1. Reference elevations based upon August 10,2005 survey performed by Stantec.
Horizontal datum is referenced to NYS Plane Coordinate System NAD 83, Vertical datum is referenced to North American Vertical Datum of 1988.
2. ft. bgs = feet below ground surface.
3. Screened Interval in MW-BR-1 to MW-BR-3 equals the open corehole interval

TABLE 4
WATER LEVEL SUMMARY
399 Gregory Street
Rochester, NY

Well	Northing	Easting	Reference Elevation	August 16, 2005		October 27, 2005		November 4, 2005		May 23, 2006	
				Water Level (ft. btoc)	Water Level (elevation)	Water Level (ft. btoc)	Water Level (elevation)	Water Level (ft. btoc)	Water Level (elevation)	Water Level (ft. btoc)	Water Level (elevation)
Existing Wells											
MW-101	1146597.652	1410450.095	512.74	11.12	501.62	8.38	504.36	NM	-	8.79	503.95
MW-103	1146696.876	1410508.056	512.32	9.33	502.99	7.75	504.57	NM	-	7.51	504.81
MW-104	1146700.312	1410473.750	513.01	10.12	502.89	8.34	504.67	NM	-	8.32	504.69
MW-105	1146596.225	1410494.472	512.00	9.35	502.65	5.59	506.41	NM	-	7.08	504.92
MW-106	1146647.445	1410494.407	512.98	NM	-	7.82	505.16	NM	-	7.94	505.04
MW-107	1146700.740	1410441.062	512.68	9.68	503.00	7.23	505.45	NM	-	7.89	504.79
MW-108	1146623.149	1410416.138	515.29	12.68	502.61	10.87	504.42	NM	-	11.17	504.12
MW-109	1146549.725	1410452.941	511.40	9.32	502.08	8.08	503.32	NM	-	8.05	503.35
MW-110	1146552.389	1410494.258	511.60	9.56	502.04	7.70	503.90	NM	-	8.07	503.53
MW-111	1146594.160	1410538.250	511.80	9.29	502.51	6.98	504.82	NM	-	7.14	504.66
MW-112	1146689.696	1410397.639	513.08	10.41	502.67	8.57	504.51	NM	-	8.85	504.23
MW-113	1146582.014	1410413.948	511.81	9.26	502.55	8.89	502.92	NM	-	7.84	503.97
MW-114	1146619.797	1410459.770	513.00	10.47	502.53	6.74	506.26	NM	-	8.38	504.62
MW-115	1146646.857	1410595.146	515.64	13.45	502.19	11.71	503.93	NM	-	10.75	504.89
MW-116	1146606.522	1410434.540	516.16	14.00	502.16	11.18	504.98	NM	-	12.00	504.16
MW-BR-1	1146595.460	1410460.481	512.72	11.50	501.22	9.55	503.17	NM	-	9.95	502.77
MW-BR-2	1146662.759	1410579.780	512.98	13.10	499.88	11.80	501.18	NM	-	11.40	501.58
MW-BR-3	1146698.398	1410392.329	513.23	11.00	502.23	9.25	503.98	NM	-	9.41	503.82
New Wells											
MW-208	1146640.385	1410444.935	512.93	9.45	503.48	7.53	505.40	8.10	504.83	7.53	505.40
MW-209	1146587.456	1410470.834	512.62	10.65	501.97	6.74	505.88	8.13	504.49	6.74	505.88
MW-210	1146567.133	1410469.357	511.66	9.65	502.01	7.45	504.21	8.00	503.66	7.45	504.21
MW-211	1146565.140	1410457.168	512.09	10.08	502.01	8.29	503.80	8.54	503.55	8.29	503.80
MW-216	1146646.113	1410519.009	512.20	9.21	502.99	6.54	505.66	7.06	505.14	6.54	505.66
MW-217	1146670.628	1410492.255	512.92	9.61	503.31	NM	-	7.77	505.15	NM	-

Notes:
1. Reference elevations based upon the August 10,2005 survey performed by licensed Stantec survey crew. Horizontal datum is referenced to NYS Plane Coordinate System NAD 83; Vertical datum NAVD 1988.
2. ft. btoc = feet below top of casing.
3. NM = not measured.

TABLE 5
FIELD PARAMETER SUMMARY
399 Gregory Street
Rochester, NY

Well	Date	Water Level (ft. btor)	Time	Volume Purged (gal)	pH (SU)	Conductivity (us/cm)	Temperature (°C)	Turbidity (NTU)	ORP (eV)	Dissolved Oxygen mg/l
August, 2005										
MW-101	08/08/05	10.81	17:02	1.25	6.32	786.4	13.9	44.8	-223	NM
			17:06	2.5	8.44	789.1	13.7	22.4	-219	NM
			17:10	3.75	8.64	804.7	13.3	11.6	-232	NM
MW-104	08/09/05	9.89	14:12	1.5	6.25	1094	16.7	1000+	-193	NM
			14:16	3	7.21	1083	15.8	1000+	-139	NM
			14:20	4.5	7.71	1073	15.1	1000+	-175	NM
MW-105	08/08/05	8.75	16:17	0.75	7.05	751	16.5	1000+	-164	NM
			16:23	1.5	7.25	723.1	17.5	1000+	-107	NM
			16:32	2.25	7.23	602.1	17.8	1000+	-37	NM
MW-106	08/09/05	9.50	8:10	0.11 dry at 0.11 gallons	7.03	747.9	15.6	1000+	-167	NM
MW-108	08/05/05	12.34	16:18	1.0	6.75	1189	15.6	1000+	-283	NM
			16:22	2.0	7.71	1195	15.4	1000+	-165	NM
			16:25	3.0	6.89	1186	14.7	1000+	-146	NM
MW-110	08/08/05	9.32	16:00	1.0	6.81	983.5	15.9	1000+	-246	NM
			16:02	2.0	7.24	990.8	14.6	1000+	-185	NM
			16:05	3.0	7.36	990.1	14.8	1000+	-141	NM
MW-111	08/09/05	9.10	15:20	1.0	6.27	809.7	14.7	1000+	-256	NM
			15:22	2.0	6.31	868.6	13.6	1000+	-143	NM
			15:25	3.0	6.29	921.8	12.9	1000+	-63	NM
MW-113	08/09/05	9.08	13:16	1.0	6.62	2774	16.3	1000+	-110	NM
			13:25	2.0	7.79	2754	16.4	841.0	-136	NM
			13:34	3.0	7.08	2731	16.1	1000.0	-115	NM
MW-114	08/09/05	10.31	8:30	0.02 dry @ 0.02 gallons	7.30	863.6	16.6	1000+	-228	NM

TABLE 5
FIELD PARAMETER SUMMARY
399 Gregory Street
Rochester, NY

Well	Date	Water Level (ft. btor)	Time	Volume Purged (gal)	pH (SU)	Conductivity (us/cm)	Temperature (°C)	Turbidity (NTU)	ORP (eV)	Dissolved Oxygen mg/l
MW-116	08/05/05	13.58	15:55	0.25	6.56	1015	16.9	1000+	-246	NM
			16:01	0.50	6.59	1050	20.3	1000+	-289	NM
				dry @ 0.5 gallons						
MW-208	08/08/05	9.30	8:49	0.17	6.89	789.2	14.8	1000+	-198	NM
development			8:53	0.34	7.46	783.7	14.3	1000+	-218	NM
			8:56	0.51	8.00	791.7	14.0	1000+	-233	NM
			8:59	0.68	8.21	812.3	13.9	1000+	-225	NM
			9:01	0.85	8.05	810.3	14.6	1000+	-190	NM
sampling	08/09/05	9.32	8:50	0.17	7.55	826.9	14.5	1000+	-221	NM
			8:53	0.34	7.38	823.7	14.4	1000+	-231	NM
			8:57	0.51	7.46	830.2	14.7	1000+	-227	NM
MW-209	08/08/05	10.38	8:27	0.14	7.32	716.8	16.6	1000+	-242	NM
development			8:31	0.28	7.45	982.9	16.0	1000+	-202	NM
			8:36	0.42	7.48	1036	16.2	1000+	-176	NM
				dry @ 0.42 gallons						
sampling	08/09/05	10.40	9:20	0.14	6.65	1070	16.7	1000+	-47	NM
			9:25	0.28	6.77	1055	17.0	1000+	-49	NM
			9:33	0.42	6.69	1046	17.4	1000+	-55	NM
MW-210	08/08/05	9.51	7:50	0.16	7.36	1000	15.5	1000+	-355	NM
development			7:54	0.32	7.49	904.7	15.2	1000+	-433	NM
			7:59	0.48	7.72	763.7	15.8	1000+	-484	NM
sampling	08/09/05	9.45	9:46	0.16	6.71	1168	16.5	1000+	-38	NM
			9:54	0.32	6.83	1198	17.4	1000+	-69	NM
			10:00	0.48	6.82	1201	17.6	1000+	-77	NM
MW-211	08/08/05	9.90	7:30	0.1	7.39	1315	16.8	1000+	-265	NM
development				dry @ 0.1 gallons						

TABLE 5
FIELD PARAMETER SUMMARY
399 Gregory Street
Rochester, NY

Well	Date	Water Level (ft. btor)	Time	Volume Purged (gal)	pH (SU)	Conductivity (us/cm)	Temperature (°C)	Turbidity (NTU)	ORP (eV)	Dissolved Oxygen mg/l
MW-211 (cont.)	08/09/05	9.91	12:57	0.06	6.95	1268	21.6	100.0	-77	NM
sampling			13:00	0.12	7.31	1276	19.8	1000+	-121	NM
			13:02	0.18	7.30	1274	19.4	1000+	-135	NM
MW-216	08/08/05	8.92	11:46	0.18	6.85	693	14.8	1000+	-667	NM
development			11:49	0.36	7.23	420.1	16.1	1000+	-385	NM
			11:54	0.54	7.44	704.6	18.4	1000+	-135	NM
				dry @ 0.54 gallons						
sampling	08/09/05	9.02	7:30	0.18	7.32	827.5	14.2	1000+	-192	NM
			7:33	0.36	7.33	815.1	14.1	1000+	-212	NM
			7:38	0.54	7.43	812.4	14.2	1000+	-204	NM
MW-217	08/08/05	9.41	12:12	0.18	6.19	1282	15.7	1000+	-121	NM
development			12:14	0.36	6.63	1363	16.2	1000+	-86	NM
			12:16	0.54	6.91	1284	15.5	1000+	-90	NM
			12:18	0.72	6.93	1312	14.9	1000+	-51	NM
			12:21	0.90	6.62	1326	15.1	1000+	-54	NM
sampling	08/09/05	9.44	7:52	0.18	7.08	1243	15.1	1000+	-181	NM
			7:58	0.36	7.44	1355	14.4	1000+	-198	NM
			8:01	0.54	7.47	1356	14.6	1000+	-201	NM
November, 2005										
MW-208	11/04/05	8.40	10:10	0.24	6.05	1206	16.0	200+	211	NM
			10:16	0.48	6.24	1165	15.5	200+	128	NM
			10:22	0.72	6.50	1155	15.4	200+	168	NM
MW-209	11/04/05	8.40	10:54	0.26	6.27	1735	15.2	200+	154	NM
			11:08	0.52	6.67	1748	15.1	200+	156	NM
			11:22	0.78	6.94	1750	15.2	200+	152	NM
MW-210	11/04/05	8.00	12:04	0.26	5.55	1125	15.9	200+	62	NM
			12:10	0.52	6.42	1152	16.0	200+	36	NM
				dry @ 0.52 gallons						

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FIELD PARAMETER SUMMARY

399 Gregory Street
Rochester, NY

Well	Date	Water Level (ft. btor)	Time	Volume Purged (gal)	pH (SU)	Conductivity (us/cm)	Temperature (°C)	Turbidity (NTU)	ORP (eV)	Dissolved Oxygen mg/l
MW-211	11/04/05	8.54	12:30	0.11	6.52	1281	16.4	200+	-29	NM
			12:34	0.22	6.62	1287	16.2	200+	-26	NM
				dry @ 0.22 gallons						
MW-216	11/04/05	7.06	10:45	-						
low stress		7.44	10:50	-	5.64	970	15.2	105.0	183	8.56
150 ml/min		7.44	10:55	-	5.63	970	15.5	49.5	180	5.48
		7.46	11:00	-	5.65	970	15.5	24.8	177	4.69
		7.45	11:05	-	5.68	960	15.5	<1	176	3.91
		7.44	11:10	-	5.70	960	15.6	<1	176	3.61
		7.44	11:15	-	5.71	960	15.7	<1	177	3.42
		7.44	11:20	-	5.71	960	15.7	<1	177	3.37
		7.44	11:25	-	5.71	960	15.7	<1	178	3.19
MW-217	11/04/05	7.77	9:20	-						
low stress		7.92	9:25	-	5.15	1370	15.4	99.0	266	10.42
140 ml/min		7.92	9:30	-	5.47	1330	15.5	<10	220	4.51
		7.92	9:35	-	5.82	1320	15.4	<10	140	2.02
		7.92	9:40	-	6.05	1320	15.5	<10	94	1.65
		7.92	9:45	-	6.14	1320	15.7	<10	67	1.28
		7.92	9:50	-	6.16	1320	15.7	<10	59	1.14
		7.92	9:55	-	6.19	1320	15.6	<10	49	0.78
		7.92	10:00	-	6.21	1320	15.7	<10	41	0.47
		7.92	10:05	-	6.21	1320	15.7	<10	37	0.3
		7.92	10:10	-	6.22	1320	15.6	<10	34	0.08

Notes:
1. ft btor = feet below top of riser.
2. SU = standard units.
3. us/cm = microsiemens per centimeter.
4. (°C) = degrees Celsius.
5. NTU = Nephelometric Turbidity Units.
6. eV = electrovolts.
7. Mg/l= milligramper liter

TABLE 6
GROUNDWATER SAMPLE SUMMARY
399 Gregory Street
Rochester, NY

Sample ID	Location	Date	Method	Parameters
August 2005				
GR-XX-GW-RB-GW	Rinse blank	8/8/2005	NA	TCL VOCs plus TICs by OLM 4.2
GR-MW101-GW	MW-101	8/8/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2
GR-MW101-LNAPL	MW-101	8/8/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2 TPH by NYSDOH Method 310.13
GR-MW104-GW (MS/MSD)	MW-104	8/9/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2 TCL SVOCs plus TICs by OLM 4.2 PCBs by OLM 4.2 TAL Metals by ILM 5.1
GR-MW105-GW	MW-105	8/8/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2
GR-MW106-GW	MW-106	8/9/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2 TCL SVOCs plus TICs by OLM 4.2 PCBs by OLM 4.2 TAL Metals by ILM 5.1
GR-MW108-GW	MW-108	8/5/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2
GR-MW110-GW	MW-110	8/8/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2
GR-MW111-GW	MW-106	8/9/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2 TCL SVOCs plus TICs by OLM 4.2 PCBs by OLM 4.2 TAL Metals by ILM 5.1
GR-MW113-GW	MW-110	8/9/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2
GR-MW114-GW	MW-110	8/9/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2
GR-MW116-GW	MW-116	8/5/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2
GR-MW208-GW	MW-208	8/9/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2
GR-MW209-GW	MW-209	8/9/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2
GR-MW210-GW	MW-210	8/9/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2

TABLE 6
GROUNDWATER SAMPLE SUMMARY
399 Gregory Street
Rochester, NY

Sample ID	Location	Date	Method	Parameters
GR-MW211-GW	MW-211	8/9/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2
GR-MW216-GW	MW-216	8/9/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2 TCL SVOCs plus TICs by OLM 4.2 PCBs by OLM 4.2 TAL Metals by ILM 5.1
GR-MW217-GW	MW-217	8/9/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2 TCL SVOCs plus TICs by OLM 4.2 PCBs by OLM 4.2 TAL Metals by ILM 5.1
GR-XX-DUP	MW-217	8/9/2005	poly bailer	TCL VOCs plus TICs by OLM 4.2 TCL SVOCs plus TICs by OLM 4.2 PCBs by OLM 4.2 TAL Metals by ILM 5.1
Trip Blank	NA	8/9/2005	NA	TCL VOCs plus TICs by OLM 4.2
November 2005				
GR-MW208-GW	MW-208	11/4/2005	poly bailer	TCL VOCs plus TICs by EPA 8260
GR-MW209-GW	MW-209	11/4/2005	poly bailer	TCL VOCs plus TICs by EPA 8260
GR-MW210-GW	MW-210	11/4/2005	poly bailer	TCL VOCs plus TICs by EPA 8260
GR-MW211-GW	MW-211	11/4/2005	poly bailer	TCL VOCs plus TICs by EPA 8260
GR-MW216-GW	MW-216	11/4/2005	low stress	TCL VOCs plus TICs by EPA 8260 TAL Metals by ILM 5.1
GR-DUP-GW	MW-216	11/4/2005	low stress	TAL Metals by ILM 5.1
GR-MW217-GW (MS/MSD- TAL Metals only)	MW-217	11/4/2005	low stress	TCL VOCs plus TICs by EPA 8260 TAL Metals by ILM 5.1
Trip Blank	NA	11/4/2005	NA	TCL VOCs plus TICs by OLM 4.2

Notes:
1. GR-XX-DUP is a duplicate sample of GR-MW217-GW collected on 8/9/2005.
2. GR-Dup-GW is a duplicate sample of GR-MW216-GW collected on 11/4/2005

TABLE 7
STRATIGRAPHIC SUMMARY
399 Gregory Street
Rochester, NY

Boring Number	Misc. Fill	Fill	Native Sand	Silt/Clay	Till
AOC-1					
B-200	-	0 - 8.3	8.3 - 9.5	-	9.5 - 15.0
B-201	0 - 1.2	1.2 - 4.3	4.3 - 8.4	-	8.4 - 12.0
B-202	0 - 6.4	-	6.4 - 8.0	-	8.0 - 15.0
B-203	0 - 1.7	1.7 - 3.7	3.7 - 10.0	-	10.0 - 15.0
B-204	0 - 3.3	3.3 - 4.0	4.0 - 6.5	6.5 - 10.3	10.3 - 16.0
B-205	-	0.0 - 7.4	7.4 - 10.0	-	10.0 - 15.0
B-206	0 - 4.0	4.0 - 6.5	6.5 - 9.8	-	9.8 - 12.0
B-207	0 - 1.5	1.5 - 4.0	4.0 - 6.0	-	-
B-208	0 - 1.3	-	1.3 - 9.0	-	9.0 - 15.0
B-209	-	0.0 - 4.1	4.1 - 9.3	7.8 - 8.0	9.3 - 15.0
B-210	0 - 2.7	-	2.7 - 9.0	-	9.0 - 15.0
B-211	0 - 2.7	2.7 - 4.4	4.4 - 7.7	-	7.7 - 11.9
AOC-2					
B-212	0 - 1.8	-	1.8 - 5.5	5.5 - 9.5	9.5 - 12.0
B-213	0 - 3.6	-	3.6 - 10.0	-	10.0 - 15.0
B-214	-	0.0 - 2.2	2.2 - 10.4	10.4 - 11.2	11.2 - 15.0
B-215	0 - 1.5	-	1.5 - 6.6	6.6 - 7.2	9.0 - 10.3
B-216	0 - 1.0	-	1.0 - 6.5	6.5 - 8.7	9.7 - 15.0
B-217	0 - 1.6	-	1.6 - 3.0	3.0 - 6.6	11.5 - 15.0

Notes:
1. Stratigraphic depth intervals interpreted from individual boring logs. See boring logs for soil descriptions.

TABLE 8
SUMMARY OF TCL VOLATILE ORGANIC COMPOUNDS IN SOIL
399 Gregory Street
Rochester, NY

Sample ID		AOC 1										
		GR-B200-S	GR-B201-S	GR-B202-S	GR-B203-S	GR-B204-S	GR-B205-S	GR-B206-S	GR-B207-S	GR-B208-S	GR-B209-S	NYSDEC Recommeded
Lab Sample Number		T4080-12	T4080-09	T4080-06	T4080-03	T4080-01	T4080-02	T4080-04	T4080-05	T4080-13	T4091-01	Soil Cleanup
Sampling Date		08/04/05	08/03/05	08/03/05	08/03/05	08/03/05	08/03/05	08/03/05	08/03/05	08/04/05	08/05/05	Objectives [1]
Sample Depth		8-12'	8-12'	12-15'	4-8'	12-16'	4-8'	8-12'	0-4'	8-12'	12-15'	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	CAS #	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dichlorodifluoromethane	75-71-8	11 UJ	11 UJ	12 UJ	11 UJ	12 U	12 U	11 UJ	11 UJ	12 UJ	11 U	10,000 *
Chloromethane	74-87-3	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
Vinyl Chloride	75-01-4	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	200
Bromomethane	74-83-9	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
Chloroethane	75-00-3	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	1,900
Trichlorofluoromethane	75-69-4	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
1,1,2-Trichlorotrifluoroethane	76-13-1	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
1,1-Dichloroethene	75-35-4	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	400
Acetone	67-64-1	**11** J	57 U	59 U	57 U	**11** J	**27** J	**18** J	55 U	**15** J	55 U	200
Carbon Disulfide	75-15-0	**1.3** J	11 UJ	12 UJ	11 UJ	12 U	12 U	**1.3** J	11 UJ	**3.6** J	11 UJ	2,700
Methyl tert-butyl Ether	1634-04-4	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	120
Methyl Acetate	79-20-9	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
Methylene Chloride	75-09-2	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	100
trans-1,2-Dichloroethene	156-60-5	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	300
1,1-Dichloroethane	75-34-3	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	200
Cyclohexane	110-82-7	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
2-Butanone	78-93-3	55 U	57 U	59 U	57 U	58 U	60 U	54 U	55 U	59 U	55 U	300
Carbon Tetrachloride	56-23-5	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	600
cis-1,2-Dichloroethene	156-59-2	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
Chloroform	67-66-3	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	300
1,1,1-Trichloroethane	71-55-6	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	800
Methylcyclohexane	108-87-2	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
Benzene	71-43-2	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	60 or MDL
1,2-Dichloroethane	107-06-2	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	100
Trichloroethene	79-01-6	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	700
1,2-Dichloropropane	78-87-5	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
Bromodichloromethane	75-27-4	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
4-Methyl-2-Pentanone	108-10-1	55 U	57 U	59 U	57 U	58 U	60 U	54 U	55 U	59 U	55 U	1,000
Toluene	108-88-3	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	1,500
t-1,3-Dichloropropene	10061-02-6	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
cis-1,3-Dichloropropene	10061-01-5	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
1,1,2-Trichloroethane	79-00-5	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
2-Hexanone	591-78-6	55 U	57 U	59 U	57 U	58 U	60 U	54 U	55 U	59 U	55 U	10,000 *
Dibromochloromethane	124-48-1	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
1,2-Dibromoethane	106-93-4	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
Tetrachloroethene	127-18-4	**1.5** J	11 UJ	12 UJ	11 UJ	12 U	**1.3** J	11 UJ	11 UJ	12 UJ	11 U	1,400

TABLE 8
SUMMARY OF TCL VOLATILE ORGANIC COMPOUNDS IN SOIL
399 Gregory Street
Rochester, NY

		AOC 1										
Sample ID		**GR-B200-S**	**GR-B201-S**	**GR-B202-S**	**GR-B203-S**	**GR-B204-S**	**GR-B205-S**	**GR-B206-S**	**GR-B207-S**	**GR-B208-S**	**GR-B209-S**	**NYSDEC Recommeded Soil Cleanup Objectives [1]**
Lab Sample Number		**T4080-12**	**T4080-09**	**T4080-06**	**T4080-03**	**T4080-01**	**T4080-02**	**T4080-04**	**T4080-05**	**T4080-13**	**T4091-01**	
Sampling Date		**08/04/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/04/05**	**08/05/05**	
Sample Depth		**8-12'**	**8-12'**	**12-15'**	**4-8'**	**12-16'**	**4-8'**	**8-12'**	**0-4'**	**8-12'**	**12-15'**	
Matrix		**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	
Dilution Factor		**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	
Units	**CAS #**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**
Chlorobenzene	108-90-7	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	1,700
Ethyl Benzene	100-41-4	**1.4** J	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	5,500
m/p-Xylenes	136777-61-2	**2.1** J	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	1,200 **
o-Xylene	95-47-6	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	1,200 **
Styrene	100-42-5	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
Bromoform	75-25-2	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
Isopropylbenzene	98-82-8	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	2,300
1,1,2,2-Tetrachloroethane	79-34-5	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	600
1,3-Dichlorobenzene	541-73-1	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	1,600
1,4-Dichlorobenzene	106-46-7	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	8,500
1,2-Dichlorobenzene	95-50-1	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	7,900
1,2-Dibromo-3-Chloropropane	96-12-8	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	10,000 *
1,2,4-Trichlorobenzene	120-82-1	11 U	11 U	12 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U	3,400
Total TICs		0	0	0	**6.6** JN	0	**3,080**	0	0	0	0	10,000 *

Notes:
1. NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum, HWR 94-4046 (TAGM 4046). Revised July 2001.
2. All values expressed in micrograms per kilogram (ug/Kg), which is equivalent to parts per billion (ppb).
3. **Bold** values are concentrations that have been reported above the detection limits.
4. **Bold**, Underlined, and *Italicized* values are reported concentrations that exceed the NYSDEC recommended soil cleanup objective.
5. * = As per TAGM 4046, both individual VOCs and the sum of VOCs may not exceed 10,000 ug/Kg.
6. ** = total xylenes.
7. "U " indicates that the concentration is below the detection limit.
8. "J" = indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
9. "N" = indicates presumptive evidence of a compound. It applies to all TIC results.
10. MDL = Metal Detection Limit.

TABLE 8
SUMMARY OF TCL VOLATILE ORGANIC COMPOUNDS IN SOIL
399 Gregory Street
Rochester, NY

		AOC 1		AOC 2							
Sample ID		**GR-B210-S**	**GR-B211-S**	**GR-B212-S**	**GR-B213-S**	**GR-B214-S**	**GR-XX-S-DUP**	**GR-B215-S**	**GR-B216-S**	**GR-B217-S**	**NYSDEC Recommeded Soil Cleanup Objectives [1]**
Lab Sample Number		**T4080-19**	**T4091-02**	**T4080-16**	**T4080-14**	**T4080-10**	**T4080-11**	**T4080-17**	**T4080-18**	**T4080-15**	
Sampling Date		**08/04/05**	**08/05/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	
Sample Depth		**4-8'**	**4-8'**	**8-12'**	**0-4'**	**0-4'**	**0-4'**	**4-8'**	**0-4'**	**0-4'**	
Matrix		**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	
Dilution Factor		**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	
Units	**CAS #**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**
Dichlorodifluoromethane	75-71-8	11 UJ	1.0 U	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	11 UJ	10,000 *
Chloromethane	74-87-3	11 U	2.1 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
Vinyl Chloride	75-01-4	11 U	1.1 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	200
Bromomethane	74-83-9	11 U	1.2 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
Chloroethane	75-00-3	11 U	1.5 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	1,900
Trichlorofluoromethane	75-69-4	11 U	1.5 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
1,1,2-Trichlorotrifluoroethane	76-13-1	11 U	1.4 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
1,1-Dichloroethene	75-35-4	11 U	1.3 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	400
Acetone	67-64-1	11 U	12 U	**1.4** J	59 U	**130**	***230***	62 U	60 U	56 U	200
Carbon Disulfide	75-15-0	11 UJ	1.5 U	12 UJ	**1.9** J	**4.0** J	**5.1** J	12 UJ	12 UJ	**1.8** J	2,700
Methyl tert-butyl Ether	1634-04-4	11 U	1.1 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	120
Methyl Acetate	79-20-9	11 U	1.3 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
Methylene Chloride	75-09-2	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	100
trans-1,2-Dichloroethene	156-60-5	11 U	1.3 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	300
1,1-Dichloroethane	75-34-3	11 U	1.1 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	200
Cyclohexane	110-82-7	11 U	1.6 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
2-Butanone	78-93-3	53 U	6.4 U	59 U	59 U	**18** J	**33** J	62 U	60 U	56 U	300
Carbon Tetrachloride	56-23-5	11 U	2.5 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	600
cis-1,2-Dichloroethene	156-59-2	11 U	1.1 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
Chloroform	67-66-3	11 U	1.1 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	300
1,1,1-Trichloroethane	71-55-6	11 U	1.2 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	800
Methylcyclohexane	108-87-2	11 U	1.1 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
Benzene	71-43-2	11 U	1.2 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	60 or MDL
1,2-Dichloroethane	107-06-2	11 U	1.3 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	100
Trichloroethene	79-01-6	11 U	1.2 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	700
1,2-Dichloropropane	78-87-5	11 U	0.93 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
Bromodichloromethane	75-27-4	11 U	0.97 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
4-Methyl-2-Pentanone	108-10-1	53 U	4.8 U	59 U	59 U	59 U	58 U	62 U	60 U	56 U	1,000
Toluene	108-88-3	11 U	1.3 U	12 U	**1.3** J	**1.3** J	12 U	12 U	**4.3** J	**1.2** J	1,500
t-1,3-Dichloropropene	10061-02-6	11 U	1.2 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
cis-1,3-Dichloropropene	10061-01-5	11 U	1.1 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
1,1,2-Trichloroethane	79-00-5	11 U	1.4 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
2-Hexanone	591-78-6	53 U	7.1 U	59 U	59 U	59 U	58 U	62 U	60 U	56 U	10,000 *
Dibromochloromethane	124-48-1	11 U	1.0 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
1,2-Dibromoethane	106-93-4	11 U	1.2 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
Tetrachloroethene	127-18-4	11 UJ	1.4 U	12 UJ	12 UJ	**1.9** J	12 UJ	12 UJ	12 U	**2.0** J	1,400

TABLE 8
SUMMARY OF TCL VOLATILE ORGANIC COMPOUNDS IN SOIL
399 Gregory Street
Rochester, NY

		AOC 1		AOC 2							
Sample ID		**GR-B210-S**	**GR-B211-S**	**GR-B212-S**	**GR-B213-S**	**GR-B214-S**	**GR-XX-S-DUP**	**GR-B215-S**	**GR-B216-S**	**GR-B217-S**	**NYSDEC Recommeded**
Lab Sample Number		**T4080-19**	**T4091-02**	**T4080-16**	**T4080-14**	**T4080-10**	**T4080-11**	**T4080-17**	**T4080-18**	**T4080-15**	**Soil Cleanup**
Sampling Date		**08/04/05**	**08/05/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**Objectives [1]**
Sample Depth		**4-8'**	**4-8'**	**8-12'**	**0-4'**	**0-4'**	**0-4'**	**4-8'**	**0-4'**	**0-4'**	
Matrix		**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	
Dilution Factor		**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	
Units	**CAS #**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**
Chlorobenzene	108-90-7	11 U	1.3 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	1,700
Ethyl Benzene	100-41-4	11 U	1.3 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	5,500
m/p-Xylenes	136777-61-2	11 U	3.3 U	12 U	12 U	12 U	12 U	12 U	12 U	1.3 J	1,200 **
o-Xylene	95-47-6	11 U	1.3 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	1,200 **
Styrene	100-42-5	11 U	1.7 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
Bromoform	75-25-2	11 U	1.3 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
Isopropylbenzene	98-82-8	11 U	1.3 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	2,300
1,1,2,2-Tetrachloroethane	79-34-5	11 U	1.2 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	600
1,3-Dichlorobenzene	541-73-1	11 U	1.2 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	1,600
1,4-Dichlorobenzene	106-46-7	11 U	1.0 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	8,500
1,2-Dichlorobenzene	95-50-1	**27**	1.1 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	7,900
1,2-Dibromo-3-Chloropropane	96-12-8	11 U	1.2 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	10,000 *
1,2,4-Trichlorobenzene	120-82-1	11 U	1.7 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	3,400
Total TICs		**799**	**78.6**	**29.5**	**1,621**	**2,290**	**1,990**	0	0	**1,930**	10,000 *

Notes:
1. NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum, HWR 94-4046 (TAGM 4046). Revised July 2001.
2. All values expressed in micrograms per kilogram (ug/Kg), which is equivalent to parts per billion (ppb).
3. **Bold** values are concentrations that have been reported above the detection limits.
4. **Bold**, Underlined, and *Italicized* values are reported concentrations that exceed the NYSDEC recommended soil cleanup objective.
5. * = As per TAGM 4046, both individual VOCs and the sum of VOCs may not exceed 10,000 ug/Kg.
6. ** = total xylenes.
7. "U " indicates that the concentration is below the detection limit.
8. "J" = indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
9. GR-XX-S-DUP is a duplicate of GR-B214-S.
10. MDL = Metal Detection Limit.

TABLE 9
SUMMARY OF TCL SEMI-VOLATILE ORGANIC COMPOUNDS IN SOIL
399 Gregory Street
Rochester, NY

Sample ID		AOC 2							NYSDEC Recommeded Soil Cleanup Objectives [1]
Lab Sample Number		GR-B212-S	GR-B213-S	GR-B214-S	GR-XX-S-DUP	GR-B215-S	GR-B216-S	GR-B217-S	
Sampling Date		T4080-16	T4080-14	T4080-10	T4080-11	T4080-17	T4080-18	T4080-15	
Sample Depth		08/03/05	08/03/05	08/03/05	08/03/05	08/03/05	08/03/05	08/03/05	
Matrix		8-12'	0-4'	0-4'	0-4'	4-8'	0-4'	0-4'	
Dilution Factor		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Units	CAS #	1	1	1	1	1	1	1	
		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Benzaldehyde	100-52-7	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
Phenol	108-95-2	390 U	390 U	390 U	380 U	410 U	400 U	370 U	30 or MDL
bis(2-Chloroethyl)ether	111-44-4	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
2-Chlorophenol	95-57-8	390 U	390 U	390 U	380 U	410 U	400 U	370 U	800
2-Methylphenol	95-48-7	390 U	390 U	390 U	380 U	410 U	400 U	370 U	100 or MDL
2,2-oxybis(1-Chloropropane)	108-60-1	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
Acetophenone	98-86-2	390 U	**81** J	**120** J	**92** J	410 U	**65** J	**63** J	50,000 *
3+4-Methylphenols	106-44-5	390 U	390 U	390 U	380 U	410 U	400 U	370 U	900
N-Nitroso-di-n-propylamine	621-64-7	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
Hexachloroethane	67-72-1	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
Nitrobenzene	98-95-3	390 U	390 U	390 U	380 U	410 U	400 U	370 U	200 or MDL
Isophorone	78-59-1	390 U	390 U	390 U	380 U	410 U	400 U	370 U	4,400
2-Nitrophenol	88-75-5	390 U	390 U	390 U	380 U	410 U	400 U	370 U	330 or MDL
2,4-Dimethylphenol	105-67-9	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
bis(2-Chloroethoxy)methane	111-91-1	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
2,4-Dichlorophenol	120-83-2	390 U	390 U	390 U	380 U	410 U	400 U	370 U	400
Naphthalene	91-20-3	390 U	390 U	390 U	380 U	410 U	400 U	370 U	13,000
4-Chloroaniline	106-47-8	390 U	390 U	390 U	380 U	410 U	400 U	370 U	220 or MDL
Hexachlorobutadiene	87-68-3	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
Caprolactam	105-60-2	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
4-Chloro-3-methylphenol	59-50-7	390 U	390 U	390 U	380 U	410 U	400 U	370 U	240 or MDL
2-Methylnaphthalene	91-57-6	390 U	**50** J	**92** J	**91** J	410 U	400 U	**79** J	36,400
Hexachlorocyclopentadiene	77-47-4	390 UJ	390 UJ	390 UJ	380 UJ	410 UJ	400 UJ	370 UJ	50,000 *
2,4,6-Trichlorophenol	88-06-2	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
2,4,5-Trichlorophenol	95-95-4	980 U	970 U	970 U	960 U	1000 U	1000 U	940 U	100
1,1-Biphenyl	92-52-4	390 U	390 U	**48** J	**46** J	410 U	400 U	**44** J	50,000 *
2-Chloronaphthalene	91-58-7	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
2-Nitroaniline	88-74-4	980 U	970 U	970 U	960 U	1000 U	1000 U	940 U	430 or MDL
Dimethylphthalate	131-11-3	390 U	390 U	390 U	380 U	410 U	400 U	370 U	2,000
Acenaphthylene	208-96-8	390 U	390 U	390 U	380 U	410 U	400 U	370 U	41,000
2,6-Dinitrotoluene	606-20-2	390 U	390 U	390 U	380 U	410 U	400 U	370 U	1,000
3-Nitroaniline	99-09-2	980 U	970 U	970 U	960 U	1000 U	1000 U	940 U	500 or MDL
Acenaphthene	83-32-9	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
2,4-Dinitrophenol	51-28-5	980 U	970 U	970 U	960 U	1000 U	1000 U	940 U	200 or MDL
4-Nitrophenol	100-02-7	980 U	970 U	970 U	960 U	1000 U	1000 U	940 U	100 or MDL
Dibenzofuran	132-64-9	390 U	390 U	390 U	380 U	410 U	400 U	370 U	6,200
2,4-Dinitrotoluene	121-14-2	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
Diethylphthalate	84-66-2	390 U	390 U	390 U	380 U	410 U	400 U	370 U	7,100

TABLE 9
SUMMARY OF TCL SEMI-VOLATILE ORGANIC COMPOUNDS IN SOIL
399 Gregory Street
Rochester, NY

		AOC 2							
Sample ID		**GR-B212-S**	**GR-B213-S**	**GR-B214-S**	**GR-XX-S-DUP**	**GR-B215-S**	**GR-B216-S**	**GR-B217-S**	**NYSDEC Recommeded Soil Cleanup Objectives [1]**
Lab Sample Number		**T4080-16**	**T4080-14**	**T4080-10**	**T4080-11**	**T4080-17**	**T4080-18**	**T4080-15**	
Sampling Date		**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	**08/03/05**	
Sample Depth		**8-12'**	**0-4'**	**0-4'**	**0-4'**	**4-8'**	**0-4'**	**0-4'**	
Matrix		**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	
Dilution Factor		**1**	**1**	**1**	**1**	**1**	**1**	**1**	
Units	**CAS #**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**
4-Chlorophenyl-phenylether	7005-72-3	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
Fluorene	86-73-7	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
4-Nitroaniline	100-01-6	980 U	970 U	970 U	960 U	1000 U	1000 U	940 U	50,000 *
4,6-Dinitro-2-methylphenol	534-52-1	980 U	970 U	970 U	960 U	1000 U	1000 U	940 U	50,000 *
N-Nitrosodiphenylamine	86-30-6	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
4-Bromophenyl-phenylether	101-55-3	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
Hexachlorobenzene	118-74-1	390 U	390 U	390 U	380 U	410 U	400 U	370 U	410
Atrazine	1912-24-9	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
Pentachlorophenol	87-86-5	980 U	970 U	970 U	960 U	1000 U	1000 U	940 U	1,000 or MDL
Phenanthrene	85-01-8	390 U	**210** J	**250** J	**220** J	410 U	**88** J	**350** J	50,000 *
Anthracene	120-12-7	390 U	**48** J	390 U	380 U	410 U	400 U	370 U	50,000 *
Carbazole	86-74-8	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
Di-n-butylphthalate	84-74-2	390 U	390 U	390 U	380 U	410 U	400 U	370 U	8,100
Fluoranthene	206-44-0	390 U	**370** J	**220** J	**170** J	410 U	**190** J	**290** J	50,000 *
Pyrene	129-00-0	390 U	**270** J	**160** J	**120** J	410 U	**160** J	**180** J	50,000 *
Butylbenzylphthalate	85-68-7	390 U	390 U	390 U	380 U	410 U	**110** J	370 U	50,000 *
3,3-Dichlorobenzidine	91-94-1	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
Benzo(a)anthracene	56-55-3	390 U	**160** J	**83** J	**65** J	410 U	**100** J	**130** J	224 or MDL
Chrysene	218-01-9	390 U	**150** J	**86** J	**69** J	410 U	**96** J	**130** J	400
bis(2-Ethylhexyl)phthalate	117-81-7	390 U	**45** J	**62** J	**65** J	410 U	**47** J	370 U	50,000 *
Di-n-octyl phthalate	117-84-0	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
Benzo(b)fluoranthene	205-99-2	390 U	**270** J	**170** J	**110** J	410 U	**140** J	**170** J	1,100
Benzo(k)fluoranthene	207-08-9	390 U	**110** J	**52** J	**47** J	410 U	**81** J	**86** J	1,100
Benzo(a)pyrene	50-32-8	390 U	***170*** J	***96*** J	***64*** J	410 U	***110*** J	***110*** J	61 or MDL
Indeno(1,2,3-cd)pyrene	193-39-5	390 U	390 U	390 U	380 U	410 U	400 U	370 U	3,200
Dibenz(a,h)anthracene	53-70-3	390 U	390 U	390 U	380 U	410 U	400 U	370 U	14 or MDL
Benzo(g,h,i)perylene	191-24-2	390 U	390 U	390 U	380 U	410 U	400 U	370 U	50,000 *
Total TICs		**2,500**	**12,590**	**18,880**	**19,240**	**2,692**	**1,014**	**22,470**	500,000 *

Notes:
1. NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum, HWR 94-4046 (TAGM 4046). Revised July 2001.
2. All values expressed in micrograms per kilogram (ug/Kg), which is equivalent to parts per billion (ppb).
3. **Bold** values are concentrations that have been reported above the detection limits.
4. **Bold**, Underlined, and *Italicized* values are reported concentrations that exceed the NYSDEC recommended soil cleanup objective.
5. * = As per TAGM 4046, individual SVOCs may not exceed 50,000 ug/Kg and total SVOCs may not exceed 500,000 ug/Kg.
6. "U " indicates that the concentration is below the detection limit.
7. "J" = indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
8. GR-XX-S-DUP is a duplicate of GR-B214-S.
9. MDL = Metal Detection Limit.

TABLE 10
SUMMARY OF TAL METALS IN SOIL
399 Gregory Street
Rochester, NY

Sample ID		AOC 2							Eastern USA Background Range	NYSDEC Recommeded Soil Cleanup Objectives [1]
Lab Sample Number		GR-B212-S T4080-16	GR-B213-S T4080-14	GR-B214-S T4080-10	GR-XX-S-DUP T4080-11	GR-B215-S T4080-17	GR-B216-S T4080-18	GR-B217-S T4080-15		
Sampling Date		08/03/05	08/03/05	08/03/05	08/03/05	08/03/05	08/03/05	08/03/05		
Sample Depth		8-12'	0-4'	0-4'	0-4'	4-8'	0-4'	0-4'		
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	CAS #	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	7429-90-5	**1,920**	**7,390**	**5,930**	**5,260**	**3,310**	**7,630**	**4,940**	3,300	SB
Antimony	7440-36-0	**14.0** NJ	**13.9** NJ	**1.2** NJ	**14.0** NJ	**14.5** NJ	**14.4** NJ	**13.6** NJ	NA	SB
Arsenic	7440-38-2	**0.51** NEJ	**5.8** NEJ	**10.6** NEJ	**10.1** NEJ	**1.7** NEJ	**11.0** NEJ	**8.3** NEJ	3-12	7.5 or SB
Barium	7440-39-3	**14.8** NJ	**130** NJ	**157** NJ	**135** NJ	**26.5** NJ	**165** NJ	**125** NJ	15-600	300 or SB
Beryllium	7440-41-7	**0.09** NJ	**0.39** NJ	**0.60** NJ	**0.38** NJ	**0.17** NJ	**0.55** NJ	**0.31** NJ	0-1.75	0.16 (Heast) or SB
Cadmium	7440-43-9	***1.2*** *NJ*	***7.3*** NJ	**0.26** NJ	**0.47** NJ	***1.2*** *NJ*	**1.0** NJ	**0.25** NJ	0.1-1	1 or SB
Calcium	7440-70-2	**28,800**	**13,800**	**17,600**	**25,100**	**29,300**	**8,990**	**19,800**	130-35,000	SB
Chromium	7440-47-3	**2.8** NJ	**9.9** NJ	**10.6** NJ	**8.3** NJ	**5.0** NJ	**11.0** NJ	**7.7** NJ	1.5-40	10 or SB
Cobalt	7440-48-4	**1.9** NJ	**5.1** NJ	**6.8** NJ	**5.4** NJ	**4.1** NJ	**5.9** NJ	**5.1** NJ	2.5-60	30 or SB
Copper	7440-50-8	**7.8**	**37.8**	***87.5***	***231***	**10.5**	***905***	***99.9***	1-50	25 or SB
Iron	7439-89-6	**4,440**	**11,500**	**17,200**	**10,900**	**8,300**	**13,700**	**10,800**	2,000-550,000	2,000 or SB
Lead	7439-92-1	**3.1**	**238**	**295**	**306**	**5.4**	**402**	***588***	200-500 urban	SB *
Magnesium	7439-95-4	***6,430***	**4,990**	***6,070***	***12,900***	***9,390***	**2,840**	***6,660***	100-5,000	SB
Manganese	7439-96-5	**170**	**197**	**347**	**307**	**234**	**269**	**254**	100-5,000	SB
Mercury	7439-97-6	**0.118** NJ	***0.316*** NJ	***0.363*** NJ	***0.365*** NJ	**0.123** NJ	***0.787*** NJ	**0.185** NJ	0.001-0.2	0.1
Nickel	7440-02-0	**3.4** NJ	**9.6** NJ	**10.9** NJ	**10.2** NJ	**8.2** NJ	**13.0** NJ	**8.8** NJ	0.5-25	13 or SB
Potassium	7440-09-7	**497** EJ	**709** EJ	**762** EJ	**771** EJ	**624** EJ	**722** EJ	**757** EJ	8,000-8,500	SB
Selenium	7782-49-2	***8.2*** *NJ*	**1.2** NJ	**1.4** NJ	**0.98** NJ	***8.4*** *NJ*	**1.4** NJ	**1.1** NJ	0.1-3.9	2 or SB
Silver	7440-22-4	**2.3** NJ	**2.3** NJ	**2.3** NJ	**2.3** NJ	**2.4** NJ	**2.4** NJ	**2.3** NJ	NA	SB
Sodium	7440-23-5	**1,160**	**265**	**309**	**335**	**1,210**	**132**	**686**	6,000-8,000	SB
Thallium	7440-28-0	**5.8** NJ	***5.8*** *NJ*	***5.8*** *NJ*	**5.8** NJ	**6.0** NJ	**6.0** NJ	**5.7** NJ	NA	SB
Vanadium	7440-62-2	**4.6** NJ	**17.6** NJ	**29.2** NJ	**16.7** NJ	**7.3** NJ	**24.6** NJ	**13.3** NJ	1-300	150 or SB
Zinc	7440-66-6	**17.7** NJ	***121*** NJ	***183*** NJ	***187*** NJ	**30.0** NJ	***395*** NJ	***220*** NJ	9-50	20 or SB

Notes:
1. NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum, HWR 94-4046 (TAGM 4046) Revised July 2001.
2. mg/Kg = all values expressed in milligrams per kilogram (mg/Kg), which are equivalent to parts per million (ppm).
3. **Bold-faced** values are concentrations that have been reported above the detection limits.
4. **Bold-faced,** Underlined, and *Italicized* values are reported concentrations that exceed both the NYSDEC recommended soil cleanup objective and Eastern USA background ranges.
5. * = Rural lead averages 4 - 61 mg/Kg; urban lead averages 200 - 500 mg/Kg.
6. SB = Site Background.
7. "J" = indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
8. "N" = Spiked sample recovery not within control limits.
9. "E" = The reported value is estimated because of the presence of interference.
10. GR-XX-S-DUP is a duplicate of GR-B214-S.

TABLE 11
SUMARY OF TCL PCBs IN SOIL
399 Gregory Street
Rochester, NY

Sample ID		AOC 2							
		GR-B212-S	GR-B213-S	GR-B214-S	GR-XX-S-DUP	GR-B215-S	GR-B216-S	GR-B217-S	NYSDEC Recommended Soil Cleanup Objectives (1)
Lab Sample Number		T4080-16	T4080-14	T4080-10	T4080-11	T4080-17	T4080-18	T4080-15	
Sampling Date		08/03/05	08/03/05	08/03/05	08/03/05	08/03/05	08/03/05	08/03/05	
Sample Depth		8-12'	0-4'	0-4'	0-4'	4-8'	0-4'	0-4'	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	CAS #	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Aroclor-1016	12674-11-2	39 U	39 U	39 U	38 U	41 U	40 U	37 U	1,000 (Surface); 10,000 (Subsurface)
Aroclor-1221	11104-28-2	79 U	79 U	79 U	78 U	83 U	81 U	76 U	1,000 (Surface); 10,000 (Subsurface)
Aroclor-1232	11141-16-5	39 U	39 U	39 U	38 U	41 U	40 U	37 U	1,000 (Surface); 10,000 (Subsurface)
Aroclor-1242	53469-21-9	39 U	39 U	39 U	38 U	41 U	40 U	37 U	1,000 (Surface); 10,000 (Subsurface)
Aroclor-1248	12672-29-6	39 U	39 U	39 U	38 U	41 U	40 U	37 U	1,000 (Surface); 10,000 (Subsurface)
Aroclor-1254	11097-69-1	39 U	39 U	39 U	38 U	41 U	40 U	37 U	1,000 (Surface); 10,000 (Subsurface)
Aroclor-1260	11096-82-5	39 U	39 U	39 U	38 U	41 U	40 U	37 U	1,000 (Surface); 10,000 (Subsurface)

Notes:
1. NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum, HWR 94-4046 (TAGM 4046). Revised July 2001.
2. ug/Kg = All values expressed in micrograms per kilogram (ug/Kg), which is equivalent to parts per billion (ppb).
3. **Bold-faced** values are concentrations that have been *reported* above the detection limits.
4. **Bold-faced,** Underlined**,** and *Italicized* values are reported concentrations that exceed the NYSDEC recommended soil cleanup objective.
5. "U " indicates that the concentration is below the detection limit.
6. GR-XX-S-DUP is a duplicate of GR-B214-S.

TABLE 12
HISTORICAL SUMMARY OF DETECTED TCL VOLATILE ORGANIC COMPOUNDS IN SOIL: 2000-2002 and 2005
399 Gregory Street
Rochester, NY

Sample ID	2000-2002 NYSDEC SITE INVESTIGATION (ug/Kg)																	NYSDEC Recommeded
Sample Depth (ft. bgs)	B-1 9-10'	B-1 10-11'	B-1 12-14'	B-1 (dup) 12-14'	B-1 16-17.5'	B-4 6-8'	MW-105 6-8'	MW-107 8-10'	MW-107 12-14'	MW-108 6-8'	MW-109 6-8'	MW-110 8-10'	MW-111 8-10'	MW-112 6-8'	MW-112 12-14'	MW-113 6-8'	MW-115 6-8'	Soil Cleanup Objectives (ug/Kg)
Acetone					**18**		**21** BJ	**16** BJ	**13** BJ	**5**	**9** BJ	**12** BJ	**6** BJ	**25** B	**15** B	**6**	**4** JB	200
Benzene																	**4** J	60 or MDL
Ethyl Benzene	**50** J				**10** J													5,500
Isopropylbenzene	**11** J				**2** J													2,300
Methyl tert-butyl Ether																	**8** J	120
Methylene Chloride	**55** JB	**48** JB		**47** JB														100
Toluene													**31** J				**29** J	1,500
Trichloroethene							**10** J			**6**								700
1,2,4 Trimethylbenzene													**4** J				**4** J	10,000*
m/p-Xylenes					**12**			**9** J					**43** J				**39** J	1,200 **
Total TICs	**7,550**	***10,640***	**139**	**5,510**	**1,064**	**6**	**4**						**7**		**15**			10,000*

Notes:
1. NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum, HWR 94-4046 (TAGM 4046). Revised July 2001.
2. All values expressed in micrograms per kilogram (ug/Kg), which is equivalent to parts per billion (ppb).
3. **Bold** values are concentrations that have been reported above the detection limits.
4. **Bold**, Underlined, and *Italicized* values are reported concentrations that exceed the NYSDEC recommended soil cleanup objective.
5. * = As per TAGM 4046, both individual VOCs and the sum of VOCs may not exceed 10,000 ug/Kg.
6. ** = total xylenes.
7. Blank space = not detected.
8. "J" = indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
9. "B" = compound is identified in the associated blank.

TABLE 12
HISTORICAL SUMMARY OF DETECTED TCL VOLATILE ORGANIC COMPOUNDS IN SOIL: 2000-2002 and 2005
399 Gregory Street
Rochester, NY

	2005 REMEDIAL INVESTIGATION (ug/Kg)																			
	AOC 1												AOC 2							NYSDEC Recommeded Soil Cleanup Objectives (ug/Kg)
Sample ID Sample Depth (ft. bgs)	GR-B200-S 8-12'	GR-B201-S 8-12'	GR-B202-S 12-15'	GR-B203-S 4-8'	GR-B204-S 12-16'	GR-B205-S 4-8'	GR-B206-S 8-12'	GR-B207-S 0-4'	GR-B208-S 8-12'	GR-B209-S 12-15'	GR-B210-S 4-8'	GR-B211-S 4-8'	GR-B212-S 8-12'	GR-B213-S 0-4'	GR-B214-S 0-4'	GR-XX-S-DUP 0-4'	GR-B215-S 4-8'	GR-B216-S 0-4'	GR-B217-S 0-4'	
Acetone	**11** J				11 J	27 J	**18** J		15 J		20 J	9.5 J	1.4 J		130	***230***				200
2-Butanone															18 J	33 J				300
Carbon Disulfide	**1.3** J						1.3 J		3.6 J					1.9 J	4 J	5.1 J			1.8 J	2,700
1,2-Dichlorobenzene											27									7,900
Ethyl Benzene	**1.4** J																			5,500
Methylene Chloride	**3.0** JB	**3.9** JB	**3.4** JB	**3.5** JB	**2.3** JB	**3.0** JB	**4.2** JB	**3.2** JB	**3.1** JB	**3.7** JB	**4.0** JB	**2.5** JB	**4.4** JB	**10** JB	**3.6** JB	**3.3** JB	**2.8** JB	**5.6** JB	**7.3** J	100
Tetrachloroethene	**1.5** J					1.3 J									1.9 J				**2.0** J	1,400
Toluene														1.3 J	1.3 J			4.3 J	**1.2** J	1,500
m/p-Xylenes	**2.1** J																		1.3 J	1,200 **
Total TICs				**6.6**		**3,080**					**799**	**78.6**	**29.5**	**1,621**	**2,290**	**1,990**			**1,930**	10,000*

Notes:
1. NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum, HWR 94-4046 (TAGM 4046). Revised July 2001.
All values expressed in micrograms per kilogram (ug/Kg), which is equivalent to parts per billion (ppb).
Bold values are concentrations that have been reported above the detection limits.
4. **Bold**, Underlined, and *Italicized* values are reported concentrations that exceed the NYSDEC recommended soil cleanup objective.
5. * = As per TAGM 4046, both individual VOCs and the sum of VOCs may not exceed 10,000 ug/Kg.
6. ** = total xylenes.
7. Blank space = not detected.
8. "J" = indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
9. "B" = compound is identified in the associated blank.
10. GR-XX-S-DUP is a duplicate of GR-B214-S.

TABLE 13
HISTORICAL SUMMARY OF DETECTED SEMI-VOLATILE ORGANIC COMPOUNDS IN SOIL: 2000-2002 and 2005
399 Gregory Street
Rochester, NY

Sample ID Sample Depth	2000-2002 NYSDEC SITE INVESTIGATION (ug/Kg) MW-109 6-8'	 MW-110 6-8'	 MW-110 8-10'	 MW-111 8-10'	 MW-115 6-8'	 MW-116 8-11'	NYSDEC Recommended Soil Cleanup Ojectives (ug/Kg)
Benzo(a)anthracene						**119** J	224 or MDL
bis(2-Ethylhexyl)phthalate	**150** B	**480** B	**450** B	**340** B	**520** B	**457**	50,000 *
Chrysene						**134** J	400
Fluoranthene						**201**	50,000 *
Naphthalene						***17,372***	13,000
Phenanthrene						**366**	50,000 *
Pyrene						**237**	50,000 *
Total TICs							50,000*

Notes:
1. NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum, HWR 94-4046 (TAGM 4046). Revised July 2001.
2. All values expressed in micrograms per kilogram (ug/Kg), which is equivalent to parts per billion (ppb).
3. **Bold** values are concentrations that have been reported above the detection limits.
4. **Bold**, Underlined, and *Italicized* values are reported concentrations that exceed the NYSDEC recommended soil cleanup objective.
5. * = As per TAGM 4046, individual SVOCs may not exceed 50,000 ug/Kg and total SVOCs may not exceed 500,000 ug/Kg.
6. Blank space = not detected.
7. "J" = indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
8. "B" = compound is identified in the associated blank.

TABLE 13
HISTORICAL SUMMARY OF DETECTED SEMI-VOLATILE ORGANIC COMPOUNDS IN SOIL: 2000-2002 and 2005
399 Gregory Street
Rochester, NY

	2005 Remedial Investigation (ug/Kg)							NYSDEC Recommended Soil Cleanup Ojectives (ug/Kg)
	AOC 2							
Sample ID	**GR-B212-S**	**GR-B213-S**	**GR-B214-S**	**GR-XX-S-DUP**	**GR-B215-S**	**GR-B216-S**	**GR-B217-S**	
Sample Depth	**0-4'**	**0-4'**	**0-4'**	**0-4'**	**0-4'**	**0-4'**	**0-4'**	
Acetophenone		**81** J	**120** J	**92** J		**65** J	**63** J	50,000 *
Anthracene		**48** J						50,000 *
Benzo(a)anthracene		**160** J	**83** J	**65** J		**100** J	**130** J	224 or MDL
Benzo(a)pyrene		***170*** J	***96*** J	***64*** J		***110*** J	***110*** J	*61 or MDL*
Benzo(b)fluoranthene		**270** J	**170** J	**110** J		**140** J	**170** J	1,100
Benzo(k)fluoranthene		**110** J	**52** J	**47** J		**81** J	**86** J	1,100
1,1-Biphenyl			**48** J	**46** J			**44** J	50,000 *
bis(2-Ethylhexyl)phthalate		**45** J	**62** J	**65** J		**47** J		50,000 *
Butylbenzylphthalate						**110** J		50,000 *
Chrysene		**150** J	**86** J	**69** J		**96** J	**130** J	400
Fluoranthene		**370** J	**220** J	**170** J		**190** J	**290** J	50,000 *
2-Methylnaphthalene		**50** J	**92** J	**91** J			**79** J	36,400
Phenanthrene		**210** J	**250** J	**220** J		**88** J	**350** J	50,000 *
Pyrene		**270** J	**160** J	**120** J		**160** J	**180** J	50,000 *
Total TICs	**2,500**	**12,590**	**18,880**	**19,240**	**2,692**	**1,014**	**22,470**	50,000 *

Notes:
1. NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum, HWR 94-4046 (TAGM 4046). Revised July 2001.
2. All values expressed in micrograms per kilogram (ug/Kg), which is equivalent to parts per billion (ppb).
3. **Bold** values are concentrations that have been reported above the detection limits.
4. **Bold**, Underlined, and *Italicized* values are reported concentrations that exceed the NYSDEC recommended soil cleanup objective.
5. * = As per TAGM 4046, individual SVOCs may not exceed 50,000 ug/Kg and total SVOCs may not exceed 500,000 ug/Kg.
6. Blank space = not detected.
7. "J" = indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
8. GR-XX-S-DUP is a duplicate of GR-B214-S.

TABLE 14
HISTORICAL SUMMARY OF DETECTED TAL METALS IN SOIL: 2000-2002 and 2005
399 Gregory Street
Rochester, NY

Sample ID	2000-2002 NYSDEC SITE INVESTIGATION (mg/Kg)																			Eastern USA Background Range (mg/Kg)	NYSDEC Recommended Soil Cleanup Objectives (mg/Kg)
Soil Sample Depth	MW-105 6-8'	MW-105D 6-8'	MW-106 6-8'	MW-107 12-14'	MW-108 6-8'	MW-108D 6-8'	MW-109 6-8'	MW-110 6-8'	MW-110 8-10'	MW-111 8-10'	MW-112 6-8'	MW-112 12-14'	MW-113 6-8'	MW-114 8-11'	MW-115 6-8'	MW-115D 6-8'	MW116 8-11'	MW116D 8-11'D	MW-116 12-14'		
Aluminum	***3,860***	***3,890***	***5,670***	2,050	***5,950*** J	***5,870***	1,710	2,180	2,240	2,320	***3,350***	3,150	2,110 J	2,310	3,250	***3,630***	***6,640***	***6,230***	2,300	3,300	SB
Antimony	45.8 J	45.5 J		3.55 BJ	3.44 BJ	3.45	0.349 BJ			0.364 BJ	0.415 BJ		0.556 BJ		0.392 J					NA	SB
Arsenic	***110***	***112***	2.3	1.2	***12.4***	***12.5***	3.4	6.63	3.13	1.6	1.87	3.4	1.77	1.92	2.86	2.75	1.97	1.86	1.52	3-12	7.5 or SB
Barium	166	169	44.8	16.8	33.1	32.1	26.3	116	22.6	13.1 B	24.5	25.6	12 B	17.3	25.1	28	60.9	56.8	16.1	15-600	300 or SB
Beryllium	***3.2***	***3.26***	0.26 B	0.127 B	0.566	0.543	0.676	0.154 B	0.195 B	0.108 B	0.179 B	0.173 B		0.125 B	0.167 B	0.185 B	0.337 B	0.295 B	0.119 B	0-1.75	0.16 (Heast) or SB
Cadmium	***4.29***	***4.19***	0.385 B	0.954	0.511 B	0.351		***1.42***	***1.4***	0.778	0.157 B	***1.15***		0.302 B	***1.2***	***1.25***	0.642	0.52	0.258 B	0.1-1	1 or SB
Calcium	***92,500***	***94,500***	26,500 EJ	***86,600***	***40,300***	***41,300***	28600 EJ	***59,400*** EJ	27,600 EJ	25,100 EJ	24,300	***51,400***	20500	***53,000*** EJ	***35,100*** EJ	***37,200*** EJ	***47,400*** EJ	***44,300*** EJ	***65,100*** EJ	130-35,000	SB
Chromium	16.9	17	8.3	4.51	14.8	14.5	5.24	4.18	4.84	4.46	5.06	4.99	4.02	3.87	5.81	6.4	11	10.2	4.53	1.5-40	10 or SB
Cobalt	42.9 J	41.7 J	6.1 J	2.19 BJ	8.74 J	8.79	1.95 BJ	3.09 BJ	3.13 BJ	2.59 BJ	3.8 BJ	3.27 BJ	2.2 BJ	2.35 BJ	3.55 BJ	3.99 BJ	5.67 J	5.19 J	2.17 BJ	2.5-60	30 or SB
Copper	31.4 J	32.3 J	16	11.7 J	11.9	11.9	16.7	13	13.8	10.5	16.9 J	15 J	9.79	9.52	15.4	16.4	15.9	15	10.7	1-50	25 or SB
Iron	8,320	8,170	11,300	4,980	12,100 EJ	12,300 EJ	4,640 EJ	9,460 EJ	8,010 EJ	5,310 EJ	7,060	6,320	5360 EJ	6,600	7,580 EJ	8,000 EJ	13,400	12,400	7,340	2,000-550,000	2,000 or SB
Lead	46.6 J	46.3 J	6.38 J	4.91 J	14.6 J	14.2	3.24 J	5.91 J	10.6 J	3.67 J	7.98 J	7.77 J	6.58 J	5.87 J	6.42 J	7.12 J	7.45 J	7 J	4.99 J	200-500 urban *	SB *
Magnesium	***20,900***	***20,800***	***8,380***	***27,800***	***18,900*** EJ	***19,000*** EJ	***5,490*** EJ	***13,300*** EJ	***28,600*** EJ	***6,890*** EJ	***8,600***	***15,400***	***5,200*** EJ	***20,100***	***8,760*** EJ	***9,580*** EJ	***11,150***	***10,700***	***17,200***	100-5,000	SB
Manganese	511	516	313	295	296 EJ	296 EJ	246	487	298	204	239	282	178 EJ	232	256	293	283	268	243	100-5,000	SB
Mercury			0.044 J						***6.37*** J					0.062 J			0.058 J	0.05 J	0.041 J	0.001-0.2	0.1
Nickel	***44*** J	***43.3*** J	13.1 J	4.94 J	13.3 J	12.5	4.58 J	5.62 J		5.47 J	8.63 J	6.76 J	4.31 J	5.29 J	7.88 J	8.62 J	12.9 J	11.8 J	4.47 J	0.5-25	13 or SB
Potassium	2530 EJ	2510 EJ	1260	610 EJ	1160	1130	426	847	1500	485	589 EJ	806 EJ	401 B	797	612	675	1660	1540	738	8,000-8,500	SB
Selenium	***91.6*** EJ	***94.5*** EJ			***9*** J	***9.24***														0.1-3.9	2 or SB
Silver	2.94 J	3 J																		NA	SB
Sodium	1290 J	1,340 J	118 B	187 BJ	358 B	351	122 B	163 B	186 B	121 B	150 BJ	162 BJ	248 B	141 B	129 B	142 B	163 B	155 B	151 B	6,000-8,000	SB
Thallium	119	117		6.62	12	10.9	5.83	12.5	11.1	5.84	8.74	7.98		1.09	10.2	10.3	2.42	1.81	1.5	NA	SB
Vanadium	39.2	39.2	11.3	5.03 B	13.5	13.4	3.87 B	4.99 B	4.65 B	5.31	6.68	6.73	6.13	5.47	6.26	6.7	14.5	13.5	6.5	1-300	150 or SB
Zinc	***50.5***	49.1	27.1	14.9	37.4 EJ	37.7 EJ	13.7 EJ	13.2 EJ	16.7 EJ	12.5 EJ	21.4	***155***	14.6 EJ	11.9	20.7 EJ	22.8 EJ	24.1	23.3	12.8	9-50	20 or SB

Notes:
1. NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum, HWR 94-4046 (TAGM 4046) Revised July 2001.
2. mg/Kg = all values expressed in milligrams per kilogram (mg/Kg), which are equivalent to parts per million (ppm).
3. **Bold-faced** values are concentrations that have been reported above the detection limits.
4. **Bold-faced,** Underlined, and *Italicized* values are reported concentrations that exceed both the NYSDEC recommended soil cleanup objective and Eastern USA background ranges.
5. * = Rural lead averages 4 - 61 mg/Kg; urban lead averages 200 - 500 mg/Kg.
6. SB = Site Background.
7. Blank space = not detected.
8. "J" = *indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.*
9. "E" = reported value is estimated due to interference.
10. "B" = analyte is present in associated blank.

TABLE 14
HISTORICAL SUMMARY OF DETECTED TAL METALS IN SOIL: 2000-2002 and 2005
399 Gregory Street
Rochester, NY

Sample ID Soil Sample Depth	2005 REMEDIAL INVESTIGATION (mg/Kg) AOC 2 GR-B212-S 8-12'	GR-B213-S 0-4'	GR-B214-S 0-4'	GR-XX-S-*DUP* 0-4'	GR-B215-S 4-8'	GR-B216-S 0-4'	GR-B217-S 0-4'	Eastern USA Background Range (mg/Kg)	NYSDEC Recommended Soil Cleanup Objectives (mg/Kg)
Aluminum	1,920	7,390	5,930	5,260	3,310	7,630	4,940	3,300	SB
Antimony	14.0 NJ	13.9 NJ	1.2 NJ	14.0 NJ	14.5 NJ	14.4 NJ	13.6 NJ	NA	SB
Arsenic	0.51 NEJ	5.8 NEJ	10.6 NEJ	10.1 NEJ	1.7 NEJ	11.0 NEJ	8.3 NEJ	3-12	7.5 or SB
Barium	14.8 NJ	130 NJ	157 NJ	135 NJ	26.5 NJ	165 NJ	125 NJ	15-600	300 or SB
Beryllium	0.09 NJ	0.39 NJ	0.60 NJ	0.38 NJ	0.17 NJ	0.55 NJ	0.31 NJ	0-1.75	0.16 (Heast) or SB
Cadmium	1.2 NJ	7.3 NJ	0.26 NJ	0.47 NJ	1.2 NJ	1.0 NJ	0.25 NJ	0.1-1	1 or SB
Calcium	28,800	13,800	17,600	25,100	29,300	8,990	19,800	130-35,000	SB
Chromium	2.8 NJ	9.9 NJ	10.6 NJ	8.3 NJ	5.0 NJ	11.0 NJ	7.7 NJ	1.5-40	10 or SB
Cobalt	1.9 NJ	5.1 NJ	6.8 NJ	5.4 NJ	4.1 NJ	5.9 NJ	5.1 NJ	2.5-60	30 or SB
Copper	7.8	37.8	87.5	231	10.5	905	99.9	1-50	25 or SB
Iron	4,440	11,500	17,200	10,900	8,300	13,700	10,800	2,000-550,000	2,000 or SB
Lead	3.1	238	295	306	5.4	402	588	200-500 urban *	SB *
Magnesium	6,430	4,990	6,070	12,900	9,390	2,840	6,660	100-5,000	SB
Manganese	170	197	347	307	234	269	254	100-5,000	SB
Mercury	0.118 NJ	0.316 NJ	0.363 NJ	0.365 NJ	0.123 NJ	0.787 NJ	0.185 NJ	0.001-0.2	0.1
Nickel	3.4 NJ	9.6 NJ	10.9 NJ	10.2 NJ	8.2 NJ	13.0 NJ	8.8 NJ	0.5-25	13 or SB
Potassium	497 EJ	709 EJ	762 EJ	771 EJ	624 EJ	722 EJ	757 EJ	8,000-8,500	SB
Selenium	8.2 NJ	1.2 NJ	1.4 NJ	0.98 NJ	8.4 NJ	1.4 NJ	1.1 NJ	0.1-3.9	2 or SB
Silver	2.3 NJ	2.3 NJ	2.3 NJ	2.3 NJ	2.4 NJ	2.4 NJ	2.3 NJ	NA	SB
Sodium	1,160	265	309	335	1,210	132	686	6,000-8,000	SB
Thallium	5.8 NJ	5.8 NJ	5.8 NJ	5.8 NJ	6.0 NJ	6.0 NJ	5.7 NJ	NA	SB
Vanadium	4.6 NJ	17.6 NJ	29.2 NJ	16.7 NJ	7.3 NJ	24.6 NJ	13.3 NJ	1-300	150 or SB
Zinc	17.7 NJ	121 NJ	183 NJ	187 NJ	30.0 NJ	395 NJ	220 NJ	9-50	20 or SB

Notes:
1. NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum, HWR 94-4046 (TAGM 4046) Revised July 2001.
2. mg/Kg = all values expressed in milligrams per kilogram (mg/Kg), which are equivalent to parts per million (ppm).
3. **Bold-faced** values are concentrations that have been reported above the detection limits.
4. **Bold-faced,** Underlined, and *Italicized* values are reported concentrations that exceed both the NYSDEC recommended soil cleanup objective and Eastern USA background ranges.
5. * = Rural lead averages 4 - 61 mg/Kg; urban lead averages 200 - 500 mg/Kg.
6. SB = Site Background.
7. Blank space = not detected.
8. "J" = indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
9. "N" = sample spike recovery is not within control limits.
10. "E" = reported value is estimated because of interference.
11. GR-XX-S-DUP is a duplicate of GR-B214-S.

TABLE 15
SUMMARY OF TCL VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER
399 Gregory Street
Rochester, NY

Sample ID		AOC1								
		GR-MW101-GW	GR-MW101-LNAPL	GR-MW105-GW	GR-MW108-GW	GR-MW110-GW	GR-MW113-GW	GR-MW114-GW	GR-MW116-GW	NYSDEC Groundwater Standards and Guidance Values [1]
Lab Sample Number		T4138-03	T4138-02	T4138-04	T4091-03	T4138-05	T4138-14	T4138-10	T4091-04	
Sampling Date		08/08/05	08/08/05	08/08/05	08/05/05	08/08/05	08/09/05	08/09/05	08/05/05	
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	CAS #	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dichlorodifluoromethane	75-71-8	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Chloromethane	74-87-3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS
Vinyl Chloride	75-01-4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2
Bromomethane	74-83-9	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Chloroethane	75-00-3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Trichlorofluoromethane	75-69-4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
1,1,2-Trichlorotrifluoroethane	76-13-1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
1,1-Dichloroethene	75-35-4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Acetone	67-64-1	50 U	50 U	50 U	10 U	50 U	50 U	50 U	50 U	50 (G)
Carbon Disulfide	75-15-0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**0.91** J	60 (G)
Methyl tert-butyl Ether	1634-04-4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 (G)
Methyl Acetate	79-20-9	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS
Methylene Chloride	75-09-2	10 U	***8.0*** J	10 U	10 U	10 U	10 U	10 U	10 U	5
trans-1,2-Dichloroethene	156-60-5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
1,1-Dichloroethane	75-34-3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Cyclohexane	110-82-7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS
2-Butanone	78-93-3	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 (G)
Carbon Tetrachloride	56-23-5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
cis-1,2-Dichloroethene	156-59-2	**1.8** J	**2.0** J	10 U	10 U	10 U	10 U	10 U	**1.0** J	5
Chloroform	67-66-3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7
1,1,1-Trichloroethane	71-55-6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Methylcyclohexane	108-87-2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2.8** J	NS
Benzene	71-43-2	***3.7*** J	***3.5*** J	10 U	10 U	10 U	10 U	10 U	***2.1*** J	1
1,2-Dichloroethane	107-06-2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1
Trichloroethene	79-01-6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
1,2-Dichloropropane	78-87-5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1
Bromodichloromethane	75-27-4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 (G)
4-Methyl-2-Pentanone	108-10-1	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	NS
Toluene	108-88-3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
t-1,3-Dichloropropene	10061-02-6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.4 (-cis and -trans)
cis-1,3-Dichloropropene	10061-01-5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.4 (-cis and -trans)
1,1,2-Trichloroethane	79-00-5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1
2-Hexanone	591-78-6	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 (G)
Dibromochloromethane	124-48-1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 (G)
1,2-Dibromoethane	106-93-4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS
Tetrachloroethene	127-18-4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5

TABLE 15
SUMMARY OF TCL VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER
399 Gregory Street
Rochester, NY

Sample ID		AOC1								
Lab Sample Number		GR-MW101-GW	GR-MW101-LNAPL	GR-MW105-GW	GR-MW108-GW	GR-MW110-GW	GR-MW113-GW	GR-MW114-GW	GR-MW116-GW	NYSDEC Groundwater Standards and Guidance Values [1]
Sampling Date		T4138-03	T4138-02	T4138-04	T4091-03	T4138-05	T4138-14	T4138-10	T4091-04	
Matrix		08/08/05	08/08/05	08/08/05	08/05/05	08/08/05	08/09/05	08/09/05	08/05/05	
Dilution Factor		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
Units	CAS #	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Chlorobenzene	108-90-7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Ethyl Benzene	100-41-4	***6.2*** J	**1.0** J	10 U	10 U	10 U	10 U	10 U	**1.9** J	5
m/p-Xylenes	136777-61-2	***60***	***16***	10 U	10 U	10 U	10 U	10 U	***190***	5
o-Xylene	95-47-6	***57***	**1.7** J	10 U	10 U	10 U	10 U	10 U	**2.4** J	5
Styrene	100-42-5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Bromoform	75-25-2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 (G)
Isopropylbenzene	98-82-8	**3.5** J	10 U	10 U	10 U	10 U	10 U	10 U	***22***	5
1,1,2,2-Tetrachloroethane	79-34-5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
1,3-Dichlorobenzene	541-73-1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3
1,4-Dichlorobenzene	106-46-7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3
1,2-Dichlorobenzene	95-50-1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3
1,2-Dibromo-3-Chloropropane	96-12-8	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.04
1,2,4-Trichlorobenzene	120-82-1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Total TICs		**12.2**	0	0	0	0	0	0	**989**	NS

Notes:
1. NYSDEC. October 22, 1993. Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Reissued June 1998. April 2000 Addendum.
2. ug/L = all values are expressed in micrograms per liter, which is equivalent to parts per billion (ppb).
3. **Bold-faced** values are concentrations that have been reported above the detection limits.
4. **Bold-faced,** Underlined, and *Italicized* values are reported concentrations that exceed the Class GA groundwater standards or guidance values.
5. (G) = guidance value.
6. "NS" = No Standard has been established by NYSDEC.
7. GR-XX-Dup is a duplicate of GR-MW217-GW.
8. "U" = Compound was analyzed but was not detected.
9. "J" = Indicates an estimated value.

TABLE 15
SUMMARY OF TCL VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER
399 Gregory Street
Rochester, NY

Sample ID		AOC1								NYSDEC Groundwater Standards and Guidance Values [1]
Lab Sample Number		GR-MW208-GW	GR-MW208-GW	GR-MW209-GW	GR-MW209-GW	GR-MW210-GW	GR-MW210-GW	GR-MW211-GW	GR-MW211-GW	
Sampling Date		T4138-11	T5588-01	T4138-12	T5588-02	T4138-13	T5588-03	T4138-15	T5588-04	
Matrix		08/09/05	11/04/05	08/09/05	11/04/05	08/09/05	11/04/05	08/09/05	11/04/05	
Dilution Factor		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
Units	CAS #	1.0 ug/L	1.0 ug/L	1.0 ug/L	1.0 ug/L	1.0 ug/L	1.0 ug/L	1.0 ug/L	1.0 ug/L	ug/L
Dichlorodifluoromethane	75-71-8	10 U	0.12 U	10 U	0.12 U	10 U	0.12 U	10 U	0.12 U	5
Chloromethane	74-87-3	10 U	0.08 U	10 U	0.08 U	10 U	0.08 U	10 U	0.08 U	NS
Vinyl Chloride	75-01-4	10 U	0.09 U	10 U	0.09 U	10 U	0.09 U	10 U	0.09 U	2
Bromomethane	74-83-9	10 U	0.18 U	10 U	0.18 U	10 U	0.18 U	10 U	0.18 U	5
Chloroethane	75-00-3	10 U	0.46 U	10 U	0.46 U	10 U	0.46 U	10 U	0.46 U	5
Trichlorofluoromethane	75-69-4	10 U	0.10 U	10 U	0.10 U	10 U	0.10 U	10 U	0.10 U	5
1,1,2-Trichlorotrifluoroethane	76-13-1	10 U	0.13 U	10 U	0.13 U	10 U	0.13 U	10 U	0.13 U	5
1,1-Dichloroethene	75-35-4	10 U	0.19 U	10 U	0.19 U	10 U	0.19 U	10 U	0.19 U	5
Acetone	67-64-1	50 U	1.6 U	50 U	1.6 U	50 U	1.6 U	50 U	1.6 U	50 (G)
Carbon Disulfide	75-15-0	10 U	0.11 U	10 U	0.11 U	10 U	0.11 U	10 U	0.11 U	60 (G)
Methyl tert-butyl Ether	1634-04-4	10 U	0.22 U	10 U	0.22 U	10 U	0.22 U	10 U	0.22 U	10 (G)
Methyl Acetate	79-20-9	10 U	0.16 U	10 U	0.16 U	10 U	0.16 U	10 U	0.16 U	NS
Methylene Chloride	75-09-2	10 U	0.42 U	10 U	0.42 U	10 U	0.42 U	10 U	0.42 U	5
trans-1,2-Dichloroethene	156-60-5	10 U	0.10 U	10 U	0.10 U	10 U	0.10 U	10 U	0.10 U	5
1,1-Dichloroethane	75-34-3	10 U	0.17 U	10 U	0.17 U	10 U	0.17 U	10 U	0.17 U	5
Cyclohexane	110-82-7	10 U	0.15 U	10 U	0.15 U	10 U	0.15 U	10 U	0.15 U	NS
2-Butanone	78-93-3	50 U	0.23 U	50 U	0.23 U	50 U	0.23 U	50 U	0.23 U	50 (G)
Carbon Tetrachloride	56-23-5	10 U	0.16 U	10 U	0.16 U	10 U	0.16 U	10 U	0.16 U	5
cis-1,2-Dichloroethene	156-59-2	10 U	0.09 U	10 U	0.09 U	10 U	0.09 U	10 U	0.09 U	5
Chloroform	67-66-3	10 U	0.16 U	10 U	0.16 U	10 U	0.16 U	10 U	0.16 U	7
1,1,1-Trichloroethane	71-55-6	10 U	0.16 U	10 U	0.16 U	10 U	0.16 U	10 U	0.16 U	5
Methylcyclohexane	108-87-2	10 U	0.14 U	10 U	0.14 U	10 U	0.14 U	10 U	0.14 U	NS
Benzene	71-43-2	10 U	0.15 UJ	10 UJ	0.15 U	10 UJ	0.15 U	10 UJ	0.15 U	1
1,2-Dichloroethane	107-06-2	10 U	0.13 U	10 U	0.13 U	10 U	0.13 U	10 U	0.13 U	1
Trichloroethene	79-01-6	10 U	0.12 U	10 U	0.12 U	10 U	0.12 U	10 U	0.12 U	5
1,2-Dichloropropane	78-87-5	10 U	0.15 U	10 U	0.15 U	10 U	0.15 U	10 U	0.15 U	1
Bromodichloromethane	75-27-4	10 U	0.14 U	10 U	0.14 U	10 U	0.14 U	10 U	0.14 U	50 (G)
4-Methyl-2-Pentanone	108-10-1	50 U	0.46 U	50 U	0.46 U	50 U	0.46 U	50 U	0.46 U	NS
Toluene	108-88-3	10 U	0.11 UJ	10 UJ	0.11 U	10 UJ	0.11 U	10 UJ	0.11 U	5
t-1,3-Dichloropropene	10061-02-6	10 U	0.10 U	10 U	0.10 U	10 U	0.10 U	10 U	0.10 U	0.4 (-cis and -trans)
cis-1,3-Dichloropropene	10061-01-5	10 U	0.12 U	10 U	0.12 U	10 U	0.12 U	10 U	0.12 U	0.4 (-cis and -trans)
1,1,2-Trichloroethane	79-00-5	10 U	0.11 U	10 U	0.11 U	10 U	0.11 U	10 U	0.11 U	1
2-Hexanone	591-78-6	50 U	0.57 U	50 U	0.57 U	50 U	0.57 U	50 U	0.57 U	50 (G)
Dibromochloromethane	124-48-1	10 U	0.13 U	10 U	0.13 U	10 U	0.13 U	10 U	0.13 U	50 (G)
1,2-Dibromoethane	106-93-4	10 U	0.12 U	10 U	0.12 U	10 U	0.12 U	10 U	0.12 U	NS
Tetrachloroethene	127-18-4	10 U	0.12 U	10 U	0.12 U	10 U	0.12 U	10 U	0.12 U	5

TABLE 15
SUMMARY OF TCL VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER

399 Gregory Street
Rochester, NY

Sample ID		AOC1								
Lab Sample Number		GR-MW208-GW	GR-MW208-GW	GR-MW209-GW	GR-MW209-GW	GR-MW210-GW	GR-MW210-GW	GR-MW211-GW	GR-MW211-GW	NYSDEC Groundwater Standards and Guidance Values [1]
Sampling Date		T4138-11	T5588-01	T4138-12	T5588-02	T4138-13	T5588-03	T4138-15	T5588-04	
Matrix		08/09/05	11/04/05	08/09/05	11/04/05	08/09/05	11/04/05	08/09/05	11/04/05	
Dilution Factor		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
Units	CAS #	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Chlorobenzene	108-90-7	10 U	0.11 UJ	10 UJ	0.11 U	10 UJ	0.11 U	10 UJ	0.11 U	5
Ethyl Benzene	100-41-4	10 U	0.11 UJ	10 UJ	0.11 U	10 UJ	0.11 U	10 UJ	0.11 U	5
m/p-Xylenes	136777-61-2	10 U	0.24 UJ	10 UJ	0.24 U	10 UJ	0.24 U	10 UJ	0.24 U	5
o-Xylene	95-47-6	10 U	0.13 UJ	10 UJ	0.13 U	10 UJ	0.13 U	10 UJ	0.13 U	5
Styrene	100-42-5	10 U	0.11 UJ	10 UJ	0.11 U	10 UJ	0.11 U	10 UJ	0.11 U	5
Bromoform	75-25-2	10 U	0.09 U	10 U	0.09 U	10 U	0.09 U	10 U	0.09 U	50 (G)
Isopropylbenzene	98-82-8	10 U	0.12 UJ	10 UJ	0.12 U	10 UJ	0.12 U	10 UJ	0.12 U	5
1,1,2,2-Tetrachloroethane	79-34-5	10 U	0.09 U	10 U	0.09 U	10 U	0.09 U	10 U	0.09 U	5
1,3-Dichlorobenzene	541-73-1	10 U	0.10 UJ	10 UJ	0.10 U	10 UJ	0.10 U	10 UJ	0.10 U	3
1,4-Dichlorobenzene	106-46-7	10 U	0.12 UJ	10 UJ	0.12 U	10 UJ	0.12 U	10 UJ	0.12 U	3
1,2-Dichlorobenzene	95-50-1	10 U	0.08 UJ	10 UJ	0.08 U	10 UJ	0.08 U	10 UJ	0.08 U	3
1,2-Dibromo-3-Chloropropane	96-12-8	10 U	0.20 U	10 U	0.20 U	10 U	0.20 U	10 U	0.20 U	0.04
1,2,4-Trichlorobenzene	120-82-1	10 U	0.08 UJ	10 UJ	0.08 U	10 UJ	0.08 U	10 UJ	0.08 U	5
Total TICs		0	0	0	0	0	0	0	0	NS

Notes:

1. NYSDEC. October 22, 1993. Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Reissued June 1998. April 2000 Addendum.
2. ug/L = all values are expressed in micrograms per liter, which is equivalent to parts per billion (ppb).
3. **Bold-faced** values are concentrations that have been reported above the detection limits.
4. **Bold-faced,** Underlined, and *Italicized* values are reported concentrations that exceed the Class GA groundwater standards or guidance values.
5. (G) = guidance value.
6. "NS" = No Standard has been established by NYSDEC.
7. GR-XX-Dup is a duplicate of GR-MW217-GW.
8. "U" = Compound was analyzed but was not detected.
9. "J" = Indicates an estimated value.

TABLE 15
SUMMARY OF TCL VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER
399 Gregory Street
Rochester, NY

Sample ID		AOC 2								NYSDEC Groundwater Standards and Guidance Values [1]
Lab Sample Number		GR-MW104-GW	GR-MW106-GW	GR-MW111-GW	GR-MW216-GW	GR-MW216-GW	GR-MW217-GW	GR-MW217-GW	GR-XX-DUP	
Sampling Date		T4138-16	T4138-08	T4138-19	T4138-06	T5588-05	T4138-07	T5588-07	T4138-09	
Matrix		08/09/05	08/09/05	08/09/05	08/09/05	11/04/05	08/09/05	11/04/05	08/09/05	
Dilution Factor		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
Units	CAS #	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dichlorodifluoromethane	75-71-8	10 U	10 U	10 U	10 U	0.12 U	10 U	0.12 U	10 U	5
Chloromethane	74-87-3	10 U	10 U	10 U	10 U	0.08 U	10 U	0.08 U	10 U	NS
Vinyl Chloride	75-01-4	10 U	10 U	10 U	10 U	0.09 U	10 U	0.09 U	10 U	2
Bromomethane	74-83-9	10 U	10 U	10 U	10 U	0.18 U	10 U	0.18 U	10 U	5
Chloroethane	75-00-3	10 U	10 U	10 U	10 U	0.46 U	10 U	0.46 U	10 U	5
Trichlorofluoromethane	75-69-4	10 U	10 U	10 U	10 U	0.10 U	10 U	0.10 U	10 U	5
1,1,2-Trichlorotrifluoroethane	76-13-1	10 U	10 U	10 U	10 U	0.13 U	10 U	0.13 U	10 U	5
1,1-Dichloroethene	75-35-4	10 U	10 U	10 U	10 U	0.19 U	10 U	0.19 U	10 U	5
Acetone	67-64-1	50 U	50 U	50 U	50 U	1.6 U	50 U	1.6 U	10 U	50 (G)
Carbon Disulfide	75-15-0	10 U	10 U	10 U	10 U	0.11 U	10 U	0.11 U	10 U	60 (G)
Methyl tert-butyl Ether	1634-04-4	10 U	10 U	10 U	10 U	0.22 U	10 U	**1.5**	10 U	10 (G)
Methyl Acetate	79-20-9	10 U	10 U	10 U	10 U	0.16 U	10 U	0.16 U	10 U	NS
Methylene Chloride	75-09-2	10 U	10 U	10 U	10 U	0.42 U	10 U	0.42 U	10 U	5
trans-1,2-Dichloroethene	156-60-5	10 U	10 U	10 U	10 U	0.10 U	10 U	0.10 U	10 U	5
1,1-Dichloroethane	75-34-3	10 U	10 U	10 U	10 U	0.17 U	10 U	0.17 U	10 U	5
Cyclohexane	110-82-7	10 U	10 U	10 U	10 U	0.15 U	10 U	0.15 U	10 U	NS
2-Butanone	78-93-3	50 U	50 U	50 U	50 U	0.23 U	50 U	0.23 U	50 U	50 (G)
Carbon Tetrachloride	56-23-5	10 U	10 U	10 U	10 U	0.16 U	10 U	0.16 U	10 U	5
cis-1,2-Dichloroethene	156-59-2	10 U	10 U	10 U	10 U	0.09 U	10 U	0.09 U	10 U	5
Chloroform	67-66-3	10 U	10 U	10 U	10 U	0.16 U	10 U	0.16 U	10 U	7
1,1,1-Trichloroethane	71-55-6	10 U	10 U	10 U	10 U	0.16 U	10 U	0.16 U	10 U	5
Methylcyclohexane	108-87-2	10 U	10 U	10 U	10 U	0.14 U	10 U	0.14 U	10 U	NS
Benzene	71-43-2	10 U	10 U	10 U	10 UJ	0.15 U	10 U	0.15 U	10 U	1
1,2-Dichloroethane	107-06-2	10 U	10 U	10 U	10 U	0.13 U	10 U	0.13 U	10 U	1
Trichloroethene	79-01-6	10 U	10 U	10 U	10 U	0.12 U	10 U	0.12 U	10 U	5
1,2-Dichloropropane	78-87-5	10 U	10 U	10 U	10 U	0.15 U	10 U	0.15 U	10 U	1
Bromodichloromethane	75-27-4	10 U	10 U	10 U	10 U	0.14 U	10 U	0.14 U	10 U	50 (G)
4-Methyl-2-Pentanone	108-10-1	50 U	50 U	50 U	50 U	0.46 U	50 U	0.46 U	50 U	NS
Toluene	108-88-3	10 U	10 U	10 U	10 UJ	0.11 U	10 U	0.11 U	10 U	5
t-1,3-Dichloropropene	10061-02-6	10 U	10 U	10 U	10 U	0.10 U	10 U	0.10 U	10 U	0.4 (-cis and -trans)
cis-1,3-Dichloropropene	10061-01-5	10 U	10 U	10 U	10 U	0.12 U	10 U	0.12 U	10 U	0.4 (-cis and -trans)
1,1,2-Trichloroethane	79-00-5	10 U	10 U	10 U	10 U	0.11 U	10 U	0.11 U	10 U	1
2-Hexanone	591-78-6	50 U	50 U	50 U	50 U	0.57 U	50 U	0.57 U	50 U	50 (G)
Dibromochloromethane	124-48-1	10 U	10 U	10 U	10 U	0.13 U	10 U	0.13 U	10 U	50 (G)
1,2-Dibromoethane	106-93-4	10 U	10 U	10 U	10 U	0.12 U	10 U	0.12 U	10 U	NS
Tetrachloroethene	127-18-4	10 U	10 U	10 U	10 U	0.12 U	10 U	0.12 U	10 U	5

TABLE 15
SUMMARY OF TCL VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER
399 Gregory Street
Rochester, NY

Sample ID		AOC 2								NYSDEC Groundwater Standards and Guidance Values [1]
Lab Sample Number		GR-MW104-GW	GR-MW106-GW	GR-MW111-GW	GR-MW216-GW	GR-MW216-GW	GR-MW217-GW	GR-MW217-GW	GR-XX-DUP	
Sampling Date		T4138-16	T4138-08	T4138-19	T4138-06	T5588-05	T4138-07	T5588-07	T4138-09	
Matrix		08/09/05	08/09/05	08/09/05	08/09/05	11/04/05	08/09/05	11/04/05	08/09/05	
Dilution Factor		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
Units	CAS #	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Chlorobenzene	108-90-7	10 U	10 U	10 U	10 UJ	0.11 U	10 U	0.11 U	10 U	5
Ethyl Benzene	100-41-4	10 U	10 U	10 U	10 UJ	0.11 U	10 U	0.11 U	10 U	5
m/p-Xylenes	136777-61-2	10 U	10 U	10 U	10 UJ	0.24 U	10 U	0.24 U	10 U	5
o-Xylene	95-47-6	10 U	10 U	10 U	10 UJ	0.13 U	10 U	0.13 U	10 U	5
Styrene	100-42-5	10 U	10 U	10 U	10 UJ	0.11 U	10 U	0.11 U	10 U	5
Bromoform	75-25-2	10 U	10 U	10 U	10 U	0.09 U	10 U	0.09 U	10 U	50 (G)
Isopropylbenzene	98-82-8	10 U	10 U	10 U	10 UJ	0.12 U	10 U	0.12 U	10 U	5
1,1,2,2-Tetrachloroethane	79-34-5	10 U	10 U	10 U	10 U	0.09 U	10 U	0.09 U	10 U	5
1,3-Dichlorobenzene	541-73-1	10 U	10 U	10 U	10 UJ	0.10 U	10 U	0.10 U	10 U	3
1,4-Dichlorobenzene	106-46-7	10 U	10 U	10 U	10 UJ	0.12 U	10 U	0.12 U	10 U	3
1,2-Dichlorobenzene	95-50-1	10 U	10 U	10 U	10 UJ	0.08 U	10 U	0.08 U	10 U	3
1,2-Dibromo-3-Chloropropane	96-12-8	10 U	10 U	10 U	10 U	0.20 U	10 U	0.20 U	10 U	0.04
1,2,4-Trichlorobenzene	120-82-1	10 U	10 U	10 U	10 UJ	0.08 U	10 U	0.08 U	10 U	5
Total TICs		0	0	0	0	0	0	0	0	NS

Notes:
1. NYSDEC. October 22, 1993. Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Reissued June 1998. April 2000 Addendum.
2. ug/L = all values are expressed in micrograms per liter, which is equivalent to parts per billion (ppb).
3. **Bold-faced** values are concentrations that have been reported above the detection limits.
4. **Bold-faced,** Underlined, and *Italicized* values are reported concentrations that exceed the Class GA groundwater standards or guidance values.
5. (G) = guidance value.
6. "NS" = No Standard has been established by NYSDEC.
7. GR-XX-Dup is a duplicate of GR-MW217-GW.
8. "U" = Compound was analyzed but was not detected.
9. "J" = Indicates an estimated value.

TABLE 16
SUMMARY OF TCL SEMI-VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER
399 Gregory Street
Rochester, NY

Sample ID		AOC 2						NYSDEC Groundwater Standards and Guidance Values [1]
Lab Sample Number		GR-MW104-GW	GR-MW106-GW	GR-MW111-GW	GR-MW216-GW	GR-MW217-GW	GR-XX-DUP	
Sampling Date		T4138-16	T4138-08	T4138-19	T4138-06	T4138-07	T4138-09	
Matrix		08/09/05	08/09/05	08/09/05	08/09/05	08/09/05	08/09/05	
Dilution Factor		WATER	WATER	WATER	WATER	WATER	WATER	
Units	CAS #	1.0	1.0	1.0	1.0	1.0	1.0	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Benzaldehyde	100-52-7	10 U	10 U	10 U	10 U	10 U	10 U	NS
Phenol	108-95-2	10 U	10 U	10 U	10 U	10 U	10 U	1
bis(2-Chloroethyl)ether	111-44-4	10 U	10 U	10 U	10 U	10 U	10 U	1
2-Chlorophenol	95-57-8	10 U	10 U	10 U	10 U	10 U	10 U	1
2-Methylphenol	95-48-7	10 U	10 U	10 U	10 U	10 U	10 U	5
2,2-oxybis(1-Chloropropane)	108-60-1	10 U	10 U	10 U	10 U	10 U	10 U	NS
Acetophenone	98-86-2	10 U	10 U	10 U	10 U	10 U	10 U	NS
3+4-Methylphenols	106-44-5	10 U	10 U	10 U	10 U	10 U	10 U	NS
N-Nitroso-di-n-propylamine	621-64-7	10 U	10 U	10 U	10 U	10 U	10 U	NS
Hexachloroethane	67-72-1	10 U	10 U	10 U	10 U	10 U	10 U	5
Nitrobenzene	98-95-3	10 U	10 U	10 U	10 U	10 U	10 U	0.4
Isophorone	78-59-1	10 U	10 U	10 U	10 U	10 U	10 U	50
2-Nitrophenol	88-75-5	10 U	10 U	10 U	10 U	10 U	10 U	5
2,4-Dimethylphenol	105-67-9	10 U	10 U	10 U	10 U	10 U	10 U	50
bis(2-Chloroethoxy)methane	111-91-1	10 U	10 U	10 U	10 U	10 U	10 U	5
2,4-Dichlorophenol	120-83-2	10 U	10 U	10 U	10 U	10 U	10 U	50
Naphthalene	91-20-3	10 U	10 U	10 U	10 U	10 U	10 U	10
4-Chloroaniline	106-47-8	10 U	10 U	10 U	10 U	10 U	10 U	5
Hexachlorobutadiene	87-68-3	10 U	10 U	10 U	10 U	10 U	10 U	0.5
Caprolactam	105-60-2	**2.7** J	**380** D	**31**	**320** D	**260** D	**320** D	NS
4-Chloro-3-methylphenol	59-50-7	10 U	10 U	10 U	10 U	10 U	10 U	5
2-Methylnaphthalene	91-57-6	10 U	10 U	10 U	10 U	10 U	10 U	4.7
Hexachlorocyclopentadiene	77-47-4	10 U	10 U	10 U	10 U	10 U	10 U	5
2,4,6-Trichlorophenol	88-06-2	10 U	10 U	10 U	10 U	10 U	10 U	NS
2,4,5-Trichlorophenol	95-95-4	10 U	10 U	10 U	10 U	10 U	10 U	NS
1,1-Biphenyl	92-52-4	10 U	10 U	10 U	10 U	10 U	10 U	5
2-Chloronaphthalene	91-58-7	10 U	10 U	10 U	10 U	10 U	10 U	10
2-Nitroaniline	88-74-4	10 U	10 U	10 U	10 U	10 U	10 U	5
Dimethylphthalate	131-11-3	10 U	10 U	10 U	10 U	10 U	10 U	50
Acenaphthylene	208-96-8	10 U	10 U	10 U	10 U	10 U	10 U	NS
2,6-Dinitrotoluene	606-20-2	10 U	10 U	10 U	10 U	10 U	10 U	5
3-Nitroaniline	99-09-2	10 U	10 U	10 U	10 U	10 U	10 U	5
Acenaphthene	83-32-9	10 U	10 U	10 U	10 U	10 U	10 U	20
2,4-Dinitrophenol	51-28-5	21 U	21 U	20 U	20 U	20 U	21 U	5
4-Nitrophenol	100-02-7	21 U	21 U	20 U	20 U	20 U	21 U	5
Dibenzofuran	132-64-9	10 U	10 U	10 U	10 U	10 U	10 U	NS
2,4-Dinitrotoluene	121-14-2	10 U	10 U	10 U	10 U	10 U	10 U	5
Diethylphthalate	84-66-2	10 U	10 U	10 U	10 U	10 U	10 U	50
4-Chlorophenyl-phenylether	7005-72-3	10 U	10 U	10 U	10 U	10 U	10 U	NS
Fluorene	86-73-7	10 U	10 U	10 U	10 U	10 U	10 U	50
4-Nitroaniline	100-01-6	10 U	10 U	10 U	10 U	10 U	10 U	5

TABLE 16
SUMMARY OF TCL SEMI-VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER
399 Gregory Street
Rochester, NY

Sample ID		AOC 2						NYSDEC Groundwater Standards and Guidance Values [1]
Lab Sample Number		GR-MW104-GW	GR-MW106-GW	GR-MW111-GW	GR-MW216-GW	GR-MW217-GW	GR-XX-DUP	
Sampling Date		T4138-16	T4138-08	T4138-19	T4138-06	T4138-07	T4138-09	
Matrix		08/09/05	08/09/05	08/09/05	08/09/05	08/09/05	08/09/05	
Dilution Factor		WATER	WATER	WATER	WATER	WATER	WATER	
Units	CAS #	1.0	1.0	1.0	1.0	1.0	1.0	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
4,6-Dinitro-2-methylphenol	534-52-1	21 U	21 U	20 U	20 U	20 U	21 U	NS
N-Nitrosodiphenylamine	86-30-6	10 U	10 U	10 U	10 U	10 U	10 U	50
4-Bromophenyl-phenylether	101-55-3	10 U	10 U	10 U	10 U	10 U	10 U	NS
Hexachlorobenzene	118-74-1	10 U	10 U	10 U	10 U	10 U	10 U	0.04
Atrazine	1912-24-9	10 U	10 U	10 U	10 U	10 U	10 U	3
Pentachlorophenol	87-86-5	21 U	21 U	20 U	20 U	20 U	21 U	1
Phenanthrene	85-01-8	10 U	10 U	10 U	10 U	10 U	10 U	50
Anthracene	120-12-7	10 U	10 U	10 U	10 U	10 U	10 U	50
Carbazole	86-74-8	10 U	10 U	10 U	10 U	10 U	10 U	NS
Di-n-butylphthalate	84-74-2	**1.2** J	10 U	**2.8** J	10 U	10 U	10 U	NS
Fluoranthene	206-44-0	10 U	10 U	10 U	10 U	10 U	10 U	50
Pyrene	129-00-0	10 U	10 U	10 U	10 U	10 U	10 U	50
Butylbenzylphthalate	85-68-7	10 U	**2.0** J	10 U	10 U	10 U	10 U	50
3,3-Dichlorobenzidine	91-94-1	21 U	21 U	20 U	20 U	20 U	21 U	5
Benzo(a)anthracene	56-55-3	10 U	10 U	10 U	10 U	10 U	10 U	0.002
Chrysene	218-01-9	10 U	10 U	10 U	10 U	10 U	10 U	0.002
bis(2-Ethylhexyl)phthalate	117-81-7	10 U	10 U	10 U	10 U	10 U	10 U	5
Di-n-octyl phthalate	117-84-0	10 U	10 U	10 U	10 U	10 U	10 U	50
Benzo(b)fluoranthene	205-99-2	10 U	10 U	10 U	10 U	10 U	10 U	0.002
Benzo(k)fluoranthene	207-08-9	10 U	10 U	10 U	10 U	10 U	10 U	0.002
Benzo(a)pyrene	50-32-8	10 U	10 U	10 U	10 U	10 U	10 U	0.002
Indeno(1,2,3-cd)pyrene	193-39-5	10 U	10 U	10 U	10 U	10 U	10 U	0.002
Dibenz(a,h)anthracene	53-70-3	10 U	10 U	10 U	10 U	10 U	10 U	NS
Benzo(g,h,i)perylene	191-24-2	10 U	10 U	10 U	10 U	10 U	10 U	NS
Total TICs		**20**	**220.5**	**37.3**	**170**	**0**	**156**	NS

Notes:
1. NYSDEC. October 22, 1993. Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Reissued June 1998. April 2000 Addendum.
2. ug/L = all values are expressed in micrograms per liter, which is equivalent to parts per billion (ppb).
3. **Bold-faced** values are concentrations that have been reported above the detection limits.
4. **Bold-faced,** Underlined, and *Italicized* values are reported concentrations that exceed the Class GA groundwater standards or guidance values.
5. (G) = guidance value.
6. "NS" = No Standard has been established by NYSDEC.
7. GR-XX-DUP is a duplicate sample of GR-MW217-GW.
8. "U" = Compound was analyzed but was not detected.
9. "J" = Indicates an estimated value.
10. "D" = All compounds identified in an analysis at a secondary dilution factor.

TABLE 17
SUMMARY OF TAL METALS
IN GROUNDWATER
399 Gregory Street
Rochester, NY

Sample ID		AOC 2									NYSDEC Groundwater Standards and Guidance Values [7]
Lab Sample Number		GR-MW104-GW T4138-16	GR-MW106-GW T4138-08	GR-MW111-GW T4138-19	GR-MW216-GW T4138-06	GR-MW216-GW T5388-05	GR-DUP-GW T5588-06	GR-MW217-GW T4138-07	GR-XX-DUP T4138-09	GR-MW217-GW T5588-07	
Sampling Date		08/09/05	08/09/05	08/09/05	08/09/05	11/4/2005	11/04/05	08/09/05	08/09/05	11/04/05	
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units	CAS #	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	7429-90-5	**12,100** *	**15,000** *	**21,900** *	**28,700** *	**74.1** J	**71.7** J	**12,300**	**11,500** *	**72.4** J	NS
Antimony	7440-36-0	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	3
Arsenic	7440-38-2	**8.1** J	***25.6***	**19.1**	**11.1**	10 U	10.0 U	**9.5** J	**13.3**	**4.6** J	25
Barium	7440-39-3	**399** NJ	**404** NJ	**412** NJ	**543** NJ	**108** J	**111** J	**720** NJ	**714** NJ	**278**	1,000
Beryllium	7440-41-7	**0.56** J	**0.88** J	**1.1** J	**1.4** J	5.0 U	5.0 U	**0.69** J	**0.69** J	5.0 U	3 (G)
Cadmium	7440-43-9	**4.0** J	**3.2** J	**2.7** J	**1.5** J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5
Calcium	7440-70-2	**229,000** *	**182,000** *	**484,000** *D	**514,000** *D	**149,000** J	**153,000** J	**287,000**	**275,000** *	**193000** J	NS
Chromium	7440-47-3	**17.0**	**34.5**	**33.0**	**50.0**	10.0 U	10.0 U	**24.7**	**22.5**	**1.6** J	50
Cobalt	7440-48-4	**38.2** J	**26.3** J	**28.1** J	**23.7** J	50.0 U	50.0 U	**15.5** J	**14.3** J	50.0 U	NS
Copper	7440-50-8	**61.3**	**88.6**	**76.3**	**80.0**	25.0 U	25.0 U	**55.2**	**52.4**	**2.7** J	200
Iron	7439-89-6	***20,300*** *	***35,900*** *	***42,600*** *	***46,600*** *	100 U	100 U	***25,900*** *	***24,600*** *	**30.8** J	300
Lead	7439-92-1	***50.7*** *NJ	***66.6*** *NJ	***49.0*** *NJ	***70.9*** *NJ	10.0 UN	10.0 U	***31.9*** *NJ	***31.7*** *NJ	10.0 UN	25
Magnesium	7439-95-4	***67,300*** *	***51,000*** *	***114,000*** *	***122,000*** *	**22,100** *	**22400**	***73,600*** *	***72,500*** *	***40100***	35,000 (G)
Manganese	7439-96-5	***7,230*** *	***1,200*** *	***6,280*** *	***2,660*** *	**63.4** J	**66.8** J	***1,750*** *	***1,650*** *	***2100*** J	300
Mercury	7439-97-6	.200 U	.200 U	.200 U	.200 U	.200 U	**0.054** *J	.200 U	.200 U	**0.078** J	1
Nickel	7440-02-0	**77.9**	**53.9**	**75.0**	**56.5**	40.0 U	**3.0** J	**29.8** J	**29.5** J	**6.5** J	100
Potassium	7440-09-7	**8,930** EJ	**18,400** EJ	**15,400** EJ	**14,900** EJ	**6,180** J	**6,400** J	**14,700** EJ	**14,500** EJ	**13500** J	NS
Selenium	7782-49-2	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U	***31.9*** J	***29.8*** J	35.0 U	10
Silver	7440-22-4	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	50
Sodium	7440-23-5	***27,900*** *J	**7,540** *J	**8,820** *J	**7,120** J	**2,580** J	**2320** J	***85,800*** *J	***86,700*** *J	***29,300***	20,000
Thallium	7440-28-0	11.2 R	11.2 R	11.2 R	11.2 R	25.0 U	25.0 U	25.0 R	25.0 R	25.0 U	0.5 (G)
Vanadium	7440-62-2	**19.5** J	**27.6** J	**40.0** J	**47.5** J	50.0 U	50.0 U	**22.5** J	**21.7** J	50.0 U	NS
Zinc	7440-66-6	**385** *	**316** *	**371** *	**731** *	**30.0** J	**27.3** J	**151** *	**147** *	**26.4** J	2,000 (G)

Notes:
1. NYSDEC. October 22, 1993. Ambient Water Quality Standards Guidance Series (TOGS 1.1.1). Reissued June 1998. April 2000 Addendum.
2. ug/L = all values are expressed in micrograms per liter, which is equivalent to parts per billion (ppb).
3. **Bolded** values are concentrations that have been reported above the detection limits.
4. **Bolded**, Underlined, and *Italicized* values are reported concentrations above NYSDEC groundwater standards or guidance values.
5. (G) = *guidance value.*
6. "NS" = No Standard or guidance value as been established by NYSDEC.
7. GR-XX-DUP is a duplicate sample of GR-MW217-GW.
8. GR-DUP-GW is a duplicate of sample GR-MW216-GW (11/4/05).
9. Turbidity for each 8/9/05 groundwater sample exceeded 200 NTUs and were not filtered at the request of the NYSDEC representative. Turbidity for samples collected on 11/4/05 were below 50 NTUs.
10. "U" = The analyte was analyzed for, but not detected.
11. "J" = The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
12. "N" = Spiked sample recovery not within control limits.
13. "E" = The reported value is estimated because of the presence of interference.
14. "R" = The sample results are rejected.
15. "*" = Duplicate analysis not within control limits.
16. "D" = The reported value is from a secondary analyses with a dilution factor. The original analysis exceeded the calibration range.

TABLE 18
SUMMARY OF TCL PCBs
IN GROUNDWATER
399 Gregory Street
Rochester, NY

Sample ID		AOC 2				NYSDEC Groundwater Standards and Guidance Values [1]
Lab Sample Number		GR-MW104-GW	GR-MW111-GW	GR-MW216-GW	GR-MW217-GW	
Sampling Date		T4138-16	T4138-19	T4138-06	T4138-07	
Matrix		08/09/05	08/09/05	08/09/05	08/09/05	
Dilution Factor		WATER	WATER	WATER	WATER	
Units	CAS #	1.0 ug/L	1.0 ug/L	1.0 ug/L	1.0 ug/L	ug/L
Aroclor-1016	12674-11-2	1.0 U	1.0 U	1.0 U	1.0 U	0.09
Aroclor-1221	11104-28-2	2.1 U	2.0 U	2.0 U	2.1 U	0.09
Aroclor-1232	11141-16-5	1.0 U	1.0 U	1.0 U	1.0 U	0.09
Aroclor-1242	53469-21-9	1.0 U	1.0 U	1.0 U	1.0 U	0.09
Aroclor-1248	12672-29-6	1.0 U	1.0 U	1.0 U	1.0 U	0.09
Aroclor-1254	11097-69-1	1.0 U	1.0 U	1.0 U	1.0 U	0.09
Aroclor-1260	11096-82-5	1.0 U	1.0 U	1.0 U	1.0 U	0.09

Notes:
1. NYSDEC. October 22, 1993. Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Reissued June 1998. April 2000 Addendum.
2. ug/L = all values are expressed in micrograms per liter, which is equivalent to parts per billion (ppb)
3. **Bold-faced** values are concentrations that have been reported above the detection limits.
4. **Bold-faced**, Underlined, and Italicized values are reported concentrations that exceed the Class GA groundwater standards or guidance values.
5. "U" = Analyte was analyzed by not detected.

TABLE 19
HISTORICAL SUMMARY OF DETECTED TCL VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER: 2000-2002 and 2005
399 Gregory Street
Rochester, NY

Sample ID Units	2000-2002 NYSDEC SITE INVESTIGATION (ug/L)																NYSDEC Groundwater Standards and Guidance Values [1] ug/L
	AOC 1														AOC 2		
	MW-101 11/6/2000	MW-101 3/27/2001	MW-101 9/12/2001	MW-108 3/27/2001	MW-108 1/29/2002	MW-109 3/8/2001	MW-109 9/12/2001	MW-110 3/8/2001	MW-116 3/29/2001	MW-116 9/11/2001	MW-116 9/12/2001	MW-116 1/30/2002	MW-BR1 3/27/2001	MW-BR1 9/12/2001	MW-106 1/29/2002	MW-111 3/8/2001	
Benzene		***7.2***	***15***				***10.8***			***545.9***	***42.8***			***8.7***			1
sec-Butylbenzene									***66***	***114.8***	***39.8***						5
tert-Butylbenzene										***26.3***							5
Carbon Disulfide																	60 (G)
Chloroform									***7.8***								7
cis-1,2-Dichloroethene																	5
Ethyl Benzene	***400***								***1751***	***3,910*** E	***1,201***	***3,700***	2.3		2.5		5
Isopropylbenzene									***95.3***	***84.5***	***25.2***	***180***					5
4-Isopropyltoluene									***52.7***	***108.9***	***51.9***						5
Methyl tert-butyl Ether				***19.1***	***16***					***46***							10 (G)
Methylcyclohexane												280					NS
Methylene Chloride						***24*** B		***10*** B								***16*** B	5
Naphthalene		***15.3***							***204.5***	***178.1***			7.6		5.3		10
n-Propylbenzene									***92.4***	***60.1***							5
Toluene	***1,400***	***471.3***	***7.7***						***237.7***	95.3			***5.7***			-	5
1,2,4-Trimethylbenzene		***21.3***							***424.3***	***2,393*** E	***903.2***		***14.5***				5
1,3,5-Trimethylbenzene		***24.5***							***159.6***	***833.6***	***393.4***		***5.1***				5
o-Xylene																	5
m/p-Xylenes																	5
Xylenes (total)	***2,420***	***1,183***	***13.8***						***2,974***	***128,487*** E	***70,767***	***14,770***	***29.2***		***14.5***		5
Total TICs												12,580					NS

Notes:
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2. ug/l = all values are expressed in micrograms per liter, which is equivalent to parts per billion (ppb).
3. **Bold-faced** values are concentrations that have been reported above the detection limits.
4. **Bold-faced,** Underlined, and *Italicized* values are reported concentrations that exceed the Class GA groundwater standards or guidance values.
5. (G) = guidance value.
6. "NS" = No Standard has been established by NYSDEC.
7. Blank space = not detected.
8. "E" = Exceeds calibration limits.
9. "B" = Present in associated blank.

TABLE 19
HISTORICAL SUMMARY OF DETECTED TCL VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER: *2000-2002 and 2005*
399 Gregory Street
Rochester, NY

Sample ID Date	2005 REMEDIAL INVESTIGATION (ug/L) AOC 1 GR-MW101-GW 8/8/2005	GR-MW101-LNAPL 8/8/2005	GR-MW116-GW 8/5/2005	GR-MW217-GW 11/4/2005	NYSDEC Groundwater Standards and Guidance Values [1] ug/L
Benzene	***3.7*** J	***3.5*** J	***2.1*** J		1
sec-Butylbenzene					5
tert-Butylbenzene					5
Carbon Disulfide			0.91 J		60 (G)
Chloroform					7
cis-1,2-Dichloroethene	**1.8** J	**2.0** J	**1.0** J		5
Ethyl Benzene	***6.2*** J	**1.0** J	**1.9** J		5
Isopropylbenzene	**3.5** J		***22***		5
4-Isopropyltoluene					5
Methyl tert-butyl Ether				1.5	10 (G)
Methylcyclohexane			2.8 J		NS
Methylene Chloride		***8.0*** J			5
Naphthalene					10
n-Propylbenzene					5
Toluene					5
1,2,4-Trimethylbenzene					5
1,3,5-Trimethylbenzene					5
o-Xylene	***57***	**1.7** J	**2.4** J		5
m/p-Xylenes	***60***	***16***	***190***		5
Xylene (total)					
Total TICs	**12.2**	0	**989**	0	NS

Notes:
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2. ug/L = all values are expressed in micrograms per liter, which is equivalent to parts per billion (ppb).
3. **Bold-faced** values are concentrations that have been reported above the detection limits.
4. **Bold-faced,** Underlined, and *Italicized* values are reported concentrations that exceed the Class GA groundwater standards or guidance values.
5. (G) = guidance value.
6. "NS" = No Standard has been established by NYSDEC.
7. GR-XX-Dup is a duplicate of GR-MW217-GW.
8. Blank space = not detected.
9. "J" = Estimated concentration.
10. The other wells which were sampled but were not reported to contain VOCs above detection limits are not reported on this table.

TABLE 20
HISTORICAL SUMMARY OF DETECTED SEMI-VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER: 2000-2002 and 2005
399 Gregory Street
Rochester, NY

	2000-2002 NYSDEC INVESTIGATIONS (ug/L)	2005 REMEDIAL INVESTIGATION (ug/L)						NYSDEC Groundwater Standards and Guidance Values[1] (ug/L)
	AOC 1	AOC 2						
Sample ID	MW-101	GR-MW104-GW	GR-MW106-GW	GR-MW111-GW	GR-MW216-GW	GR-MW217-GW	GR-XX-DUP	
Benzyl Alcohol	**38**							NS
bis(2-Ethylhexyl)phthalate	***28***	**2.7** JB	**5.6** JB	**2.4** JB			**1.1** JB	5
Butylbenzylphthalate	**2.6**		**2.0** J					50
Caprolactam		**2.7** J	**380** D	**31**	**320** D	**260** D	**320** D	NS
Dibenzofuran	**1.5**							NS
Di-n-butylphthalate		**1.2** J		**2.8** J				NS
Fluorene	**2.2**							50
2-Methylnaphthalene	***18***							4.7
2-Methylphenol	**4.4**							5
3+4-Methylphenols	**7.3**							NS
Naphthalene	***12***							10
Phenanthrene	**2.7**							50
Total TICs		**20**	**220.5**	**37.3**	**170**	**0**	**156**	NS

Notes:
1. NYSDEC. October 22, 1993. Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Reissued June 1998. April 2000 Addendum.
2. ug/L = all values are expressed in micrograms per liter, which is equivalent to parts per billion (ppb).
3. **Bold-faced** values are concentrations that have been reported above the detection limits.
4. **Bold-faced,** Underlined, and *Italicized* values are reported concentrations that exceed the Class GA groundwater standards or guidance values.
5. (G) = guidance value.
6. "NS" = No Standard has been established by NYSDEC.
7. GR-XX-DUP is a duplicate sample of GR-MW217-GW.
8. Blank space = not detected.
9. "J" = Estimated concentration.
10. "B" = Analyte also present in the associated blank.
11. "D" = Analytes that were reported at a secondary dilution factor.

TABLE 21
HISTORICAL SUMMARY OF DETECTED TAL METALS IN GROUNDWATER:
2000-2002 and 2005
IN GROUNDWATER
399 Gregory Street
Rochester, NY

	2000-2002 NYSDEC SITE INVESTIGATION (ug/L)										
	AOC 1						AOC 2				
Sample ID **Sampling Date**	**MW-101** **03/28/01**	**MW-105** **03/28/01**	**MW-108** **03/28/01**	**MW-108** **09/12/01**	**MW--109** **03/28/01**	**MW-110** **03/28/01**	**MW-103** **03/28/01**	**MW-104** **03/26/01**	**MW-107** **03/26/01**	**MW-111** **03/28/01**	**NYSDEC Groundwater Standards and Guidance Values [1]**
Aluminum	**123**	**199**	**841**	**338**	**1,350**	**789**	**95**	**279**	**203**	**1,710**	NS
Arsenic				**5**							25
Barium	**191**	**94**	**87**	**75**	**137**	**90**	**103**	**105**	**76**	**92**	1,000
Beryllium											3 (G)
Cadmium				**1**				**1**			5
Calcium	**150,000**	**84,800**	**127,000**	**146,000**	**171,000**	**117,000**	**104,000**	**98,800**	**81,900**	**139,000**	NS
Chromium				**3**	**8**					**3**	50
Cobalt											NS
Copper	**81**	**80**	**88**	**54**	**91**	**74**	**38**	**7**	**5**	**71**	200
Iron	***13,800***	**250**	***1,540***	***2,640***	***2,370***	***1,430***	***347***	**299**	***530***	***2,920***	300
Lead				**8**	**8**						25
Magnesium	***41,700***	**16,100**	***45,100***	***55,100***	***40,800***	**24,100**	**23,000**	**18,400**	**33,600**	**23,300**	35,000 (G)
Manganese	***664***	**14**	**124**	**135**	**130**	**47**	**8**	**21**	**24**	**86**	300
Nickel	**3**		**3**	**32**	**7**					**3**	100
Potassium	**7,340**	**2,860**	**19,700**	**19,100**	**2,170**	**2,720**	**4,260**	**2,780**	**5,690**	**2,900**	NS
Selenium											10
Sodium	**10,500**	**3,190**	***62,300***	***50,400***	**13,000**	***3,880***	***40,700***	**10,200**	**11,200**	**11,900**	20,000
Vanadium					**4**					**4**	NS
Zinc	**25**	**13**	**20**	**21**	**20**	**18**	**15**	**35**	**19**	**17**	2,000 (G)

Notes:
1. NYSDEC. October 22, 1993. Ambient Water Quality Standards Guidance Series (TOGS 1.1.1). Reissued June 1998. April 2000 Addendum.
2. ug/L = all values are expressed in micrograms per liter, which is equivalent to parts per billion (ppb).
3. **Bolded** values are concentrations that have been reported above the detection limits..
4. **Bolded**, Underlined, and *Italicized* values are reported concentrations above NYSDEC groundwater standards or guidance values.
5. (G) = guidance value.
6. "NS" = No Standard or guidance value as been established by NYSDEC.
7. Blank space = not detected.

TABLE 21
HISTORICAL SUMMARY OF DETECTED TAL METALS IN GROUNDWATER:
2000-2002 and 2005
IN GROUNDWATER
399 Gregory Street
Rochester, NY

	2000-2002 NYSDEC SITE INVESTIGATION (ug/L)										
	AOC 1							AOC 2			
Sample ID **Sampling Date**	**MW-112** **03/26/01**	**MW-113** **03/28/01**	**MW-113 Dup** **03/28/01**	**MW-113** **09/12/01**	**MW-BR1** **03/27/01**	**MW-BR3** **03/26/01**	**Weider Hall 395 Gregory Street** **03/15/01**	**MW-115** **03/28/01**	**MW-BR2** **03/28/01**	**MW-BR2 Dup** **03/28/01**	**NYSDEC Groundwater Standards and Guidance Values** [1]
Aluminum	**1,370**	**120**	**2,800**	**179**	**169**	**98**	**73**	**3,030**	**451**	**325**	NS
Arsenic											25
Barium	**53**	**188**	**260**	**189**	**123**	**71**	**128**	**79**	**81**	**82**	1,000
Beryllium											3 (G)
Cadmium	**2**			**2**		***16***					5
Calcium	**106,000**	**238,000**	**239,000**	**150,000**	**93,600**	**97,800**	**143,000**	**126,000**	**119,000**	**128,000**	NS
Chromium								**5**			50
Cobalt										**75**	NS
Copper	**6**	**98**	**104**	**61**	**19**	**16**	**63**	**95**	**178**		200
Iron	***1,540***	***360***	***545***		***3,640***	***4,740***	**47**	***5,050***	***3,360***	***2610***	300
Lead				**12**				**7**	**18**		25
Magnesium	***54,600***	***64,700***	***65,600***	***47,200***	**24,800**	**30,900**	**34,600**	**20,600**	***36,500***	***38400***	35,000 (G)
Manganese	**130**	**34**	**66**	**259**	***394***	**248**		**113**	**86**	**86**	300
Nickel	**4**			**35**				**4**	**4**		100
Potassium	**5,240**	**19,900**	**20,300**	**25,300**	**10,400**	**10,700**	**9,210**	**6,450**	**18,200**	**19500**	NS
Selenium							***18***				10
Sodium	***53,800***	***365,000***	***368,000***	***77,300***	**8,560**	***39,200***	***42,600***	**8,460**	***41,400***	***45300***	20,000
Vanadium				**48**				**8**			NS
Zinc	**51**	**14**	**17**	**54**	**33**	**41**	**55**	**22**	**24**	**21**	2,000 (G)

Notes:
1. NYSDEC. October 22, 1993. Ambient Water Quality Standards Guidance Series (TOGS 1.1.1). Reissued June 1998. April 2000 Addendum.
2. ug/L = all values are expressed in micrograms per liter, which is equivalent to parts per billion (ppb).
3. **Bolded** values are concentrations that have been reported above the detection limits..
4. **Bolded**, Underlined, and *Italicized* values are reported concentrations above NYSDEC groundwater standards or guidance values.
5. (G) = guidance value.
6. "NS" = No Standard or guidance value as been established by NYSDEC.
7. GR-XX-DUP is a duplicate sample of GR-MW217-GW.
8. Blank space = not detected.

TABLE 21
HISTORICAL SUMMARY OF DETECTED TAL METALS IN GROUNDWATER:
2000-2002 and 2005
IN GROUNDWATER
399 Gregory Street
Rochester, NY

	2005 REMEDIAL INVESTIGATION (ug/L)									
	AOC 2									
Sample ID **Sampling Date**	**GR-MW104-GW** **08/09/05**	**GR-MW106-GW** **08/09/05**	**GR-MW111-GW** **08/09/05**	**GR-MW216-GW** **08/09/05**	**GR-MW216-GW** **11/4/2005**	**GR-DUP-GW** **11/4/2005**	**GR-MW217-GW** **08/09/05**	**GR-XX-DUP** **08/09/05**	**GR-MW217-GW** **11/4/2005**	**NYSDEC Groundwater Standards and Guidance Values [1]**
Aluminum	**12,100**	**15,000**	**21,900**	**28,700**	**74.1** J	**71.7** J	**12,300**	**11500***	**72.4** J	NS
Arsenic	**8.1** J	***25.6***	**19.1**	**11.1**	10.0 U	10.0 U	**9.5** J	**13.3**	**4.6** J	25
Barium	**399**	**404**	**412**	**543**	**108** J	**111** J	**720**	**714** NJ	**278**	1,000
Beryllium	**0.56** J	**0.88** J	**1.1** J	**1.4** J	5.0 U	5.0 U	**0.69** J	**0.69** J	5.0 U	3 (G)
Cadmium	**4.0** J	**3.2** J	**2.7** J	**1.5** J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5
Calcium	**229,000**	**182,000**	**484,000**	**514,000**	**149,000** J	**153,000** J	**287,000**	**275000***	**193,000** J	NS
Chromium	**17.0**	**34.5**	**33.0**	**50.0**	10.0 U	10.0 U	**24.7**	**22.5**	**1.6** J	50
Cobalt	**38.2** J	**26.3** J	**28.1** J	**23.7** J	50.0 U	50.0 U	**15.5** J	**14.3** J	50.0 U	NS
Copper	**61.3**	**88.6**	**76.3**	**80.0**	25.0 U	25.0 U	**55.2**	**52.4**	**2.7** J	200
Iron	***20,300***	***35,900***	***42,600***	***46,600***	100 U	100 U	***25,900***	***24600****	**30.8** J	300
Lead	***50.7***	***66.6***	***49.0***	***70.9***	10.0 UN	10.0 U	***31.9*** *NJ*	***31.7**** NJ	10.0 UN	25
Magnesium	***67,300***	***51,000***	***114,000***	***122,000***	**22,100** *	**22,400**	***73,600***	***72500****	***40,100***	35,000 (G)
Manganese	***7,230***	***1,200***	***6,280***	***2,660***	**63.4** J	**66.8** J	***1,750***	***1,650*** *	***2,100*** J	300
Mercury	0.200 U	0.200 U	0.200 U	0.200 U	.200 *U	**0.054** *J	.200 *U	.200 U	**0.078** J	1
Nickel	**77.9**	**53.9**	**75.0**	**56.5**	40.0 U	**3.0** J	**29.8** J	**29.5** J	**6.5** J	100
Potassium	**8,930**	**18,400**	**15,400**	**14,900**	**6,180** J	**6,400** J	**14,700** EJ	**14,500** EJ	**13,500** J	NS
Selenium	35.0 U	35.0 U	35.0 U	35.0 U	35.0 UN	35.0 UN	***31.9*** J	***29.8*** J	35.0 U	10
Sodium	***27,900***	**7,540**	**8,820**	**7,120**	**2,580** J	**2,320** J	***85,800***	***86,700*** *J	***29,300***	20,000
Vanadium	**19.5** J	**27.6** J	**40.0** J	**47.5** J	50.0 U	50.0 U	**22.5** J	**21.7** J	50.0 U	NS
Zinc	**385**	**316**	**371**	**731**	**30.0** J	**27.3** J	**151*** J	**147** *	**26.4** J	2,000 (G)

1. NYSDEC. October 22, 1993. Ambient Water Quality Standards Guidance Series (TOGS 1.1.1). Reissued June 1998. April 2000 Addendum.
2. Ug/L = all values are expressed in micrograms per liter, which is equivalent to parts per billion (ppb).
3. **Bolded** values are concentrations that have been reported above the detection limits.
4. **Bolded**, Underlined, and *Italicized* values are reported concentrations above NYSDEC groundwater standards or guidance values.
5. (G) = guidance value.
6. "NS" = No Standard or guidance value as been established by NYSDEC.
7. GR-XX-DUP is a duplicate sample of GR-MW217-GW.
8. GR-DUP-GW is a duplicate of sample GR-MW216-GW (11/4/05).
9. Turbidity for each 8/9/05 groundwater sample exceeded 200 NTUs and were not filtered at the request of the NYSDEC representative. Turbidity for samples collected on 11/4/05 were below 50 NTUs.
10. " U " = The analyte was analyzed for, but not detected.
11. "J" = The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
12. "N" = Spiked sample recovery not within control limits.
13. "E" = The reported value is estimated because of the presence of interference.
14. "R" = The sample results are rejected.
15. (*) = Duplicate analysis not within control limits.

TABLE 22
SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS in AIR
395 Gregory Street
Rochester, NY

TO-15 VOCs (ug/m^3)	Sub-Slab Soil Vapor	Indoor Building Air				Background	
	GR-SG1-A	GR-BA1-A		GR-BA2-A		GR-BK1-A	
	8/30/05	8/30/05	12/20/05	8/30/05	12/20/05	8/30/05	12/20/05
Acetone	18	76	28 MJ	110	50	23	14 MJ
Benzene			0.87				0.98
2-Butanone (MEK)	2.9	8.2	2.5	9.3	3.2	2.6	1.8
Carbon Disulfide	0.85						
Chloroform	21						
Chloromethane		1.0	0.77	1.1		0.96	0.89
Ethylbenzene		0.97		0.90			
2-Hexanone	0.96	0.87					
Methylene chloride		0.93		0.96			
4-Methyl-2-pentanone	1.3	1.1		1.2			
Tetrachloroethene	32						
Toluene	2.9	7.4	2.2	7.7	5.7	1.8	3.5
1,1,1-Trichloroethane	7.6						
Trichloroethene		0.94		1.2			
Trichlorofluoromethane	1.3	1.1	1.2	1.1	1.5	0.94	1.2
Vinyl Acetate	4.3	9.7		11		5.9	
m,p-Xylenes		3.7		2.6			1.5
o-Xylene		1.4		1.0			

Notes:
1. All results expressed in µg/m³ (micrograms per cubic meter).
2. Blank space = not detected above laboratory reporting limit.
3. M = matrix interference; results may be biased high.
4. J = estimated quantity; possible high bias due to interferences.

TABLE 23
SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS in SUB-SLAB SOIL VAPOR
395 Gregory Street
Rochester, New York

	GR-SG1-A	
	8/30/05	
TO-15 VOCs	Result ($\mu g/m^3$)	MRL ($\mu g/m^3$)
Acetone	**18**	7.6
2-Butanone (MEK)	**2.9**	0.76
Carbon Disulfide	**0.85**	0.76
Chloroform	**21**	0.76
2-Hexanone	**0.96**	0.76
4-Methyl-2-pentanone	**1.3**	0.76
Tetrachloroethene	**32**	0.76
Toluene	**2.9**	0.76
1,1,1-Trichloroethane	**7.6**	0.76
Trichlorofluoromethane	**1.3**	0.76
Vinyl Acetate	**4.3**	1.5

Notes:
1. All results expressed in $\mu g/m^3$ (micrograms per cubic meter).
2. MRL = method reporting limit.

TABLE 24
SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
in INDOOR BUILDING AIR

395 Gregory Street
Rochester, New York

TO-15 VOCs (ug/m³)[3]	Indoor Building Air								USEPA BASE[3] Data (background levels)	NYSDOH Air Guideline Value[4]	USEPA Target Indoor Air Concentration[5]
	GR-BA1-A				GR-BA2-A						
	8/30/05		12/20/05		8/30/05		12/20/05		Indoor	Indoor	
	Result	MRL	Result	MRL	Result	MRL	Result	MRL	(µg/m³)	(µg/m³)	(µg/m³)
Acetone	**76**	0.73	**28 MJ**	6.5	**110**	8.0	**50**	1.5	32 - 60	NA	350
Benzene		0.73	**0.87**	0.65		0.80		1.5	2.1 - 5.1	NA	31
2-Butanone (MEK)	**8.2**	0.73	**2.5**	0.65	**9.3**	0.80	**3.2**	1.5	NA	NA	NA
Chloromethane	**1**	0.73	**0.77**	0.65	**1.1**	0.80		1.5	NA	NA	NA
Ethylbenzene	**0.97**	0.73		0.65	**0.90**	0.80		1.5	<1.6 - 3.4	NA	220
2-Hexanone	**0.87**	0.73		0.65		0.80		1.5	NA	NA	NA
Methylene chloride	**0.93**	0.73		0.65	**0.96**	0.80		1.5	<1.7 - 5.0	60	520
4-Methyl-2-pentanone	**1.1**	0.73		0.65	**1.2**	0.80		1.5	NA	NA	NA
Toluene	**7.4**	0.73	**2.2**	0.65	**7.7**	0.80	**5.7**	1.5	10.7 - 26	NA	400
Trichloroethene	**0.94**	0.73		0.65	**1.2**	0.80		1.5	<1.2 - 1.2	5	2.2
Trichlorofluoromethane	**1.1**	0.73	**1.2**	0.65	**1.1**	0.80	**1.5**	1.5	NA	NA	700
Vinyl Acetate	**9.7**	0.73		0.65	**11**	1.6		1.5	NA	NA	200
m,p-Xylenes	**3.7**	1.5		1.3	**2.6**	1.6		1.5	4.1 - 12	NA	7,000
o-Xylene	**1.4**	0.73		0.65	**1.0**	0.80		1.5	<2.4 - 4.4	NA	7,000

Notes:

1. All results expressed in µg/m³ (micrograms per cubic meter).
2. MRL = method reporting limit.
3. Building Assessment and Survey Evaluation (BASE '94-'98); Unpublished; Indoor Environments Division, United States Environmental Protection Agency (USEPA).
4. Draft Guidance for Evaluating Soil Vapor Intrusion in the State of New York. Public Comment Draft, February 2005. New York State Department of Health (NYSDOH), Center for Environmental Health, Bureau of Environmental Exposure.
5. Draft Guidance For Evaluating The Vapor Intrusion To Indoor Air Pathway From Groundwater And Soils (Subsurface Vapor Intrusion Guidance). United States Environmental Protection Agency (USEPA), Office of Solid Waste and Emergency Response (OSWER), November 2002.
6. N/A = not available.
7. Blank space = not detected above laboratory reporting limit.
8. M = matrix interference; results may be biased high.

TABLE 25
SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS in OUTDOOR AIR
395 Gregory Street
Rochester, New York

TO-15 VOCs (ug/m 3)	Outdoor Air GR-BK1-A 8/30/05 Result	Outdoor Air GR-BK1-A 8/30/05 MRL	Outdoor Air GR-BK1-A 12/20/05 Result	Outdoor Air GR-BK1-A 12/20/05 MRL	EPA BASE[3] Data (background levels) Outdoor (µg/m³)	NYSDOH Air Guideline Value[4] Outdoor (µg/m³)	NYSDEC Air Guideline Value[5] SCG (µg/m³)	NYSDEC Air Guideline Value[5] ACG (µg/m³)
Acetone	**23**	7.6	**14 MJ**	6.6	15 - 32	NA	180,000	28,000
Benzene		0.76	**0.98**	0.66	1.2 - 3.7	NA	1,300	13
2-Butanone (MEK)	**2.6**	0.76	**1.8**	0.66	NA	NA	NA	NA
Chloromethane	**0.96**	0.76	**0.89**	0.66	NA	NA	22,000	90
Toluene	**1.8**	0.76	**3.5**	0.66	5.9 - 16	NA	37,000	400
Trichlorofluoromethane	**0.94**	0.76	**1.2**	0.66	NA	NA	560,000	NA
Vinyl Acetate	**5.9**	1.5		0.66	NA	NA	5,300	200
m.p -xylenes		0.76	**1.5**	0.66	<3.6 - 7.3	NA	4,300	100

Notes:
1. All results expressed in µg/m³ (micrograms per cubic meter).
2. MRL = method reporting limit.
3. Building Assessment and Survey Evaluation (BASE '94-'98); Unpublished; United States Environmental Protection Agency (USEPA), Indoor Environments Division.
4. Draft Guidance for Evaluating Soil Vapor Intrusion in the State of New York. Public Comment Draft, February 2005. New York State Department of Health (NYSDOH), Center for Environmental Health, Bureau of Environmental Exposure.
5. DAR-1 AGC/SCG Tables, New York State Department of Environmental Conservation (NYSDEC), Division of Air Resources, Air Toxics Section, December 22, 2003.
6. SCG = short term guidance concentrations.
7. ACG = annual guidance concentrations.
8. Blank space = not detected above laboratory reporting limit.
9. N/A = not available.
10. M = matrix interference; results may be biased high.

TABLE 26
LIST OF DATA QUALIFIERS

399 Gregory Street
Rochester, NY

Organic Data Qualifiers:

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Inorganic Data Qualifiers:

U = The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

J = The associated value is an estimated quantity.

R = The data are unusable. (Note: Analyte may or may not be present.)

UJ = The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 27
STATISTICAL ANALYSIS FOR TAL METALS IN SOILS
399 Gregory Street
Rochester, NY

	Analytical Results 2000-2002 and 2005 (mg/kg)																															
Sample ID	**MW-105**	**MW-105D**	**MW-106**	**MW-107**	**MW-108**	**MW-108D**	**MW-109**	**MW-110**	**MW-110**	**MW-111**	**MW-112**	**MW-112**	**MW-113**	**MW-114**	**MW-115**	**MW-115D**	**MW116**	**MW116D**	**MW-116**	**GR-B212-S**	**GR-B213-S**	**GR-B214-S**	**GR-XX-S-DUP**	**GR-B215-S**	**GR-B216-S**	**GR-B217-S**	**Eastern USA Background Range (mg/Kg)**	**MINIMUM (mg/kg)**	**MAXIMUM (mg/kg)**	**MEAN (mg/kg)**	**STANDARD DEVIATION-σ (mg/kg)**	**2σ (mg/kg)**	**MEAN - σ (mg/kg)**	**MEAN + σ (mg/kg)**	**MEAN - 2σ (mg/kg)**	**MEAN + 2σ (mg/kg)**
Aluminum	3860	3890	5670	2050	**5950**	5870	1710	2180	2240	2320	3350	3150	2110	2310	3250	3630	**6640**	**6230**	2300	1920	**7390**	**5930**	5260	3310	**7630**	4940	3,300 - 3,300	1710.00	7630.00	4041.92	1866.83	3733.65	2175.10	5908.75	308.27	7775.58
Antimony	45.80	45.50	0.00	3.55	3.44	3.45	0.35	-	-	0.36	0.42	0.00	0.56	-	0.39	-	-	-	-	14.00	13.90	1.20	14.00	14.50	14.40	13.60	NA - NA	0.00	45.80	9.97	13.96	27.91	-3.99	23.93	-17.94	37.88
Arsenic	**110.00**	**112.00**	2.30	1.20	12.40	12.50	3.40	6.63	3.13	1.60	1.87	3.40	1.77	1.92	2.86	2.75	1.97	1.86	1.52	0.51	5.80	10.60	10.10	1.70	11.00	8.30	3 - 12	0.51	112.00	12.81	29.15	58.31	-16.34	41.97	-45.50	71.12
Barium	166.00	169.00	44.80	16.80	33.10	32.10	26.30	116.00	22.60	13.10	24.50	25.60	12.00	17.30	25.10	28.00	60.90	56.80	16.10	14.80	130.00	157.00	135.00	26.50	165.00	125.00	15 - 600	12.00	169.00	63.82	57.73	115.45	6.10	121.55	-51.63	179.27
Beryllium	**3.20**	**3.26**	-	0.13	0.57	0.54	0.68	0.15	0.20	0.11	0.18	0.17	-	0.13	0.17	0.19	0.34	0.30	0.12	0.09	0.39	0.60	0.38	0.17	0.55	0.31	0 - 1.75	0.09	3.26	0.54	0.85	1.70	-0.31	1.39	-1.16	2.23
Cadmium	**4.29**	**4.19**	-	0.95	0.51	0.35	-	1.42	1.40	0.78	0.16	1.15	-	0.30	1.20	1.25	0.64	0.52	0.26	1.20	**7.30**	0.26	0.47	1.20	1.00	0.25	0 - 1	0.16	7.30	1.35	1.69	3.37	-0.34	3.04	-2.02	4.72
Calcium	**92500**	**94500**	26500	**86600**	40300	41300	28600	59400	27600	25100	24300	51400	20500	53000	35100	37200	47400	44300	**65100**	28800	13800	17600	25100	29300	8990	19800	30 - 35,000	8990.00	94500.00	40157.31	23361.63	46723.26	16795.68	63518.94	-6565.96	86880.57
Chromium	16.90	17.00	8.30	4.51	14.80	14.50	5.24	4.18	4.84	4.46	5.06	4.99	4.02	3.87	5.81	6.40	11.00	10.20	4.53	2.80	9.90	10.60	8.30	5.00	11.00	7.70	2 - 40	2.80	17.00	7.92	4.22	8.44	3.70	12.14	-0.52	16.36
Cobalt	42.90	41.70	6.10	2.19	8.74	8.79	1.95	3.09	3.13	2.59	3.80	3.27	2.20	2.35	3.55	3.99	5.67	5.19	2.17	1.90	5.10	6.80	5.40	4.10	5.90	5.10	3 - 60	1.90	42.90	7.22	10.51	21.02	-3.29	17.73	-13.80	28.23
Copper	31.40	32.30	16.00	11.70	11.90	11.90	16.70	13.00	13.80	10.50	16.90	15.00	9.79	9.52	15.40	16.40	15.90	15.00	10.70	7.80	37.80	87.50	231.00	10.50	**905.00**	99.90	1 - 50	7.80	905.00	64.36	177.67	355.34	-113.31	242.03	-290.99	419.70
Iron	8320	8170	11300	4980	12100	12300	4640	9460	8010	5310	7060	6320	5360	6600	7580	8000	13400	12400	7340	4440	11500	17200	10900	8300	13700	10800	2,000 - 550,000	4440.00	17200.00	9057.31	3269.22	6538.44	5788.09	12326.53	2518.87	15595.75
Lead	46.60	46.30	6.38	4.91	14.60	14.20	3.24	5.91	10.60	3.67	7.98	7.77	6.58	5.87	6.42	7.12	7.45	7.00	4.99	3.10	238.00	295.00	306.00	5.40	402.00	**588.00**	200 - 500	3.10	588.00	79.04	153.32	306.63	-74.27	232.36	-227.59	385.67
Magnesium	**20900**	**20800**	8380	**27800**	18900	19000	5490	13300	**28600**	6890	8600	15400	**5200**	**20100**	8760	9580	11150	10700	17200	6430	4990	6070	12900	9390	2840	6660	100 - 5,000	2840.00	28600.00	12539.62	7128.33	14256.65	5411.29	19667.94	-1717.03	26796.27
Manganese	511	516	313	295	296	296	246	487	298	204	239	282	178	232	256	293	283	268	243	170	197	347	307	234	269	254	100 - 5000	170.00	516.00	289.00	90.04	180.07	198.96	379.04	108.93	469.07
Mercury	-	-	0.04	-	-	-	-	-	**6.37**	-	-	-	-	0.06	-	-	0.06	0.05	0.04	0.12	0.32	0.36	0.37	0.12	0.79	0.19	0 - 0.2	0.04	6.37	0.68	1.72	3.44	-1.04	2.40	-2.76	4.13
Nickel	**44.00**	**43.30**	13.10	4.94	13.30	12.50	4.58	5.62	-	5.47	8.63	6.76	4.31	5.29	7.88	8.62	12.90	11.80	4.47	3.40	9.60	10.90	10.20	8.20	13.00	8.80	1 - 25	3.40	44.00	11.26	10.25	20.50	1.02	21.51	-9.23	31.76
Potassium	2530	2510	1260	610	1160	1130	426	847	1500	485	589	806	401	797	612	675	1660	1540	738	497	709	762	771	624	722	757	8,000 - 8500	401.00	2530.00	966.08	569.37	1138.73	396.71	1535.44	-172.66	2104.81
Selenium	**91.60**	**94.50**	-	-	9.00	9.24	-	-	-	-	-	-	-	-	-	-	-	-	-	8.20	1.20	1.40	0.98	8.40	1.40	1.10	0 - 3.9	0.98	94.50	20.64	35.98	71.96	-15.34	56.62	-51.33	92.60
Silver	2.94	3.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	2.30	2.30	2.30	2.40	2.40	2.30	NA - NA	2.30	3.00	2.47	0.29	0.57	2.18	2.76	1.90	3.04
Sodium	1290	1340	118	187	358	351	122	163	186	121	150	162	248	141	129	142	163	155	151	1160	265	309	335	1210	132	686	6,000 - 8,000	118.00	1340.00	375.92	399.62	799.24	-23.69	775.54	-423.31	1175.16
Thallium	119.00	117.00	-	6.62	12.00	10.90	5.83	12.50	11.10	5.84	8.74	7.98	0.00	1.09	10.20	10.30	2.42	1.81	1.50	5.80	5.80	5.80	5.80	6.00	6.00	5.70	NA - NA	0.00	119.00	15.43	31.06	62.12	-15.63	46.49	-46.69	77.55
Vanadium	39.20	39.20	11.30	5.03	13.50	13.40	3.87	4.99	4.65	5.31	6.68	6.73	6.13	5.47	6.26	6.70	14.50	13.50	6.50	4.60	17.60	29.20	16.70	7.30	24.60	13.30	1 - 300	3.87	39.20	12.55	10.12	20.23	2.43	22.66	-7.69	32.78
Zinc	50.50	49.10	27.10	14.90	37.40	37.70	13.70	13.20	16.70	12.50	21.40	155.00	14.60	11.90	20.70	22.80	24.10	23.30	12.80	17.70	121.00	**183.00**	**187.00**	30.00	**395.00**	**220.00**	9 - 50	11.90	395.00	66.66	91.61	183.22	-24.95	158.27	-116.57	249.88

Notes:
10 : greater than 1σ deviation from the mean and greater than eastern USA background range
10 : greater than 2σ deviation from the mean and greater than eastern USA background range

Table 28A - Alternative A

Opinion of Probable Remedial Costs
30-Year Monitored Natural Attenuation (MNA) Program")

	UNIT	QTY	UNIT COST $	COST $
MNA System Installation				
Supplemental overburden monitoring well installation	EA	0	$750	$0
Total MNA System Installation				**$0**
Total Installation plus 8% tax				**$0**

MNA System Engineering				
Engineering (design)	LS	1	$5,000	$5,000
Construction oversight/reporting	LS	1	$10,000	$10,000
Total MNA Engineering				**$15,000**

MNA System Monitoring and Decommissioning (30 years)				
Quarterly groundwater sampling (120 rounds)	EVENT	120	$1,500	$180,000
Groundwater analysis (6 wells, 120 rounds)	EA	720	$150	$108,000
Quarterly reports	EA	120	$2,000	$240,000
Confirmatory soil sampling (10 boreholes, including taxes)	EA	10	$1,080	$10,800
System decommissioning (10 wells) (including taxes)	EA	10	$864	$8,640
Total MNA System Monitoring and Decommissioning				**$547,440**

Opinion of Probable Remedial Costs Without Contingency	**$562,440**
Opinion of Probable Remedial Costs With 10% Contingency	**$618,684**

U:\190500196\report\RI Report\[AAR Matrix- 9-08-06.xls]Table 28A - Alt A Costs

Table 28B - Alternative B Opinion of Probable Costs	UNIT	Overall Overall QTY	UNIT COST $	COST $	RAOC 1 (11-feet deep) Former Paint Booth Area Non-Hazardous - Scenario #1 QTY	UNIT COST $	COST $	RAOC 1 (11-feet deep) Former Paint Booth Area Hazardous - Scenario #2 QTY	UNIT COST $	COST $	RAOC 2 (4-feet deep) Trench Drain Area Non-Hazardous QTY	UNIT COST $	COST $	RAOC 3 (8-feet deep) MW-105 Area Non-Hazardous QTY	UNIT COST $	COST $
Implementation Geoprobe Investigation (to determine metals contamination excavation limits around MW-105 and potential impacts around pit in RAOC1)	LS	1	$10,000	$10,000												
Equipment Mob/ Demob	LS	1	$3,000	$3,000												
Decon/Staging Areas/HASP	LS				1	$1,500	$1,500	1	$10,000	$10,000	1	$1,500	$1,500	1	$1,500	$1,500
Monitoring Well Decommissioning (MW-106, MW-216, MW-217, MW-105, MW-101 and MW-116)	LS	6	$1,000	$6,000												
Removal Concrete Slab and Staging (~1 ft thick)	CY				30	$15	$450	30	$15	$450	50	$15	$750			
Soil Excavation and Staging	CY				760	$10	$7,600	760	$20	$15,200	430	$10	$4,300	320	$10	$3,200
Interim Soil Sampling Former paint booth area Trench Drain Area and lead and MW-105	EA				5	$200	$1,000	5	$200	$1,000	10	$400	$4,000	5	$150	$750
Confirmatory Soils Sampling	EA				10	$200	$2,000	10	$200	$2,000	20	$400	$8,000	10	$150	$1,500
Dewatering to sewer	LS	1	$10,000	$10,000												
Install temporary fencing (~ 5 ft away from perimeter of excavation)	LF				205	$3	$615	205	$3	$615	275	$3	$825	155	$3	$465
Backfill with ORC/EHC-O	Pounds				0	$10	$0	0	$10	$0	0	$10	$0	0	$10	$0
Import, Install and Compact clean backfill from off-site borrow source	CY				425	$22	$9,350	425	$22	$9,350	285	$22	$6,270	170	$22	$3,740
Install and compact clean backfill from on-site	CY				320	$7	$2,240	320	$7	$2,240	80	$7	$560	120	$7	$840
Site Restoration (6-inches crusher run stone over excavated areas)	CY				15	$30	$450	15	$30	$450	65	$30	$1,950	30	$30	$900
2-inch dia. Monitoring Well Installation (replacements for MW-101 and MW-116)	EACH	2	$1,500	$3,000												
Quarterly Groundwater Monitoring plus baseline (6 wells for USEPA 8260) includes standard T.A.T.	EACH	35	$150	$5,250												
Waste Characterization	EACH				2	$1,000	$2,000	4	$1,000	$4,000	2	$1,000	$2,000	1	$1,000	$1,000
					Solid Waste Facility			Hazardous Waste Facility			Solid Waste Facility			Solid Waste Facility		
Load, Transport, and Dispose of Soils	Tons				748	$65	$48,620	748	$300	$224,400	595	$65	$38,675	340	$65	$22,100
Concrete	Tons				60	$65	$3,900	60	$65	$3,900	100	$65	$6,500			
Total Implementation				$37,250			$79,725			$273,605			$75,330			$35,995
Total Implementation plus 8% tax				**$40,230**			**$86,103**			**$295,493**			**$81,356**			**$38,875**
Engineering																
Design Phase Investigation Report	LS	1	$10,000	$10,000												
Environmental Management Plan/Engineering (Design) and Construction Monitoring Report	LS	1	$45,000	$45,000				1	$25,000	$25,000						
Construction Oversight	DAY	8	$1,500	$12,000	10	$1,700	$17,000	17	$3,500	$59,500	6	$1,700	$10,200	6	$1,700	$10,200
Remedial Construction Report for each Excavation Area					1	$7,500	$7,500	1	$12,500	$12,500	1	$7,500	$7,500	1	$7,500	$7,500
Groundwater Monitoring Events	LS	5	$3,000	$15,000												
Total Engineering				$82,000			$24,500			$97,000			$17,700			$17,700
Construction Management (12.5%)				$5,029			$10,763			$36,937			$10,170			$4,859
Total Engineering including Construction Management Markup				**$87,029**			**$35,263**			**$133,937**			**$27,870**			**$22,559**
Opinion of Probable Cost				**$127,259**			**$121,366**			**$429,430**			**$109,226**			**$61,434**

Disposal Cost	#1	#2
Soil Disposal Cost	$109,395	$285,175
Concrete Dispsoal Cost	$10,400	$10,400
Total soil and concret dispsoal Cost	$119,795	$295,575
	#1	#2
	$246,564	$455,954
	#1	#2
	$141,900	$214,400
	$30,821	$56,994

Notes:
1.7 tons/yard for soil
2.0 tons/yard for concrete
Excavation production of 200 tons/day
Hazardous soil excavation production of 100 tons/day
Backfill production of 200 cy/day

		without contingency	with 10% contingency
TOTAL COST	Scenario #1	$419,285	**$461,213**
TOTAL COST	Scenario #2	$727,349	$800,084

Table 28C - Alternative C Opinion of Probable Costs		Overall			RAOC 1						RAOC 2			RAOC 3		
		Overall			(11-feet deep) Former Paint Booth Area Non-Hazardous - Scenario #1			(11-feet deep) Former Paint Booth Area Hazardous - Scenario #2			(4-feet deep) Trench Drain Area Non-Hazardous			(8-feet deep) MW-105 Area Non-Hazardous		
	UNIT	QTY	UNIT COST $	COST $	QTY	UNIT COST $	COST $	QTY	UNIT COST $	COST $	QTY	UNIT COST $	COST $	QTY	UNIT COST $	COST $
Implementation																
Geoprobe Investigation (to determine metals contamination excavation limits around MW-105 and potential impacts around pit in RAOC1)	LS	1	$10,000	$10,000												
Equipment Mob/ Demob	LS	1	$3,000	$3,000												
Decon/Staging Areas/HASP	LS				1	$1,500	$1,500	1	$10,000	$10,000	1	$1,500	$1,500	1	$1,500	$1,500
Monitoring Well Decommissioning (MW-106, MW-216, MW-217, MW-105, MW-101 and MW-116)	LS	6	$1,000	$6,000												
Removal Concrete Slab and Staging (~1 ft thick)	CY				30	$15	$450	30	$15	$450	50	$15	$750			
Soil Excavation and Staging	CY				760	$10	$7,600	760	$20	$15,200	430	$10	$4,300	320	$10	$3,200
Interim Soil Sampling Former paint booth area Trench Drain Area and lead and MW-105	EA				5	$200	$1,000	5	$200	$1,000	10	$400	$4,000	5	$150	$750
Confirmatory Soils Sampling	EA				10	$200	$2,000	10	$200	$2,000	20	$400	$8,000	10	$150	$1,500
Dewatering to sewer	LS	1	$10,000	$10,000												
Install temporary fencing (~ 5 ft away from perimeter of excavation)	LF				205	$3	$615	205	$3	$615	275	$3	$825	155	$3	$465
Backfill with ORC/EHC-O	Pounds				500	$10	$5,000	500	$10	$5,000	0	$10	$0	0	$10	$0
Import, Install and Compact clean backfill from off-site borrow source	CY				425	$22	$9,350	425	$22	$9,350	285	$22	$6,270	170	$22	$3,740
Install and compact clean backfill from on-site	CY				320	$7	$2,240	320	$7	$2,240	80	$7	$560	120	$7	$840
Site Restoration (6-inches crusher run stone over excavated areas)	CY				15	$30	$450	15	$30	$450	65	$30	$1,950	30	$30	$900
2-inch dia. Monitoring Well Installation (replacements for MW-101 and MW-116)	EACH	2	$1,500	$3,000												
Quarterly Groundwater Monitoring plus baseline (6 wells for USEPA 8260) includes standard T.A.T.	EACH	35	$150	$5,250												
Waste Characterization	EACH				2	$1,000	$2,000	4	$1,000	$4,000	2	$1,000	$2,000	1	$1,000	$1,000
					Solid Waste Facility			Hazardous Waste Facility			Solid Waste Facility			Solid Waste Facility		
Load, Transport, and Dispose of Soils	Tons				748	$65	$48,620	748	$300	$224,400	595	$65	$38,675	340	$65	$22,100
Concrete	Tons				60	$65	$3,900	60	$65	$3,900	100	$65	$6,500			
Total Implementation				$37,250			$84,725			$278,605			$75,330			$35,995
Total Implementation plus 8% tax				**$40,230**			**$91,503**			**$300,893**			**$81,356**			**$38,875**
Engineering																
Design Phase Investigation Report	LS	1	$10,000	$10,000												
Environmental Management Plan/Engineering (Design) and Construction Monitoring Report	LS	1	$45,000	$45,000				1	$25,000	$25,000						
Construction Oversight	DAY	8	$1,500	$12,000	10	$1,700	$17,000	17	$3,500	$59,500	6	$1,700	$10,200	6	$1,700	$10,200
Remedial Construction Report for each Excavation Area					1	$7,500	$7,500	1	$12,500	$12,500	1	$7,500	$7,500	1	$7,500	$7,500
Groundwater Monitoring Events	LS	5	$3,000	$15,000												
Total Engineering				$82,000			$24,500			$97,000			$17,700			$17,700
Construction Management (12.5%)				$5,029			$11,438			$37,612			$10,170			$4,859
Total Engineering including Construction Management Markup				**$87,029**			**$35,938**			**$134,612**			**$27,870**			**$22,559**
Opinion of Probable Cost				**$127,259**			**$127,441**			**$435,505**			**$109,226**			**$61,434**

Disposal Cost	#1	#2	
	$109,395	$285,175	Soil Disposal Cost
	$10,400	$10,400	Concrete Dispsoal Cost
	$119,795	$295,575	Total soil and concret dispsoal Cost

	#1	#2
	$251,964	$461,354

	#1	#2
	$141,900	$214,400
	$31,496	$57,669

Notes:
1.7 tons/yard for soil
2.0 tons/yard for concrete
Excavation production of 200 tons/day

		without contingency	with 10% contingency
TOTAL COST	Scenario #1	$425,360	**$467,895**
TOTAL COST	Scenario #2	$733,424	$806,766

Table 29: Gregory Street Site Alternatives Analysis Matrix

Remedial Alternative[1]		Description	1 - Protection of Human Health and the Environment		2 - Standards, Criteria, & Guidance (SCG)		3 - Short-term Effectiveness & Impacts		4 - Long-term Effectiveness & Permanence		5 - Reduction of Toxicity, Mobility, or Volume	
			Score	Discussion	Score	Discussion	Score	Discussion	Score	Discussion	Score	Discussion
Scoring System			0 = Least protective 10 = Most protective		0 = Least likely to meet SCOs 10 = Most likely to meet SCOs		0 = Least effectiveness & most impact 10 = Most effectiveness & least impact		0 = Least effectiveness & permanence 10 = Most effectiveness & permanence		0 = Least reduction 10 = Most reduction	
A	No Action: Monitored Natural Attenuation (MNA)	**- MNA with 30 years of annual monitoring.**	0	- Risks associated with off-Site migration of VOCs are not mitigated. - Potential on-Site exposure risks to occupational workers.	2	- Compliance with SCGs will not be achieved for an extended period of time; - Will depend heavily on institutional controls.	2	- No short-term effectiveness or impacts.	2	- Wastes and residuals will remain on-Site following implementation of MNA, but long-term reduction is expected. - Natural processes that induce attenuation of contaminant impacts to the subsurface are dependent upon several factors such as subsurface conditions, amount of contaminant present and possible presence of free product (DNAPL or LNAPL). Given this uncertainty, exposure risks outlined in criteria 1 are most likely to persist for an undetermined period of time; - Monitoring alone will not mitigate exposure risks but will provide some quantification; - Given the future intended use of the Site as a commercial facility, land use controls are likely to be reliably implemented; - Uncertainty associated with meeting remedial action objectives in the future.	0	- No control of short-term and long-term contaminant toxicity, mobility or volume.
B	Excavation	**- Excavation and off-site disposal of significantly impacted soils ;**	7	- Potential off-Site exposure risks are significantly mitigated by the aggressive source removal approach of this alternative combined with a site management plan. - Excavation and disposal of impacted soils increases temporary exposure risks to humans, fish and wildlife due to handling of contaminated materials and potential for dispersion of contamination in air.	7	- Removal of most significant impacted soils will allow compliance with SCGs for VOCs and many metals in soils. Site management plan will be used to address low level residual impacts.	7	- Heavy truck traffic and associated decontamination, dust control and soil tracking measures required due to excavation of soils. - Staging area required. - Limited short duration construction and contaminated soil manipulation impacts. - Short-term effectiveness of this alternative is good due to soil excavation.	7	- The significantly impacted soils will be removed from this site. Low level impacts remaining on-Site following removal action would be mitigated through site management plan.	8	- Removal of the significantly impacted soils will effectively addresses toxicity, mobility and volume of most significant impacts with maximum certainty; - Low level impacts in groundwater and some metals in soil will remain. A site management plan would be used to address low level residual impacts.
C	Excavation and Enhanced Monitored Natural Attenuation (EMNA)	**- Combines Alternative B with EMNA; - Direct Application of EHC-O or ORC to open excavation of AOC1 (former paint booth area) to accelerate contaminant degradation in groundwater;**	8	- Refer to discussion of alternative B. - In addition, in-situ groundwater remediation provides additional protection for human habitat and the environment.	8	- Refer to discussion of alternative B. EMNA will provide quicker compliance with VOC SCGs for groundwater	7	- Refer to discussion of alternative B.	9	- Refer to discussion of alternative B. EMNA would provide benefit in reducing remediation timelines by addressing the low levels of VOC groundwater impacts remaining on-Site.	9	- Removal of the significantly impacted soils will effectively addresses toxicity, mobility and volume of most significant impacts with maximum certainty. A site management plan would be used to address low level residual impacts. - More control of VOC groundwater contaminant toxicity, mobility and volume resulting from EMNA..

Notes:

1 Design assumptions for each remedial alternative are presented in Table 30

2 Ranked based on the opinion of probable costs for that alternative in proportion to the range of opinions of probable cost for all three alternatives

3 Evaluated based on the Draft BCP Program Guide Appendix 2 15 factors to be considered when evaluating land use criterion.

4 Opinions of probable costs include a 10% contingency

Definitions:

1 - Protection of Human Health and the Environment: This criterion is an evaluation of the remedy's ability to protect public health and the environment, assessing how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, engineering controls or institutional controls. The remedy's ability to achieve each of the RAOs is evaluated

2 - Standards, Criteria & Guidance (SCG): Compliance with SCGs addresses whether or not a remedy will meet applicable environmental laws, regulations, standards, and guidance. All SCGs for the site will be listed along with a discussion of whether or not the remedy will achieve compliance. For those SCGs that will not be met, provide a discussion and evaluation of the impacts of each, and whether waivers are necessary.

3 - Short-term Effectiveness & Impacts: The potential short-term adverse impacts and risks of the remedy upon the community, the workers, and the environment during the construction and/or implementation are evaluated. A discussion of how the identified adverse impacts and health risks to the community or workers at the site will be controlled, and the effectiveness of the controls, should be presented. Provide a discussion of engineering controls that will be used to mitigate short term impacts (i e dust control measures). The length of time needed to achieve the remedial objectives is also estimated.

4 - Long-term Effectiveness & Permanence: *This criterion evaluates the long-term effectiveness of the remedy after implementation.* If wastes or treated residuals remain on-site after the selected remedy has been implemented, the following items are evaluated:
i. The magnitude of the remaining risks (i.e. will there be any significant threats, exposure pathways, or risks to the community and environment from the remaining wastes or treated residuals?),
ii. The adequacy of the engineering and institutional controls intended to limit the risk,
iii. The reliability of these controls, and;
iv. The ability of the remedy to continue to meet RAOs in the future.

5 - Reduction of Toxicity, Mobility, or Volume: The remedy's ability to reduce the toxicity, mobility or volume of site contamination is evaluated. Preference should be given to remedies that permanently and significantly reduce the toxicity, mobility, or volume of the wastes at the site.

6 - Implementability: The technical and administrative feasibility of implementing the remedy is evaluated. Technical feasibility includes the difficulties associated with the construction and the ability to monitor the effectiveness of the remedy. For administrative feasibility, the availability of the necessary personnel and material is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, etc. *Includes the evaluation of the reliability and viability of implementation of the industrial or engineering controls necessary for a remedy.*

7 - Cost Effectiveness: Includes both short-term costs of implementation, including engineering/design and long-term costs of operation, maintenance and monitoring activities to maintain engineering controls.

8 - Community Acceptance (see CPP): Provide a summary of the public participation program that was followed for the project, see section 1 10 for requirements. The public's comments, concerns and overall perception of the remedy are evaluated in a format that responds to all questions that are raised (i.e. responsiveness summary).

9 - Land Use: Evaluation of the reasonable anticipated future use of the site and its surroundings when unrestricted levels would not be achieved and should consider the factors presented in Appendix 2 of the BCP Guidance (2004) including applicable zoning laws and maps

U:\190500196\report\RI Report\[AAR Matrix- 9-08-06.xls]Table 29 - AAR Matrix

Table 29: Gregory Street Site Alternatives Analysis Matrix

Remedial Alternative[1]	6 - Implementability		7 - Cost Effectiveness			8 - Community Acceptance (see CPP)		9 - Land Use		Overall (sum of all scores)		
	Score	Discussion	Score[2]	Opinion of Probable Costs[4]	Discussion	Score	Discussion	Score	Discussion	Total Score (%)	Total Opinion of Probable Cost	Conclusions and recommendations
Scoring System	0 = Least implementable 10 = Most implementable		0 = Least cost effective 10 = Most cost effective			0 = Least accepted 10 = Most accepted		0 = Worst based on 15 criteria[3] 10 = Best based on 15 criteria[3]		0 = Worst overall 100 = Best overall		
A	7	- Successful implementation depends largely on presence of natural processes at the Site that are degrading contaminants. These processes are considered present at the Site due to the reduced VOC groundwater concentrations when compared to prior sampling results.	0	$618,684	- Low capital costs. - Highest OM&M costs of all alternatives, due to the possible 30 year monitoring program. (See Table 28A).	NA	- The community acceptance process has been initiated by the City and has included two public meetings. The Community acceptance process is anticipated to be completed by the New York State Department of Environmental Conservation (DEC)	4	- Anticipated land use at the Site is commercial. - Institutional controls, which are not currently in place, will be required at the Site under this alternative.	**17**	**$618,684**	- Most costly of the alternatives due to OM&M costs of 30 year monitoring program; - Least favorable alternative overall due to poor performance with the 'protection of human health and the environment', 'SCG', 'long-term effectiveness and permanence' and 'reduction of toxicity, mobility or volume' criteria. - Poor remedial 'value' : costs of this alternative exceed that of an aggressive remedial program that is more likely to comply with regulatory agency requirements.
B	8	- Soil excavation and disposal is widely used successfully and reliably; - The areas to be excavated are located in open areas; - Sufficient staging area is available at the Site to process excavated soils.	10	$461,213	- Cost includes excavation, sampling and analysis, waste disposal monitoring, and reporting. - Costs based on 10% contingency and Scenario #1. (See table 28B).	NA	- Refer to discussion of alternative A.	6	- Anticipated land use at the Site is commercial; - Institutional controls, which are not currently in place, will be required but will be less significant than Alternate A due to greater compliance with SCGs;	**60**	**$461,213**	- Excavation alone is least costly and more favorable than MNA but less favorable than Excavation with EMNA since it is less protective of human health and the environment, reduced compliance with SCGs, it has reduced long-term effectiveness and less reduction in toxicity, mobility and volume.
C	8	- Refer to discussion of Alternative B.	9	$467,895	- Minor increase in capital costs due to EMNA. - OM&M costs are less than MNA due to decreased monitoring time. - Costs based on 10% contingency and Scenario #1. (See Table 28C).	NA	- Refer to discussion of alternative A.	6	- Refer to discussion of alternative B.	**64**	**$467,895**	- More favorable alternative relative to Excavation alone as it is more likely to comply with regulatory agency requirements including more protection to human health and the environment, greater compliance with SCGS, greater long term effectiveness and perseverance and greater reduction in toxicity, mobility and volume.

Notes

1 Design assumptions for each remedial alternative are presented in Table 30

2 Ranked based on the opinion of probable costs for that alternative in proportion to the range of opinions of probable cost for all three alternatives

3 Evaluated based on the Draft BCP Program Guide Appendix 2 15 factors to be considered when evaluating land use criterion.

4 Opinions of probable costs include a 10% contingency

Definitions:

1 - Protection of Human Health and the Environment
This criterion is an evaluation of the remedy's ability to protect public health and the environment, assessing how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, engineering controls or institutional controls. The remedy's ability to achieve each of the RAOs is evaluated

2 - Standards, Criteria, & Guidance (SCG)
Compliance with SCGs addresses whether or not a remedy will meet applicable environmental laws, regulations, standards, and guidance. All SCGs for the site will be listed along with a discussion of whether or not the remedy will achieve compliance. For those SCGs that will not be met, provide a discussion and evaluation of the impacts of each, and whether waivers are necessary.

3 - Short-term Effectiveness & Impacts
The potential short-term adverse impacts and risks of the remedy upon the community, the workers, and the environment during the construction and/or implementation are evaluated. A discussion of how the identified adverse impacts and health risks to the community or workers at the site will be controlled, and the effectiveness of the controls, should be presented. Provide a discussion of engineering controls that will be used to mitigate short term impacts (i.e. dust control measures). The length of time needed to achieve the remedial objectives is also estimated.

4 - Long-term Effectiveness & Permanence
This criterion evaluates the long-term effectiveness of the remedy after implementation If wastes or treated residuals remain on-site after the selected remedy has been implemented, the following items are evaluated
i. The magnitude of the remaining risks (i.e. will there be any significant threats, exposure pathways, or risks to the community and environment from the remaining wastes or treated residuals?).
ii. The adequacy of the engineering and institutional controls intended to limit the risk,
iii The reliability of these controls, and;
iv The ability of the remedy to continue to meet RAOs in the future

5 - Reduction of Toxicity, Mobility, or Volume
The remedy's ability to reduce the toxicity, mobility or volume of site contamination is evaluated. Preference should be given to remedies that permanently and significantly reduce the toxicity, mobility, or volume of the wastes at the site.

6 - Implementability
The technical and administrative feasibility of implementing the remedy is evaluated. Technical feasibility includes the difficulties associated with the construction and the ability to monitor the effectiveness of the remedy. For administrative feasibility, the availability of the necessary personnel and material is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, etc. Includes the evaluation of the reliability and viability of implementation of the industrial or engineering controls necessary for a remedy

7 - Cost Effectiveness
Includes both short-term costs of implementation, including engineering/design and long-term costs of operation, maintenance and monitoring activities to maintain engineering controls

8 - Community Acceptance (see CPP)
Provide a summary of the public participation program that was followed for the project, see section 1.10 for requirements. The public's comments, concerns and overall perception of the remedy are evaluated in a format that responds to all questions that are raised (i.e responsiveness summary).

9 - Land Use
Evaluation of the reasonable anticipated future use of the site and its surroundings when unrestricted levels would not be achieved and should consider the factors presented in Appendix 2 of the BCP Guidance (2004) including applicable zoning laws and maps.

Table 30: Gregory Street Site Alternatives Analysis - Remedial Design Assumptions

Monitored Natural Attenuation

- 6 previously installed monitoring wells are sampled as part of the 30-year program.
- A quarterly groundwater monitoring frequency is assumed.

Enhanced Monitored Natural Attenuation

- One-time direct application to open excavation of chemical and biological enhancements in RAOC 1 only. Anticipate quarterly groundwater sampling due to EHC-O or ORC Enhancements.

Soil Excavation and Off-Site Disposal

- Non-hazardous soil excavation production rate is assumed to be 200 Tons/day.
- Hazardous soil excavation production rate is assumed to be 100 Tons/day.
- Backfill production rate is assumed to be 200 CY/day.
- Sufficient staging area is assumed to be available.
- All excavated soils are assumed to meet treatment standards based on observed contaminant concentrations.

General Assumptions:

- All costs are in constant fiscal year 2006 dollars.
- Soil density is assumed to be 1.7 Tons/CY.
- Concrete or asphalt density is assumed to be 2 Tons/CY.

A

Arkansas Department of Environmental Quality
Hazardous Waste Division
P.O. Box 8913, Little Rock, AR 72219-8913
Telephone: (501) 682-0833

Copy

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law
[illegible]	[illegible]		

3. Generator's Name and Mailing Address
City of Rochester
30 Church Street - 2008
Rochester NY 14614

4. Generator's Phone ( ) [illegible]

A. State Manifest Document Number
AR- 1565737

B. State Generator's ID
399 Gregory [illegible]
Rochester NY 14620

5. Transporter 1 Company Name: Triad Transport, Inc.
6. US EPA ID Number: [illegible]
C. State Transporter's ID: 377
D. Transporter's Phone: (318) 436-4[illegible]

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Teris
309 American Circle
El Dorado AR 71730
10. US EPA ID Number: ARD[illegible]
G. State Facility's ID
H. Facility's Phone: (870) 863-7173

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ Hazardous Waste, Solid, n.o.s. (D008), 9, NA3077, III (D008)	[illegible]	DM	00330	P	[illegible]
b. USDOT Non Regulated, Non Hazardous Monitoring Well Water	[illegible]	DM	00055	G	NR[illegible]
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a.55Gal. X 1 b.55Gal. X 1
e. f.
If no alternate TSDF, return to generator

K. Emergency Response Information
a) T b) B
Mark Gregor 585-428-[illegible]

15. Special Handling Instructions and Additional Information
a.WMOS# 1507140, ERG# 171 Place 306 00 H OK
b.WMOS# 1507141 Weights Estimated

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and Arkansas state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Anne E Spaulding	Anne E Spaulding	09 12 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Craig Bauman	Craig Bauman	09 13 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name	Signature	Month Day Year

EPA Form 8700-22 (Rev. 3-88) Previous edition is obsolete.

NOTICE: THE ORIGINAL AND NOT LESS THAN TWO (2) COPIES MUST MOVE WITH THE HAZARDOUS WASTE SHIPMENT. ONCE DELIVERED, THE TRANSPORTER STORAGE/DISPOSAL FACILITY MUST RETURN THIS ORIGINAL COPY TO THE GENERATOR.

Land Disposal Restriction Form

EPA ID #: ARD069748192

09 American Circle
El Dorado, AR 71730

Generator Information:	
EPA ID #: CESQG	*Site Information:*
City of Rochester	City of Rochester -Gregory St.
30 Church Street - 300B	399 Gregory Street
Rochester, NY 14614	Rochester, NY 14620
Billing Contact:	Phone: (585) - Fax:(585)
Technical Contact: Mark Gregor	Phone: (585) 428-59 78

Name of Waste: Soil w/ Lead Waste Codes: D008

State Manifest Number: AR1565737 line item a

Federal Manifest Number: 65737

Profile Number: 1507140 **LDR Nonwastewater Treatability Group**

A. F001-F005 Solvent Restrictions

There are no F001-F005 solvent restricted wastes present that are banned from land disposal under 40 CFR 268.30.

EPA Code(s)	Waste Description and Treatment/Regulatory Subcategory	Hazardous Constituent	Total Concentration in mg/l (WW), mg/kg (NWW); or Technology Code

B. Other Regulated Waste Notification

This section includes all wastes restricted from land disposal not included in other sections. If any treatment standards reference 268.48, then all underlying hazardous constituents are listed in Section D.

EPA Code(s)	Waste Description and Treatment/Regulatory Subcategory	Hazardous Constituent	Total Concentration in mg/l (WW), mg/kg (NWW); or Technology Code
D008	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for lead based on the toxicity characteristic leaching procedure (TCLP) in SW846.	Lead	0.75 mg/l TCLP and meet §268.48 standards

C. D001-D003

There are no D001-D003 restricted wastes present that are banned from land disposal.

EPA Code(s)	Waste Description and Treatment/Regulatory Subcategory	Hazardous Constituent	Total Concentration in mg/l (WW), mg/kg (NWW); or Technology Code

D: Underlying Hazardous Constituents

This section contains the list of all constituents listed in 268.48, Table UTS - Universal Treatment Standards, except vanadium and zinc, which can reasonably be expected to be present at the point of generation of the hazardous waste, at a concentration above the constituent-specific UTS treatment standard.

Hazardous Constituent	Total Concentration in mg/l (WW), mg/kg (NWW); or Technology Code

Land Disposal Restriction Form

EPA ID #: ARD069748192

309 American Circle
El Dorado, AR 71730

. California List Notification

F. Non-Hazardous/Non-Restricted Waste

There are no EPA waste codes that are not subject to land disposal restrictions as specified in 40 CFR Subpart D or applicable prohibitions in 40 CFR 268.32 or RCRA.

Certifications

I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed and is restricted from landfill and requires treatment per 40 CFR 268.40, 268.45 or 268.49.

Signature _____ Date 9/12/05

UNIFORM STRAIGHT BILL OF LADING
Original — Not Negotiable

TRIAD TRANSPORT, INC.
P. O. Box 818 — McAlester, OK 74502

192828

TEL: 918-426-4751 800-364-1139 FAX: 918-426-2865
SPLIT: ☐ YES ☐ NO EPA ID#: OKD981588791

TRUCK #: 2417

PO. # _____ MANF#: _____ LOAD #: _____ PRO #: 1140547 TRAILER #: 3116

ORIGIN:		DESTINATION:	
SHIPPER	City of Rochester	CONSIGNEE	Triad Transfer
STREET		STREET	540 Fisher RD
CY/ST	Rochester NY	ZIP	CY/ST Col CH ZIP

NO. SHIPPING UNITS	H — M	KIND OF PACKAGES DESCRIPTION OF ARTICLES (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I. D. NUMBER	PACKING GROUP	TYPE OF CONTAINER	WEIGHT SUBJECT TO CORRECTION
		Rear TO manifold					
2		AC 1140547					

Subject to Section 7 of Conditions of Applicable Bill of Lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

Where the applicable tariff provisions specify a limitation of the carrier's liability (NMFC Item 172), if there is no release or value declaration by the shipper, and the shipper does not declare a value or release the carrier's liability, that liability shall be limited to the extent provided by NMFC Item 172. California intrastate shipments must comply with NMFC Item 173.

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight". NOTE—To obtain greater coverage for this shipment in excess of that afforded by the carrier's tariff, in addition to the requirements for obtaining excess coverage in such tariff, the shipper must enter the value of the shipment and check the box electing excess coverage.

_____ Per _____ VALUE: _____ CHECK HERE FOR EXCESS COVERAGE: ☐

EMERGENCY CONTACT: _____

COMMENTS: _____

	YES	NO
PLACARDS REQUIRED		
PLACARDS SUPPLIED BY SHIPPER		
TRIAD PLACARDS		

The property received in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or lawfully filed tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading set forth in the classification or lawfully filed tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

LINERS FURNISHED BY: ☐ TRIAD ☐ CUSTOMER / VEHICLE FURNISHED BUT NOT USED: ☐ YES ☐ NO

LOADING	ACTION	UNLOADING
4-13 1130	DATE & APPOINTMENT TIME	
4-13 1645	ACTUAL ARRIVAL DATE &TIME	
4-13 1700	DETENTION END TIME	

REMINDER

Wear P.P.E. when needed, be sure Trailer is Clean; Observe Facility Rules; Observe Loading/Unloading & Make Accurate Count; Be sure Manifest is Accurate & Complete; Check Compatibility of Hazardous Materials-DO NOT HAUL INCOMPATIBLE MATERIALS; Secure and Weigh Load-Check Axle Weights—DO NOT HAUL OVERWEIGHT.

LOADING OF TRIAD EQUIPMENT IS ACKNOWLEDGEMENT OF THE ACCEPTANCE BY THE CUSTOMER OF THE TERMS AND CONDITIONS PROVIDED ON THE SHIPMENT CONFIRMATION.

Equipment Condition: _____

Shipper per _____ Date 4-13 Consignee per _____ Date _____

Carrier per _____ Date 4-13 Print Name: _____

Work requested outside scope of Standard Operating Procedure: _____

Person Requesting Work: **(SIGNATURE)** _____ **Date** _____

ORIGINAL (WHITE) - TRIAD YELLOW - SHIPPER PINK - CONSIGNEE GOLDENROD - DRIVER

Arkansas Department of Environmental Quality
Hazardous Waste Division
P.O. Box 8913, Little Rock AR 72219-8913
Telephone: (501) 682-0833

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Form Approved. OMB No. 2050-0039

AR-2-99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
City of Rochester
30 Church Street - 50th
Rochester NY 14614

A. State Manifest Document Number
AR- 1555737

B. State Generator's ID
399 Gregory Street
Rochester, NY 14620

4. Generator's Phone ( ) 428-5778

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID H- 339

Mac Transport Inc | D. Transporter's Phone (918) 426-4751

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID H-

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID

Tyco
305 American Circle
El Dorado AR 71730

H. Facility's Phone (870) 863-7173

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NQ Hazardous Waste, Solid, n.o.s. (D008)	001	DM	00330	P	D008
b. UN3077 Non-Regulated, Non Hazardous Monitoring Well Water	001	DM	00055	G	NRNH
c.					
d.					

J. Additional Description for Materials Listed Above
a. 55Gal X 1
b. 55Gal X 1
c.
d.

if no alternate TSDF, return to generator

K. Emergency Response Information:
a) T b) B
Mark Cregor 585-428-5978

15. Special Handling Instructions and Additional Information
a WM#2 1-907140 FROM 171 Mixed
a WM#25 1-907141 Weight is Estimated

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and Arkansas state regulations
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name | Signature | Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name | Signature | Month Day Year

GENERATOR | TRANSPORTER | FACILITY

EPA Form 8700-22 (Rev. 9-88) Previous edition is obsolete.

GENERATOR INITIAL COPY

Stantec Consulting Services Inc.
2250 Brighton-Henrietta Town Line Road
Rochester NY 14623-2706
Tel: (585) 475-1440 Fax: (585) 424-5951
stantec.com

Stantec

December 14, 2005

Mr. Shawn Keenan
Office of Industrial Waste Control
Monroe County Department of Environmental Services
444 East Henrietta Road, Building 15
Rochester, New York 14620

RE: Groundwater Discharge
Former Davidson Collision Site
Rochester, New York

Dear Mr. Keenan:

On behalf of the City of Rochester, the following information is submitted pursuant to a request to discharge a small quantity of groundwater to the Monroe County Sewer System.

A. **Environmental Representative:** Stantec Consulting Services Inc.

B. **Contact:** Mike Storonsky (ph: 413-5620; fx 424-5951)

C. **Site Name:** Former Davidson Collision
399 Gregory Street
Rochester, NY

D. **Description of Site Work.** Remedial investigation activities were performed at the Former Davidson Collision Site (Site), located at 399 Gregory Street in Rochester, New York. Remedial investigation activities were related to contamination on a portion of the property.

Remedial investigation activities included in the Remediation Investigation Work Plan were completed pursuant to the City of Rochester's 2003 Brownfield Assessment grant from the United States Environmental Protection Agency (EPA). The majority of the remedial investigation activities were completed between August 2005 and November 2005.

On November 4, 2005 Stantec performed the second sampling event in the scope of work. The sampling event included the collection of samples from six newly installed wells (MW-209, MW-209, MW-210, MW-211, MW-216 and MW-217). Groundwater samples were sent to Chemtech and analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) by EPA Method 8260. Target Analyte List (TAL) metals were run on two samples (MW-216 and MW-217). A copy of the recent Groundwater Monitoring Report is attached to this letter.

E. **Quantity of Wastewater to be discharged.** The amount of groundwater to be discharged from the November 4, 2005 sampling event will be approximately 20 gallons. This water was obtained from the six previously referenced wells during the November 2005 well purging activities.

F. **Expected date of discharge.** It is requested that the groundwater from the November sampling event be discharged during the month of December 2005.

G. **Project Duration.** Depending on review and comment by the DEC, it is possible that monitoring activities may occur again in 2006.

Based on the November 4, 2005 laboratory data, one VOC (MTBE) in MW-217 was detected at an estimated concentration of 1.5 ug/l. No other VOCs were reported above detection limits. It is proposed to discharge the wastewater to the nearby sewer on Gregory Street for discharge to the Monroe County Sewer System.

Should you have any questions or require further information, please feel free to call me at (585) 413-5620.

Sincerely,

Michael P. Storonsky
Senior Associate

Attachments: Laboratory Analytical Report

c: Anne Spaulding, City of Rochester

U:/190500196/correspondence/L0005.doc

Department of **Environmental Services**
Monroe County, New York

Maggie Brooks
County Executive

John E. Graham, P.E.
Director

December 15, 2005

Mr. Peter Smith
Stantec consulting Services Inc.
2250 Brighton-Henrietta Town Line Road
Rochester, NY 14623

Re: Discharge Approval
Davidson Collision located at 399 Gregory Street.

Dear Mr. Smith:

This office is approving the one time discharge of monitoring well purge waters from the former Davidson Collision site located at 399 Gregory Street in the city of Rochester, NY. It is understood that approximately twenty (20) gallons of purge waters will be discharged to the sanitary sewer. Monitoring results submitted for the proposed waters have been reviewed and approved by this office. It will be the responsibility of Stantec to contact this office prior to any future discharges relating to this site. Future discharges may require a permit issued by this office.

Please contact me at 585-760-7610x7143 if you have any questions or concerns regarding this or any other matter.

Sincerely,

Sean Keenan
Senior Industrial Waste Technician

xc: file, Harry Reiter(Pretreatment Coordinator)

B

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-200

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/4/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/4/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

	SAMPLE				Soil Information
0	PID	Rec.	No.	Depth	Remarks
					Concrete 0.9
	0.8/0.0	2.0	1	1-4'	Brown fine to medium SAND, some Silt, trace fine Gravel, moist (fill)
	0.0/0.0	2.5	2	4-8'	
5					7.7
					Concrete (fill) 8.3
	0.0/0.0	2.9	3	8-12'	Brown/gray fine to medium SAND, little to trace Silt, wet (Native) 9.5
10					Red brown/gray fine SAND, some Silt, trace fine Gravel and Clay, wet (TILL)
	0.0/0.0	3.0	4	12-15'	
15					15.0
					End of Boring Boring collapsed at 11'
20					

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-201

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/3/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/3/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

0	SAMPLE PID	Rec.	No.	Depth	Soil Information Remarks	
	0.6/0.0	1.1	1	0-4'	Concrete	0.5
					Red Brown/Brown fine SAND, some Silt, trace fine Gravel, moist	1.0
					Black fine to medium SAND and Gravel, trace cinder, dry (misc. fill)	1.2
					Brown SILT, some fine Sand, trace Clay, moist (FILL)	4.3
	0.5/0.0	2.0	2	4-8'	Light brown SILT, some to little Sand, little Clay, rust mottling (Native)	5.5
5					Light brown fine SAND, some Silt, moist	5.8
					Light brown fine to medium SAND, little fine to course Gravel, multi-colored "staining"	8.0
	0.4/0.0	3.8	3	8-12'	s.a.a., Light brown only	8.4
					Red Brown/Brown fine SAND, some Silt, trace fine Gravel, moist to wet (TILL)	
10					@9.5' 0.2' sand seam	12.0
					End of Boring Boring collapsed 9.3'	
15						
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-202

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/3/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/3/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

	SAMPLE				Soil Information	
0	PID	Rec.	No.	Depth	Remarks	
	1.2/0.6	2.5	1	0-4'	Concrete	0.6
					Brown, fine to medium SAND, some Silt, trace fine Gravel, trace cinders, dry to r	
	0.7/0.0	3.0	2	4-8'	s.a.a., Light brown (misc. fill)	
5						6.4
					Brown, fine to medium SAND, some to little Silt and fine to course Gravel, yellow and red brown coloration, dry to moist (Native)	7.8
					Gray, fine SAND, some Silt, moist	8.0
	0.4/0.0	3.4	3	8-12'	Red brown, fine to medium SAND, some Silt, fine Gravel, wet, trace Clay @8.6' 0.3' sand seam	
10						
	0.2/0.0	3.0	4	12-15'		
					@13.5' very loose	
15						15.0
					End of Boring	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-203

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/3/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/3/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

	SAMPLE				Soil Information	
0	PID	Rec.	No.	Depth	Remarks	
	1.3/0.0	2.9	1	0-4'	Topsoil, trace Cinder	0.7
					Brick	1.0
					Gray, black SILT, some fine Sand, little fine Gravel and cinder, moist	1.5
					s.a.a., rust colored (misc. fill)	1.7
					Light brown, fine to medium SAND, some to little Silt, trace fine Gravel, dry	
					(FILL)	3.7
	0.8/0.0	1.8	2	4-8'	Dark brown SILT, some to little fine Sand, moist, trace organics (Native)	
5						6.2
					Light brown fine to medium SAND, some Silt, little fine to course Gravel, moist, multi-colored, yellow, red-brown, gray-blue, orange (staining sands)	
	0.6/0.0	2.0	3	8-12'		
10						10.0
					Red brown fine to medium SAND, some Silt, little fine Gravel, moist to wet (Native)	
	0.6	2.7	4	12-15'		
					wet @ 13.5' and loose	
15						15.0
					End of Boring	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-204

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/3/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/3/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

	SAMPLE				Soil Information	
0	PID	Rec.	No.	Depth	Remarks	
	0.8/0.0	2.7	1	0-4'	Asphalt	0.2
					Brown, red/brown, fine to course SAND and Gravel, trace Silt, dry	2.1
					Brown, SILT, some fine Sand, moist to dry	3.1
					Black slag (misc. fill)	3.3
					Brown SILT, some fine Sand, trace Clay, moist (fill)	4.0
	0.8/0.0	2.6	2	4-8	Brown fine to medium SAND, little Gravel and Silt, moist (Native)	
5						5.5
					Brown SILT, some fine Sand, moist	6.5
					Brown to gray CLAY, some Silt, moist, fine to medium Sand pockets/lenses	
	0.6/0.0	2.8	3	8-12'	s.a.a., dry	
10						10.3
					Red brown, fine to medium SAND, some Silt, little to trace fine Gravel, moist to wet (TILL)	
	0.6/0.0	3.2	4	12-16'	@13.0' wet	
15						16.0
					End of Boring Boring collapsed @ 12'	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-205

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/3/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/3/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

0	SAMPLE PID	Rec.	No.	Depth	Soil Information Remarks	
	1.0/0.0	2.5	1	0-4'	Asphalt	0.3
					Sub-base	0.5
					Brown fine SAND, little to some Silt, trace fine Gravel, dry	
					@3.3' dark brown	
	89.1/0.0	2.8	2	4-8'	s.a.a., increase in fine GRAVEL, moist to dry	
5						
					(FILL)	7.4
					Black fine to medium SAND, trace Silt, dry to moist, slight odor (Native)	7.6
					Gray/brown SILT, some fine Sand, little clay, moist	
	13.1/0.0	2.5	3	8-12'		9.7
10					Brown/gray fine to course SAND, little fine Gravel, moist, odor	10.0
					Red/brown fine SAND, some Silt, trace fine Gravel, moist	
					@11.8' moist to wet	
	0.7/0.0	2.5	4	12-14'		
					@13.0 wet	
15						15.0
					End of Boring Boring collapsed @ 11.8'	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-206

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/3/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/3/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

	SAMPLE				Soil Information	
0	PID	Rec.	No.	Depth	Remarks	
	1.5/0.0	2.4	1	0-4'	Topsoil	0.3
					Light brown fine to medium SAND, some Silt, trace fine Gravel, dry	0.9
					s.a.a., Dark brown, trace cinder	
					(Misc. Fill)	4.0
	1.2/0.0	2.5	2	4-8'	s.a.a., Light brown, no cinder, dry (fill)	
5						6.3
					Brick	6.5
					Light brown/gray SILT, some fine SAND, little fine Gravel, moist (Native)	
					@7.8' 0.2' sand lense	
	1.1/0.0	2.2	3	8-12'		
10						9.8
					Red brown, fine to medium SAND, some Silt, little fine Gravel, moist to wet	
						12.0
					End of Boring	
					Boring collapsed @ 8.5'	
15						
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-207

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/3/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/3/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

	SAMPLE				Soil Information	
0	PID	Rec.	No.	Depth	Remarks	
	1.5/0.0	2.8	1	0-4'	Stone/crusher run	0.5
					Brown, fine to medium SAND, some Silt, trace to little fine Gravel, dry to moist, trace Cinder	1.2
					Black Slag and Cinder (misc. fill)	1.5
					Brown fine to medium SAND, some Silt, little fine Gravel, yellow, orange staining, moist	3.7
					Brown SILT, trace fine Sand, moist	4.0
	0.8/0.0	1.2	2	4-6'	Brown fine SAND, some Silt, moist (Native)	5.8
5					Brown/gray fine to course SAND, moist to dry	6.0
					Refusal/End of Boring	
10						
15						
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-208

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/4/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/4/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

0	SAMPLE PID	Rec.	No.	Depth	Soil Information Remarks	
					Concrete	0.75
	0.5/0.0	2.5	1	0-4'	Brown, fine to medium SAND, little to some Silt, trace gravel, dry to moist	1.0
					Cinder and ash (misc. fill)	1.3
					Brown fine to medium SAND, some Silt, trace Gravel, dry to moist (Native)	
	0.4/0.0	2.9	2	4-8'	s.a.a., less SILT	
5						7.0
					Brown fine SAND, some Silt, wet	7.8
					Brown fine to medium SAND, dry	
	0.3/0.0	3.5	3	8-12'		9.0
					Gray/red brown fine SAND, some Silt, trace fine Gravel, wet	
10						
					Gray/red brown fine SAND, some Silt, trace fine Gravel, wet	
	0.4/0.0	2.0	4	12-15'		
15						15.0
					End of Boring	
20						

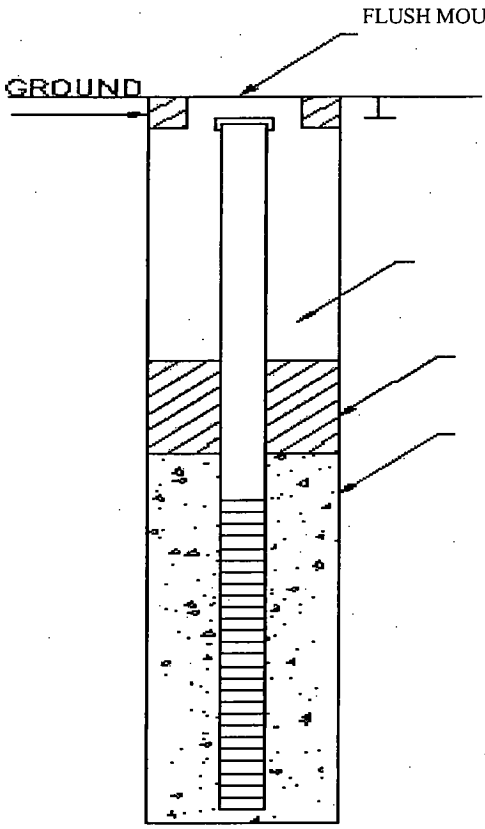
Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

Stantec

OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME	399 Gregory Street	HOLE DESIGNATION	**MW-208**
PROJECT NUMBER	190500196	DATE COMPLETED	8/4/2005
CLIENT	City of Rochester	DRILLING METHOD	Direct Push
LOCATION	See Figure	SUPERVISOR	D. Gnage



SURFACE SEAL TYPE: cement

TOP OF SEAL @ 1 ft

BOTTOM OF SEAL @ 4 ft

TOP OF SCREEN @ 5 ft

BOTTOM OF SCREEN @ 15 ft

BOTTOM OF HOLE @ 15 ft

RISER RECESS 0.4 ft

WELL CASING
ANNULUS BACKFILL
TYPE: cement

SEAL TYPE: bentonite crumbles

PACK TYPE:
SAND, SIZE #OO sand

NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SCREEN TYPE: CONTINUOUS SLOT ____ PERFORATED __X___ LOUVRE ____ OTHER ____

SCREEN MATERIAL: STAINLESS STEEL ____ PVC __X__ OTHER ____

SCREEN LENGTH: 10 ft SCREEN DIAMETER 1 in. SCREEN SLOT SIZE: 10-slot

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 1 in

HOLE DIAMETER: 2-inch

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-209

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/5/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/5/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 80 deg.	Supervisor:	D. Gnage/P. Smith

0	SAMPLE PID	Rec.	No.	Depth	Soil Information Remarks	
	0.4/0.0	2.6	1	0-4'	Crusher run	0.4
					Brown to light brown, fine to coarse SAND, some fine to course Gravel, little Silt, dry to moist	4.1
5	0.0/0.0	2.6	2	4-8	Brown fine SAND, some Silt, little fine to course Gravel, yellow and red "staining" (Native)	6.9
					Gray/brown fine to course SAND and Gravel, dry	7.6
					Light brown, SAND, moist	7.8
					Brown, silty CLAY, moist	8.0
	0.0/0.0	2.7	3	8-12'	Brown, fine to medium SAND, little Silt, moist	9.3
10					Red brown/gray, fine SAND, some Silt, little to trace fine Gravel, moist to wet (TILL)	
	0.0/0.0	2.7	4	12-15	s.a.a., wet, loose	
15						15.0
					End of Boring	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

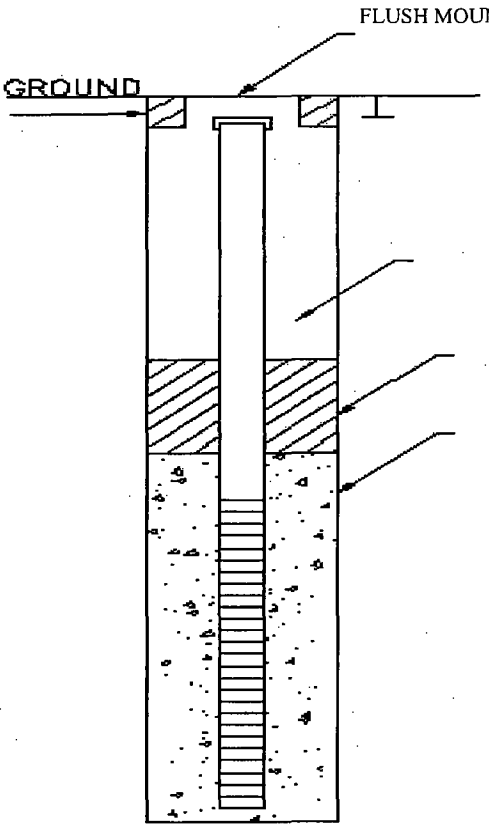
Stantec

OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME 399 Gregory Street
PROJECT NUMBER 190500196
CLIENT City of Rochester
LOCATION See Figure

HOLE DESIGNATION **MW-209**
DATE COMPLETED 8/5/2005
DRILLING METHOD Direct Push
SUPERVISOR D. Gnage



SURFACE SEAL TYPE cement

TOP OF SEAL @ 1 ft

BOTTOM OF SEAL @ 4 ft

TOP OF SCREEN @ 5 ft

BOTTOM OF SCREEN @ 15 ft

BOTTOM OF HOLE @ 15 ft

RISER RECESS 0.24 ft

WELL CASING
ANNULUS BACKFILL
TYPE: cement

SEAL TYPE: bentonite crumbles

PACK TYPE:
SAND, SIZE #OO sand

NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SCREEN TYPE: CONTINUOUS SLOT ____ PERFORATED __X__ LOUVRE ____ OTHER ____

SCREEN MATERIAL: STAINLESS STEEL ____ PVC __X__ OTHER ____

SCREEN LENGTH: 10 ft SCREEN DIAMETER 1 in. SCREEN SLOT SIZE: 10-slot

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 1 in

HOLE DIAMETER: 2-inch

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-210

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/4/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/4/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 90 deg.	Supervisor:	D. Gnage/P. Smith

	SAMPLE				Soil Information	
0	PID	Rec.	No.	Depth	Remarks	
	10.0/0.0	3.6	1	0-4'	Topsoil	0.7
					Black, fine SAND and Gravel, conglomorate, slight odor, dry (old asphalt?)	1.4
					Dark brown, fine to medium SAND, some Silt, little fine Gravel, trace Brick and Cinder, dry (misc. fill)	2.7
					Brown to light brown, fine SAND, some Silt, moist (Native)	4.5
	9.4/0.0	2.7	2	4-8'	Brown/gray fine SAND, some Silt, moist to wet	6.0
5					Gray brown, fine to medium SAND, some Silt, little fine to course Gravel, dry to moist @6.5' gray black staining	9.0
	1.1/0.0	2.0	3	8-12'	Red brown/Gray, fine SAND, some Silt, trace fine Gravel, moist to wet (TILL)	
10						
	0.4/0.0	2.7	4	12-15'	Wet @13.5' loose	
15						15.0
					End of Boring	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

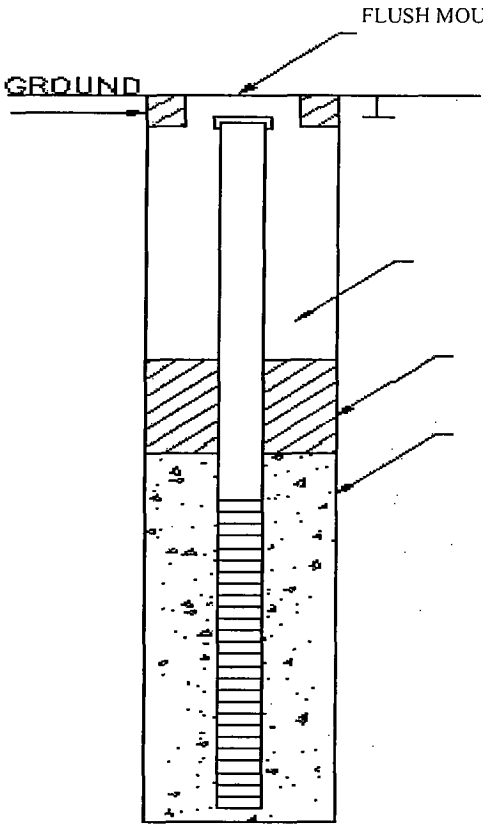
Stantec

OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME 399 Gregory Street
PROJECT NUMBER 190500196
CLIENT City of Rochester
LOCATION See Figure

HOLE DESIGNATION **MW-210**
DATE COMPLETED 8/4/2005
DRILLING METHOD Direct Push
SUPERVISOR D. Gnage



SURFACE SEAL TYPE cement

RISER RECESS 0.34 ft

WELL CASING
ANNULUS BACKFILL
TYPE: cement

TOP OF SEAL @ 1 ft

SEAL TYPE: bentonite crumbles

BOTTOM OF SEAL @ 3 ft

PACK TYPE:
SAND, SIZE #OO sand

TOP OF SCREEN @ 5 ft

BOTTOM OF SCREEN @ 15 ft

BOTTOM OF HOLE @ 15 ft

NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SCREEN TYPE: CONTINUOUS SLOT ____ PERFORATED __X__ LOUVRE ____ OTHER ____

SCREEN MATERIAL: STAINLESS STEEL ____ PVC __X__ OTHER ____

SCREEN LENGTH: 10 ft SCREEN DIAMETER 1 in. SCREEN SLOT SIZE: 10-slot

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 1 in

HOLE DIAMETER: 2-inch

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-211

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/5/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/5/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 86 deg.	Supervisor:	D. Gnage/P. Smith

	SAMPLE				Soil Information	
0	PID	Rec.	No.	Depth	Remarks	
	0.4/0.0	3.5	1	0-4'	Crusher run	0.3
					Brown, fine SAND, some Silt, little fine Gravel, trace Cinder, dry (Misc. Fill)	2.7
					s.a.a., no cinder (fill)	4.4
	34.1/0.0	3.5	2	4-8'	Light brown SILT, some fine Sand, dry to moist, orange mottling (Native)	6.0
5					Brown fine SAND, moist	7.1
					Brown, SILT, some fine Sand, moist	7.4
					Orange brown, fine to medium SAND, little Silt	7.7
	0.0/0.0	2.3	3	8-11.9'	Red brown/gray, fine SAND, some Silt, little fine Gravel, moist (TILL) @8.2' wet	11.9
10						
					End of Boring/Refusal	
15						
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

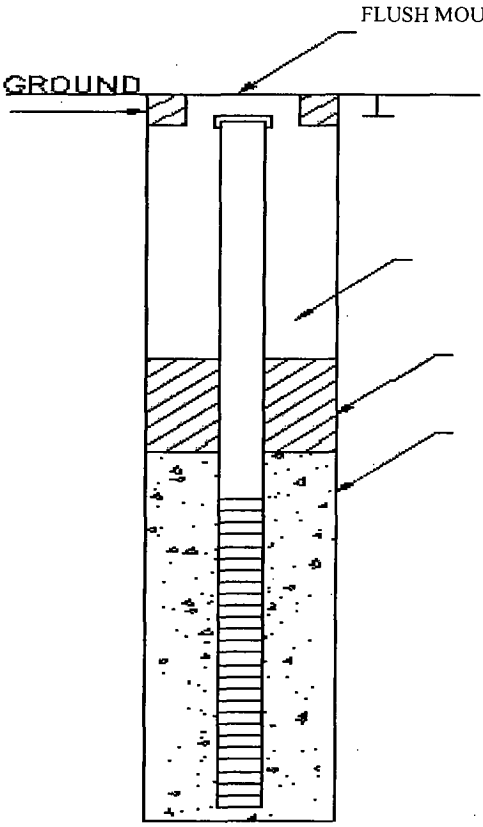
Stantec

OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME 399 Gregory Street
PROJECT NUMBER 190500196
CLIENT City of Rochester
LOCATION See Figure

HOLE DESIGNATION **MW-211**
DATE COMPLETED 8/5/2005
DRILLING METHOD Direct Push
SUPERVISOR D. Gnage



SURFACE SEAL TYPE cement

RISER RECESS 0.26 ft

WELL CASING
ANNULUS BACKFILL
TYPE: cement

TOP OF SEAL @ 1 ft

SEAL TYPE: bentonite crumbles

BOTTOM OF SEAL @ 4 ft

PACK TYPE:
SAND, SIZE #OO sand

TOP OF SCREEN @ 6.9 ft

BOTTOM OF SCREEN @ 11.9 ft

BOTTOM OF HOLE @ 11.9 ft

NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SCREEN TYPE: CONTINUOUS SLOT ____ PERFORATED __X__ LOUVRE ____ OTHER ____

SCREEN MATERIAL: STAINLESS STEEL ____ PVC __X__ OTHER ____

SCREEN LENGTH: 5 ft SCREEN DIAMETER 1 in. SCREEN SLOT SIZE: 10-slot

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 1 in

HOLE DIAMETER: 2-inch

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-212

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/4/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/4/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 90 deg.	Supervisor:	D. Gnage/P. Smith

0	SAMPLE PID	Rec.	No.	Depth	Soil Information / Remarks	
					Concrete	1.0
	0.9/0.0	2.1	1	1-4'	Sub-base	1.4
					Black, fine to medium SAND, some Cinders, dry (misc. fill)	1.8
					Brown fine SAND, some Silt, trace fine Gravel, dry to moist (Native)	
	1.4/0.0	3.0	2	4-8'		
5						5.5
					Red brown/gray, Silty CLAY, moist	6.7
					Brown, fine SAND, little Silt, moist to wet	7.5
					Red brown/gray Silty CLAY, moist	
	1.3/0.0	3.5	3	8-12'		9.5
10					Brown to red/brown, little SILT, trace Gravel, wet	11.0
					Red brown/gray, fine SAND, some Silt, little fine Gravel, rust (TILL)	12.0
					End of Boring	
15						
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

Stantec
2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-213

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/4/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/4/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

	SAMPLE				Soil Information	
0	PID	Rec.	No.	Depth	Remarks	
					Concrete	0.5
	6.5/0.0	2.6	1	0.5-4'	Sub-base	0.8
					Brown to light brown, fine SAND, some Silt, trace to little cinder, dry	
					(Misc. Fill)	
						3.6
					Light brown, SILT, some fine Sand, moist (Native)	
	0.5/0.0	2.6	2	4-8'		
5						
						5.4
					Brown, fine to course SAND, some fine Gravel, trace Silt, dry	
						6.3
					Brown SILT, some fine Sand, moist	7.1
					Brown to orange, fine to medium SAND, trace to little Silt, dry to moist	
	0.2/0.0	3.3	3	8-12'	@8.7' wet	
10						
						10.0
					Red brown/gray, fine SAND, course Silt, little fine Gravel, wet (TILL)	
	0.4/0.0	2.3	4	12-15'		
15						
						15.0
					End of Boring	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-214

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/3/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/3/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

	SAMPLE				Soil Information	
0	PID	Rec.	No.	Depth	Remarks	
	27.1/0.0	3.3	1	0-4'	Concrete	0.3
					Sub-base	0.6
					Brown, SILT, some fine Sand, trace Gravel, dry to moist (fill)	1.5
					Black, fine to medium SAND, some fine Gravel, little Silt, dry, odor (fill)	2.2
					Brown/dark brown SILT, some fine Sand, moist (Native)	4.0
	0.7/0.0	2.7	2	4-8'	Brown to gray, fine to medium SAND, little Silt, dry to moist	
5						
	0.5/0.0	3.0	3	8-12'		
					@10.1 increase in GRAVEL, moist to wet	
10						10.4
					Red brown/brown, Silty CLAY, moist to wet	11.2
					Red brown/brown, fine SAND, some Silt, little to trace fine Gravel, moist to wet (TILL)	
	0.7/0.0	2.5	4	12-15'	s.a.a., wet, softer	
15						15.0
					End of Boring	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-215

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/4/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/4/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

0	SAMPLE PID	Rec.	No.	Depth	Soil Information Remarks	
	1.0/0.1	2.7	1	0-4'	Brown, fine to course SAND and Gravel, little Silt, moist	0.8
					Brown to black, fine SAND, some Silt, little fine Gravel and Cinder, dry to moist (Misc. Fill)	1.5
					Dark brown, fine SAND, some Silt, trace organics, moist (Native)	3.8
					s.a.a., Light brown, no organics	
	1.3/0.8	2.9	2	4-8'		
5						5.0
					Brown, fine to course SAND, little Silt and Gravel, dry	6.2
					Brown, fine SAND, some Silt, wet	6.6
					Red brown, SILT, Clay, moist	7.2
					Brown, fine SAND, little Silt, wet	8.0
	0.5/0.3	2.1	3	8-10'	Red brown/gray	9.0
					Red brown/gray, fine SAND, some Silt, trace fine Gravel, moist to wet (TILL)	
10						10.25
					End of Boring/Refusal	
15						
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-216

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/4/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/4/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

	SAMPLE				Soil Information	
0	PID	Rec.	No.	Depth	Remarks	
	0.7/0.0	2.7	1	0-4'	Brown, fine to course SAND, some Silt, little fine Gravel, dry	0.4
					Black, fine SAND, little cinders, dry, yellow staining, red concrete (Misc. Fill)	1.0
					Dark brown, fine SAND, some Silt, moist (Native)	3.6
					Light brown, silty CLAY, moist	4.0
	1.8/0.0	2.1	2	4-8'	Light brown/gray, fine SAND, little Silt, wet	
5						
					Red brown/gray, silty CLAY, moist	7.2
					Brown, fine to medium SAND, wet	7.6
					Red brown/gray, silty CLAY	
	0.3/0.0	3.3	3	8-12'		8.7
					Red brown/gray, fine SAND, some Silt, wet	
10						9.7
					Red brown/gray, fine SAND, some Silt, little fine Gravel, wet (TILL)	
	0.3/0.0	0.5	4	12-15'		
15						15.0
					End of Boring	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

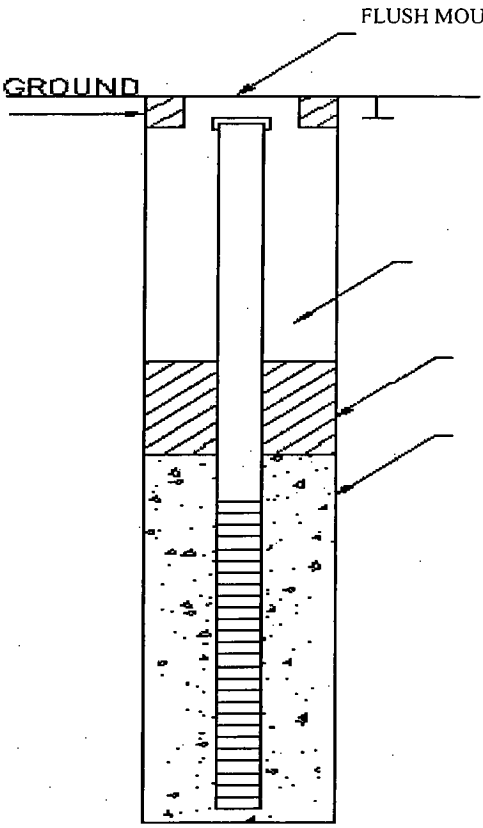
Stantec

OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME 399 Gregory Street
PROJECT NUMBER 190500196
CLIENT City of Rochester
LOCATION See Figure

HOLE DESIGNATION **MW-216**
DATE COMPLETED 8/4/2005
DRILLING METHOD Direct Push
SUPERVISOR D. Gnage



SURFACE SEAL TYPE cement

RISER RECESS 0.35 ft

WELL CASING
ANNULUS BACKFILL
TYPE: cement

TOP OF SEAL @ 1 ft

SEAL TYPE: bentonite crumbles

BOTTOM OF SEAL @ 3 ft

PACK TYPE:
SAND, SIZE #OO sand

TOP OF SCREEN @ 5 ft

BOTTOM OF SCREEN @ 15 ft

BOTTOM OF HOLE @ 15 ft

NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SCREEN TYPE: CONTINUOUS SLOT ____ PERFORATED __X__ LOUVRE ____ OTHER ____

SCREEN MATERIAL: STAINLESS STEEL ____ PVC __X__ OTHER ____

SCREEN LENGTH: 10 ft SCREEN DIAMETER 1 in. SCREEN SLOT SIZE: 10-slot

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 1 in

HOLE DIAMETER: 2-inch

Stantec

2250 Brighton Henrietta Town Line F
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-217

Project:	399 Gregory St.	Drill Contractor:	TREC	Start Date:	8/4/2005
Project #:	190500196	Driller:	P. Willey	Completion Date:	8/4/2005
Client:	City of Rochester	Elevation:		Drilling Method:	Geoprobe
Location:	See Figure	Weather:	Clear 85 deg.	Supervisor:	D. Gnage/P. Smith

	SAMPLE				Soil Information	
0	PID	Rec.	No.	Depth	Remarks	
					Concrete	0.4
	22.5/0.0	2.5	1	0.4-4'	Sub-base	0.8
					Brown, fine SAND, some Silt, dry to moist	1.1
					Black, fine SAND, some Cinder, dry (Misc. Fill)	1.6
					Brown to dark brown, fine SAND, some Silt, dry to moist (Native)	
	1.0/0.4	3.0	2	4-8'		
5						3.0
					Red brown/gray, silty CLAY, moist, rust mottling (Sands), moist	
						6.6
					Brown, fine to medium SAND, little to trace Silt, moist to wet	
	0.5/0.0	2.8	3	8-12'		
					@9.0' wet	
10						
						11.5
					Red/brown/gray, fine SAND, some Silt, little to trace fine Gravel, wet	
	0.0/0.0	1.7	4	12-15'		
15						15.0
					End of Boring	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

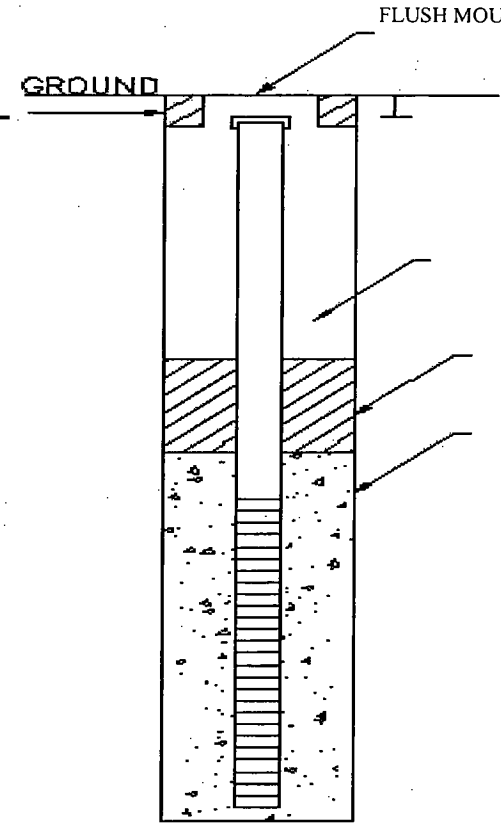
Stantec

OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME 399 Gregory Street
PROJECT NUMBER 190500196
CLIENT City of Rochester
LOCATION See Figure

HOLE DESIGNATION **MW-217**
DATE COMPLETED 8/4/2005
DRILLING METHOD Direct Push
SUPERVISOR D. Gnage



SURFACE SEAL TYPE cement

TOP OF SEAL @ 1 ft

BOTTOM OF SEAL @ 3.5 ft

TOP OF SCREEN @ 5 ft

BOTTOM OF SCREEN @ 15 ft

BOTTOM OF HOLE @ 15 ft

RISER RECESS 0.2 ft

WELL CASING
ANNULUS BACKFILL
TYPE: cement

SEAL TYPE: bentonite crumbles

PACK TYPE:
SAND, SIZE #OO sand

NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SCREEN TYPE: CONTINUOUS SLOT ____ PERFORATED __X__ LOUVRE ____ OTHER ____

SCREEN MATERIAL: STAINLESS STEEL ____ PVC __X__ OTHER ____

SCREEN LENGTH: 10 ft SCREEN DIAMETER 1 in. SCREEN SLOT SIZE: 10-slot

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 1 in

HOLE DIAMETER: 2-inch

C

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Pete Smith Date/Time Prepared 8/22/2005 @10am

Preparer's Affiliation STANTEC Phone No. (585) 413 5635

Purpose of Investigation SI / RA , Brownfield Investigation former Davidson Collision, 399 Gregory St.

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: (Y) / N

Last Name: Trickey First Name: John

Address: P.O. Box 18491, Rochester, NY 14610

County: Monroe

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential School (Commercial/Multi-use) 1 st Floor - Credit Union Coffee Shop 2nd Floor - Apartments

Industrial Church Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Credit Union ; Coffee Shop

Does it include residences (i.e., multi-use)? (Y) / N If yes, how many? 2-3

Other characteristics:

Number of floors 3 Building age circa 1885

Is the building insulated? Y / N How air tight? Tight / Average / (Not Tight)

4. AIRFLOW (Tracer smoke used; See Photos)

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Air flow between center room and western room ; Back stairwell movement up to first floor.

Airflow near source

No movement in Sump; Hot water tanks have strong wicking effect on chimney near source.

Outdoor air infiltration

Air entering around door. Air exiting at former window opening wall penetration for air conditioning strong outward flow . Window near fuel oil tanks airflow inward.

Infiltration into air ducts

Air getting pushed out new duct wall penetration

Old furnace strong wicking on chimmney near source area . Former abandoned duct work no air movement

5. **BASEMENT AND CONSTRUCTION CHARACTERISTICS** (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	(brick)
b. Basement type:	full	crawlspace	slab	(other) _____
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	(uncovered)	covered	covered with _____	
e. Concrete floor:	(unsealed)	sealed	sealed with _____	
f. Foundation walls:	poured	block	(stone)	other _____
g. Foundation walls:	(unsealed)	sealed	sealed with _____	
h. The basement is:	wet	(damp)	dry	moldy
i. The basement is:	finished	(unfinished)	partially finished	
j. Sump present?	(Y) / N			
k. Water in sump?	Y / (N) / not applicable			

Basement/Lowest level depth below grade: 8 1/2 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Southeast corner of basement, sump present- hole in floor, unlined 20" X 20" x 16"

6. **HEATING, VENTING and AIR CONDITIONING** (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

(Hot air circulation)	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Gas water heaters (3)

Boiler/furnace located in: (Basement) Outdoors Main Floor Other_____

Air conditioning: (Central Air) Window units Open Windows None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Old ducts and furnaces, present, but not in use. New (<1 year) ducts and HVAC system present in central basement area. Most ducts taped / sealed ; tightness good.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom (Almost Never)

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Utilities and Storage
1st Floor	Office and Retail
2nd Floor	Apartments
3rd Floor	
4th Floor	Under renovation

8. FACTORS THAT MAY influence INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the ~~garage~~ basement (e.g., lawnmower, atv, car) (Y) / N / NA Please specify Old heating Oil Tanks

d. Has the building ever had a fire? Y / (N) When?

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type?

g. Is there smoking in the building? Y / (N) How frequently?

h. Have cleaning products been used recently? (Y) / N When & Type? Normal cleaning products
Windex, etc.

i. Have cosmetic products been used recently? Y (N) When & Type? _____
2 nd Floor only - air fresheners

j. Has painting/staining been done in the last 6 months? (Y) / N Where & When? 1 st Floor Credit Union

k. Is there new carpet, drapes or other textiles? (Y) / N Where & When? Credit Union - 5/2005

l. Have air fresheners been used recently? Y / N When & Type? Unknown

m. Is there a kitchen exhaust fan? (Y) / N If yes, where vented? _____
1st Floor Credit Union has Fresh Air Machine,vents to outside

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? Same as above

o. Is there a clothes dryer? (Y) / N If yes, is it vented outside? (Y) / N 2nd Floor

p. Has there been a pesticide application? Y (N) When & Type? _____

Are there odors in the building? Y (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

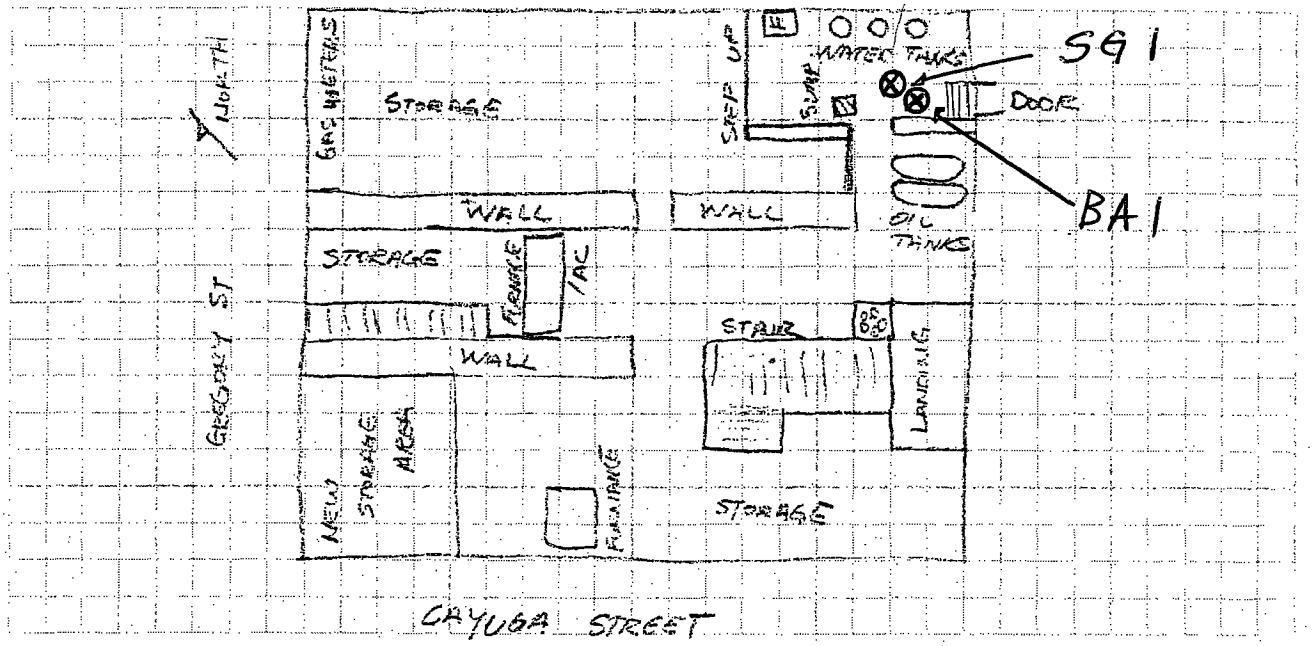
a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

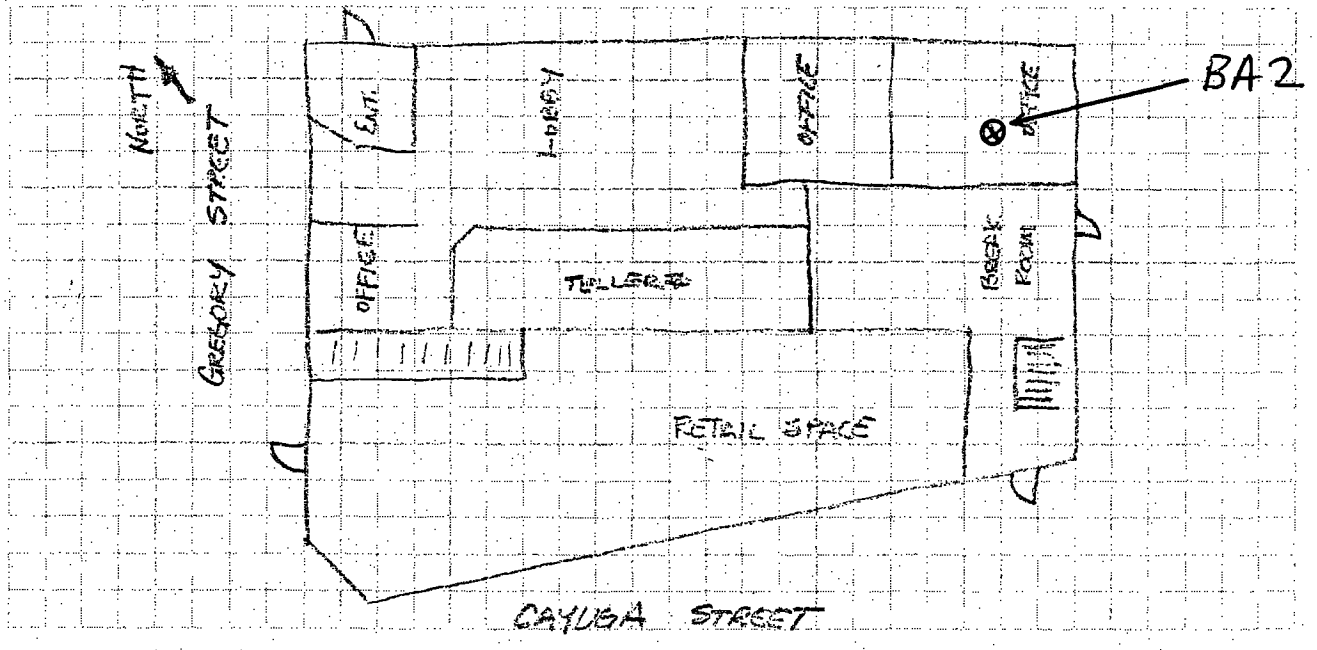
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



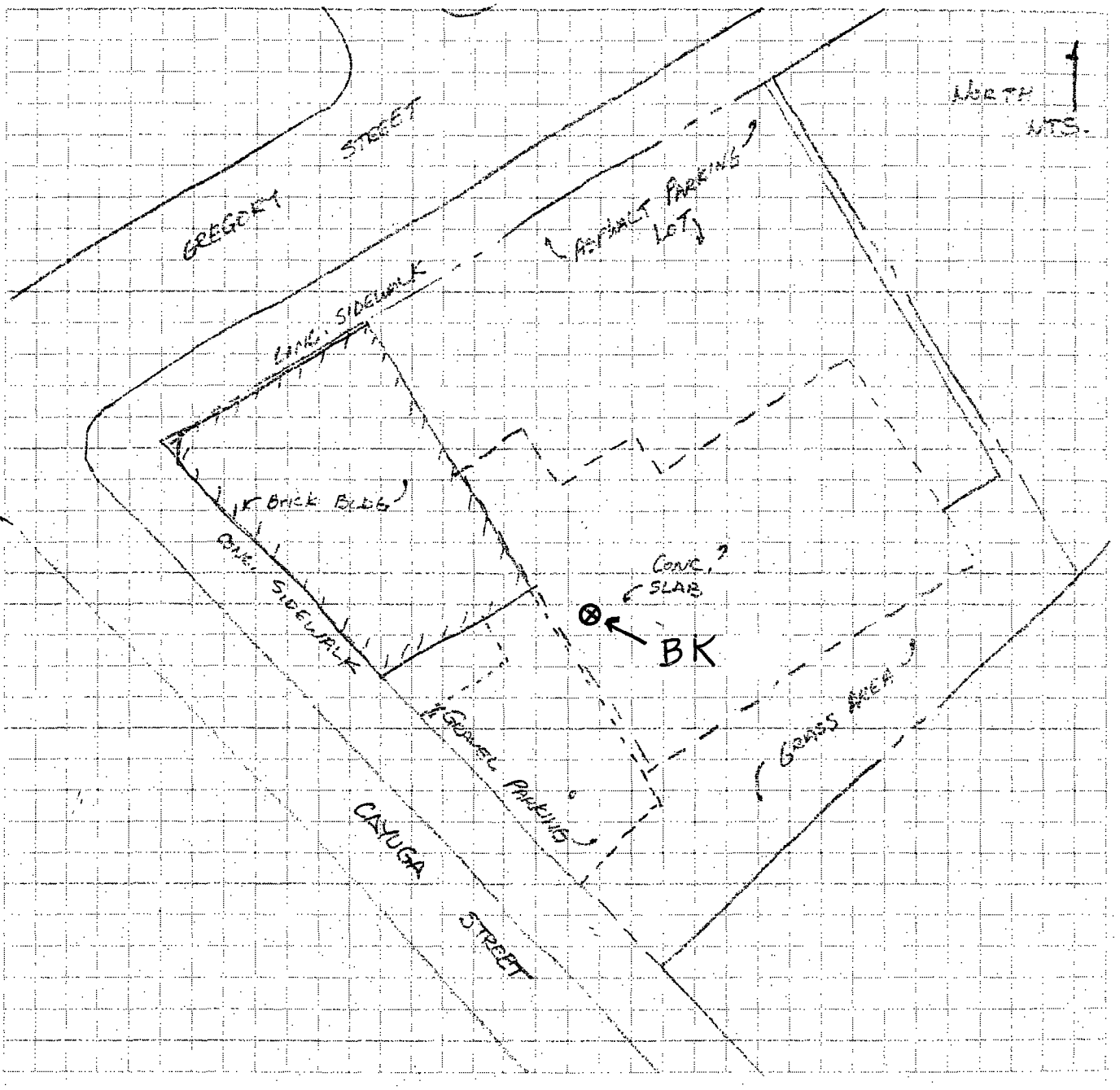
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppb Rae

List specific products found in the residence that have the potential to affect indoor air quality.

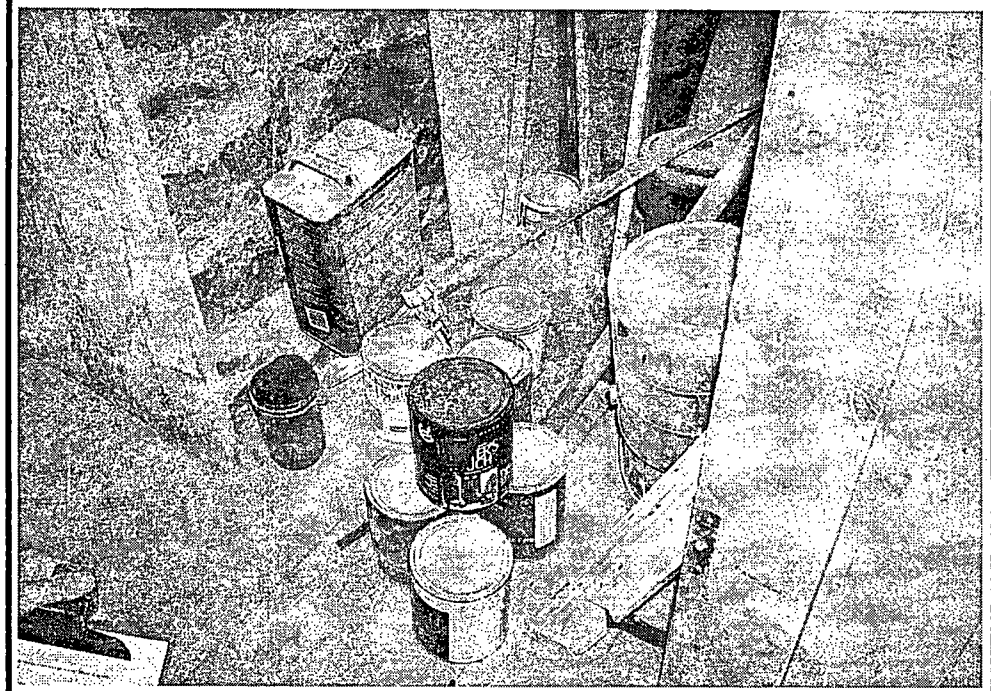
backround 36 ppb

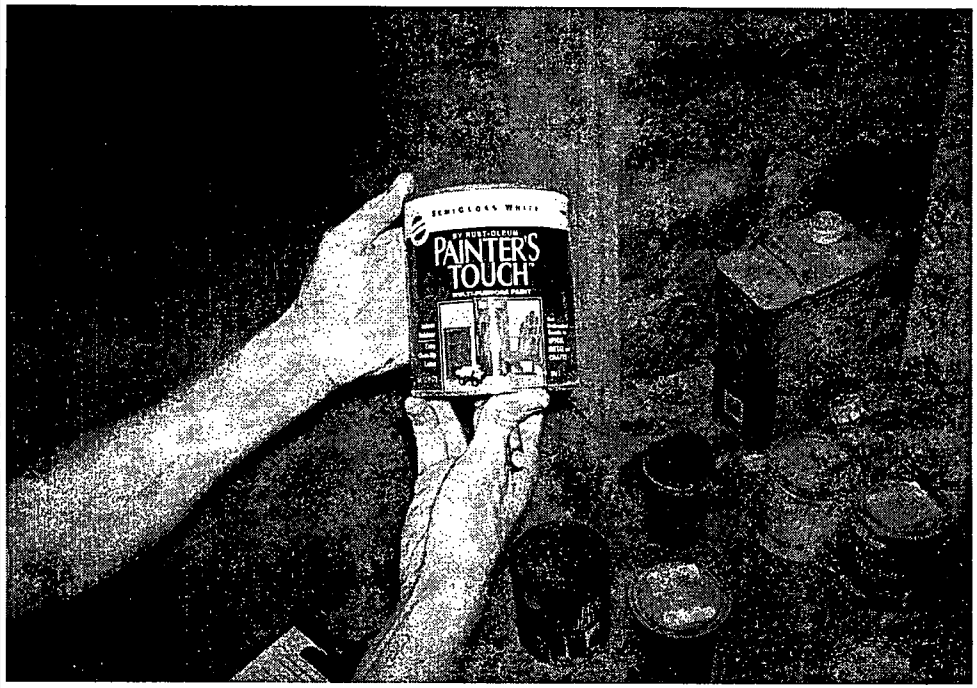
Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
basement sump	125 ppb and climbing - due to moisture				125+/-	Y
Products in back stairwell						
	(9) Paint cans	1 gal.	Used	5 - latex	82-105	Y
		1 pt.		1 - satin		
				3 - enamel - contains		
				petroleum distillates		
	(1)ea denatured	1 gal.	Used			
	alcohol solvent					
	(10) ea Paint	1 gal.	Used	Paint , latex	150	Y
West side basement						
	(6) ea Paint	1 gal.	Used	House paint , latex, primer	170	Y
	(1) 3 in 1 oil	3 oz.	Used	Petroleum Oil	162	Y

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Stantec

399 GREGORY STREET
ROCHESTER, NEW YORK





DESCRIPTION:

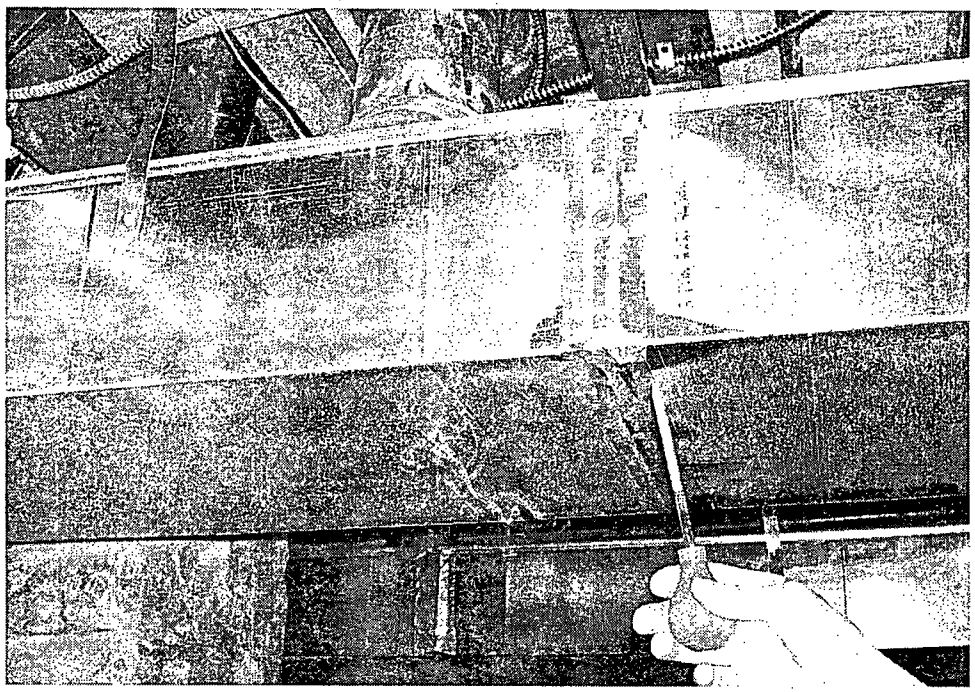
MISC. PAINTS UNDER BACK STAIRS

DESCRIPTION:

ENAMEL PAINT

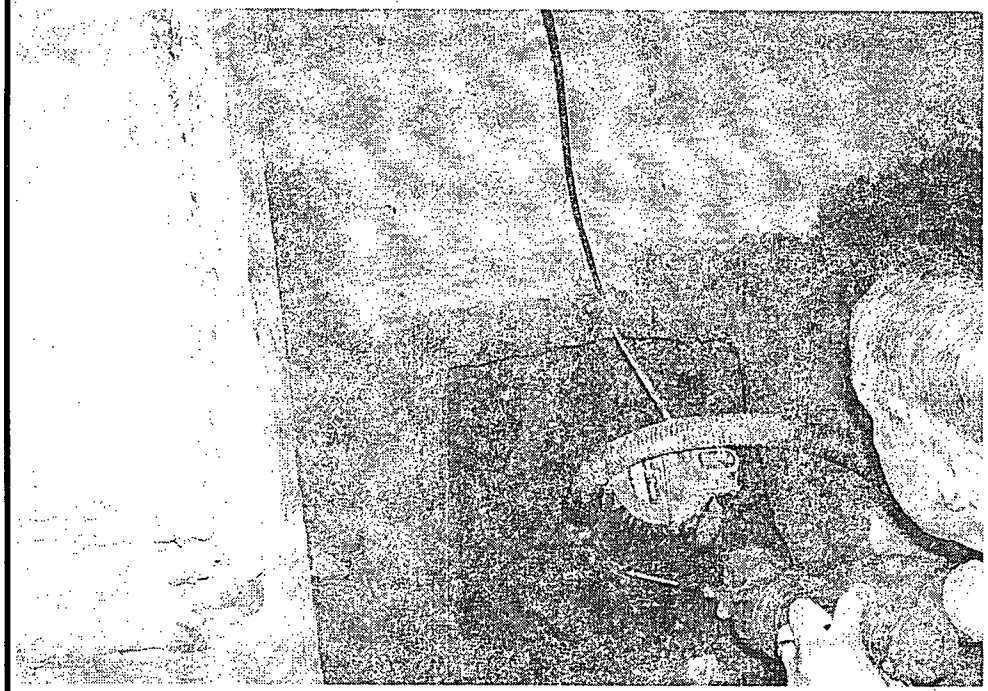
Stantec

399 GREGORY STREET
ROCHESTER, NEW YORK



DESCRIPTION:

AIR FLOW TESTING WITH SMOKE TUBES, NEW DUCT SYSTEM

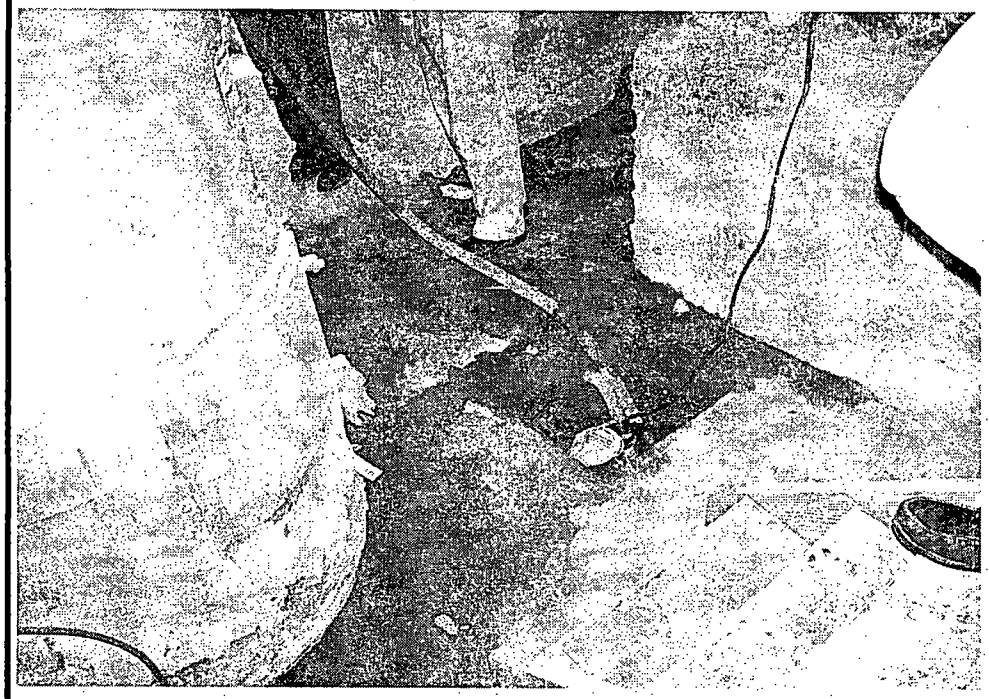


DESCRIPTION:

AIR FLOW TESTING WITH SMOKE TUBES, SUMP (DRY)

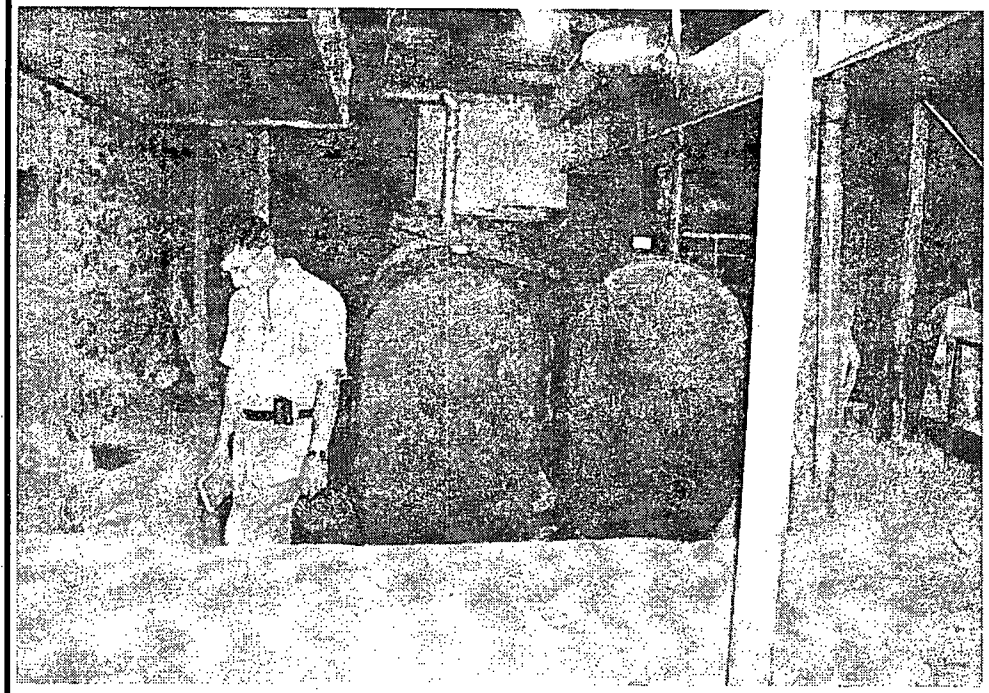
Stantec

399 GREGORY STREET
ROCHESTER, NEW YORK



DESCRIPTION:

Sump (dry) with discharge hose, adjacent to former boiler



DESCRIPTION:

Former fuel oil tanks

D

Smith, Peter

From: krupa [krupa@chemtech.net]
Sent: Friday, January 04, 2008 1:57 PM
To: Smith, Peter
Cc: Divya Mehta; James Bell; Joe Dockery
Subject: NYSDEC comment
Attachments: olm042_a-d.pdf

Hi Pete,

Samples received in August 2005 were analyzed by Method OLM04.2. Samples received in November 2005 were analyzed by Method SW846 8260.

Per requirement for Method OLM04.2 reporting, Exhibit C enclosed here, the target compounds must be reported on Form 1 to the Contract Required Quantitation Limit. All compounds detected at a concentration below our MDL are reported on Form 1 with a U flag. All compounds detected at a concentration between our MDL and CRQL are reported on Form 1 with a J flag.

Please email me if you have any further questions or concerns.

Thanks,

Krupa Dubey
CHEMTECH

284 Sheffield Street
Mountainside, NJ 07092
Phone: (908) 789 8900
Fax: (908) 789 8922
www.chemtech.net

==========

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1.0 VOLATILES TARGET COMPOUND LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

	Volatiles	CAS Number	Quantitation Limits: Water ug/L	Low Soil ug/Kg	Med. Soil ug/Kg	On Column (ng)
	1. Dichlorodifluoromethane	*75-71-8*	*10*	*10*	*1200*	*(50)*
	2. Chloromethane	74-87-3	10	10	1200	(50)
	3. Vinyl Chloride	75-01-4	10	10	1200	(50)
	4. Bromomethane	74-83-9	10	10	1200	(50)
	5. Chloroethane	75-00-3	10	10	1200	(50)
	6. Trichlorofluoromethane	*75-69-4*	*10*	*10*	*1200*	*(50)*
	7. 1,1-Dichloroethene	75-35-4	10	10	1200	(50)
	8. 1,1,2-Trichloro-1,2,2-trifluoroethane	*76-13-1*	*10*	*10*	*1200*	*(50)*
	9. Acetone	67-64-1	10	10	1200	(50)
	10. Carbon Disulfide	75-15-0	10	10	1200	(50)
	11. Methyl Acetate	*79-20-9*	*10*	*10*	*1200*	*(50)*
	12. Methylene Chloride	75-09-2	10	10	1200	(50)
	13. trans-1,2-Dichloroethene	*156-60-5*	10	10	1200	(50)
	14. Methyl tert-Butyl Ether	*1634-04-4*	*10*	*10*	*1200*	*(50)*
	15. 1,1-Dichloroethane	75-34-3	10	10	1200	(50)
	16. cis-1,2-Dichloroethene	*156-59-2*	10	10	1200	(50)
	17. 2-Butanone	78-93-3	10	10	1200	(50)
	18. Chloroform	67-66-3	10	10	1200	(50)
	19. 1,1,1-Trichloroethane	71-55-6	10	10	1200	(50)
	20. Cyclohexane	*110-82-7*	*10*	*10*	*1200*	*(50)*
	21. Carbon Tetrachloride	56-23-5	10	10	1200	(50)
	22. Benzene	71-43-2	10	10	1200	(50)
	23. 1,2-Dichloroethane	107-06-2	10	10	1200	(50)
	24. Trichloroethene	79-01-6	10	10	1200	(50)
	25. Methylcyclohexane	*108-87-2*	*10*	*10*	*1200*	*(50)*
	26. 1,2-Dichloropropane	78-87-5	10	10	1200	(50)
	27. Bromodichloromethane	75-27-4	10	10	1200	(50)
	28. cis-1,3-Dichloropropene	10061-01-5	10	10	1200	(50)
	29. 4-Methyl-2-pentanone	108-10-1	10	10	1200	(50)
	30. Toluene	108-88-3	10	10	1200	(50)
	31. trans-1,3-Dichloropropene	10061-02-6	10	10	1200	(50)
	32. 1,1,2-Trichloroethane	79-00-5	10	10	1200	(50)
	33. Tetrachloroethene	127-18-4	10	10	1200	(50)
	34. 2-Hexanone	591-78-6	10	10	1200	(50)
	35. Dibromochloromethane	124-48-1	10	10	1200	(50)

1.0 VOLATILES TARGET COMPOUND LIST AND CONTRACT REQUIRED QUANTITATION LIMITS (Con't)

	Volatiles	CAS Number	Quantitation Limits Water µg/L	Low Soil µg/Kg	Med. Soil µg/Kg	On Column (ng)
36.	*1,2-Dibromoethane*	*106-93-4*	*10*	*10*	*1200*	*(50)*
37.	Chlorobenzene	108-90-7	10	10	1200	(50)
38.	Ethylbenzene	100-41-4	10	10	1200	(50)
39.	Xylenes (total)	1330-20-7	10	10	1200	(50)
40.	Styrene	100-42-5	10	10	1200	(50)
41.	Bromoform	75-25-2	10	10	1200	(50)
42.	*Isopropylbenzene*	*98-82-8*	*10*	*10*	*1200*	*(50)*
43.	1,1,2,2-Tetrachloroethane	79-34-5	10	10	1200	(50)
44.	*1,3-Dichlorobenzene*	*541-73-1*	*10*	*10*	*1200*	*(50)*
45.	*1,4-Dichlorobenzene*	*106-46-7*	*10*	*10*	*1200*	*(50)*
46.	*1,2-Dichlorobenzene*	*95-50-1*	*10*	*10*	*1200*	*(50)*
47.	*1,2-Dibromo-3-chloropropane*	*96-12-8*	*10*	*10*	*1200*	*(50)*
48.	*1,2,4-Trichlorobenzene*	*120-82-1*	*10*	*10*	*1200*	*(50)*

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

COC Number 055515

CLIENT INFORMATION

REPORT TO BE SENT TO

COMPANY:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION:

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: DAYS *

HARD COPY: DAYS *

EDD: DAYS *

* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☐ USEPA CLP
- ☑ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY:
		1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY:
		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY:
		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant Cooler Temp.

MeOH extraction requires an additional 4 oz jar for percent solid.

Comments:

Ice in Cooler?:

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

COC Number 053665

CLIENT INFORMATION

REPORT TO BE SENT TO

COMPANY: Stantec

ADDRESS: 200 Cottontail Lane

CITY: Somerset STATE: NJ ZIP: 08873

ATTENTION: Robert Ely

PHONE: 732-469-8700 FAX: 732-469-5951

CLIENT PROJECT INFORMATION

PROJECT NAME: 394 Gregory St

PROJECT NO: 1505600191 LOCATION: Nutley

PROJECT MANAGER: M. Sivinski

e-mail: msivinski@stantec.com

PHONE: 732-469-8700 FAX: 732-469-5951

CLIENT BILLING INFORMATION

BILL TO: Same PO#:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX 10 DAYS *

HARD COPY 10 DAYS *

EDD 10 DAYS *

* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☐ USEPA CLP
- ☒ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

1 TCL VOCs + CP-51 + TICs 8260B
2 TCL SVOCs + CP-51 + TICs 8270C
3 TCL Pesticides + PCBs 8081A/8082A
4 TAL Metals 6010B/7471A
5 TCL VOCs 8260B
6 TAL Metals 6010B/7471A
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
	SS-B204-S	SO		X	2/17/06	0940	1	X									
	SS-B205-S			X		1005	1	X									
	SS-B203-S			X		1124	1	X									
	SS-B206-S			X		1330	1	X									
	SS-B207-S			X		1515	1	X									
	SS-B202-S MS/MSD			X		1000	2	X									
	SS-B201-S			X		1030	1	X									
	SS-B214-S			X		1100	2	X		X		X	X				
	SS-B208-S-Dup			X		1200	2	X		X		X	X				
	SS-B209-S			X	2/17/06	1315	1	X									1 of 2

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY: 1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY: 2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY: 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant Cooler Temp.

MeOH extraction requires an additional 4 oz jar for percent solid.

Comments:

Ice in Cooler?:

Page 1 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

COC Number 053093

CLIENT INFORMATION

REPORT TO BE SENT TO

COMPANY:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION:

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 10 DAYS *

HARD COPY: 10 DAYS *

EDD: 10 DAYS *

* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☐ USEPA CLP
- ☑ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

TCL VOCs + 10 CAM + 25 TICs

TCL SVOCs + 10 CAM + 25 TICs

TAL Pest/PCB

TAL Metals

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.																	
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY: 1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY: 2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY: 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant

MeOH extraction requires an additional 4 oz jar for percent solid.

Comments:

Cooler Temp.

Ice in Cooler?:

Page 2 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

evision 4/2005

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CHAIN OF CUSTODY RECORD

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(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

COC Number 053364

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION:

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 10 DAYS *

HARD COPY 5 DAYS *

EDD 7 DAYS *

* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☐ USEPA CLP
- ☒ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY: 1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY: 2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY: 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant Cooler Temp.

MeOH extraction requires an additional 4 oz jar for percent solid.

Comments:

Ice in Cooler?:

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH

CHAIN OF CUSTODY RECORD

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www.chemtech.net

CHEMTECH PROJECT NO.

COC Number 053778

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION:

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 2 DAYS *

HARD COPY: 2 DAYS *

EDD: 2 DAYS *

* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☐ USEPA CLP
- ☒ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY:
		1.
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant Cooler Temp. ____

MeOH extraction requires an additional 4 oz jar for percent solid.

Comments: Ice in Cooler?: ____

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

COC Number 050314

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION:

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX _____ DAYS *

HARD COPY _____ DAYS *

EDD _____ DAYS *

* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT _____
- ☐ USEPA CLP
- ☒ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other _____

ANALYSIS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
																	217

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY:
		1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY:
		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY:
		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant

Cooler Temp. _____

MeOH extraction requires an additional 4 oz jar for percent solid.

Comments:

Ice in Cooler?: _____

Page 1 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

COC Number 053777

CLIENT INFORMATION

REPORT TO BE SENT TO

COMPANY:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION:

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX ____ DAYS *

HARD COPY ____ DAYS *

EDD ____ DAYS *

TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT ____
- ☐ USEPA CLP
- ☒ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other ____

ANALYSIS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
		GW		X			2	X									
				X			2	X									
				X			2	X									
				X			2	X									
				X			2	X									
				X			15	X		X		X	X				
				X			7	X		X		X	X				

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME:	RECEIVED BY: 1.
RELINQUISHED BY	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY: 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant

MeOH extraction requires an additional 4 oz jar for percent solid.

Comments:

Cooler Temp. ____

Ice in Cooler?: ____

Page 2 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

COC Number 053868

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY:

ADDRESS

CITY: STATE: ZIP:

ATTENTION:

PHONE FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO. LOCATION:

PROJECT MANAGER:

e-mail:

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: DAYS *

HARD COPY DAYS *

EDD DAYS *

TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☐ USEPA CLP
- ☑ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
		GW		X			2	X									
		↓		X	↓		2	X									

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
		1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant Cooler Temp.

MeOH extraction requires an additional 4 oz jar for percent solid.

Comments:

Ice in Cooler?:

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

ANALYTICAL RESULTS
SUMMARY

PROJECT NAME: Gregory St

STANTEC
2250 BRIGHTON-HENRIETTA TOWN LINE ROAD
ROCHESTER, NY 14623-2674
5854751440

CHEMTECH PROJECT NO. **T4080**
ATTENTION: **Pete Smith**

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B204-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-01

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081113.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 14 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethan	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	11	J
75-15-0	Carbon disulfide	12	U
1634-04-4	Methyl tert-butyl Ether	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	2.3	JB
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
110-82-7	Cyclohexane	12	U
78-93-3	2-Butanone	58	U
56-23-5	Carbon Tetrachloride	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
108-87-2	Methylcyclohexane	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	58	U
108-88-3	Toluene	12	U
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	58	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B204-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-01

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081113.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 14 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B204-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-01

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081113.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: not dec. 14 Date Analyzed: 8/11/2005

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B205-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-02

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081106.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 16 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethan	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	27	J
75-15-0	Carbon disulfide	12	U
1634-04-4	Methyl tert-butyl Ether	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	3.0	JB
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
110-82-7	Cyclohexane	12	U
78-93-3	2-Butanone	60	U
56-23-5	Carbon Tetrachloride	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
108-87-2	Methylcyclohexane	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	60	U
108-88-3	Toluene	12	U
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	60	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B205-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-02

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081106.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 16 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	1.3	J
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B205-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-02

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081106.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: not dec. 16 Date Analyzed: 8/11/2005

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	000527-53-7	Benzene, 1,2,3,5-tetramethyl	10.37	370	J
2.	002049-95-8	Benzene, (1,1-dimethylpropyl	10.64	650	J
3.		Unknown10.69	10.69	230	J
4.	002050-24-0	Benzene, 1,3-diethyl-5-methy	10.90	560	J
5.	004912-92-9	1H-Indene, 2,3-dihydro-1,1-d	10.96	220	J
6.	062016-34-6	Octane, 2,3,7-trimethyl-	11.01	190	J
7.	002613-76-5	1H-Indene, 2,3-dihydro-1,1,3	11.17	210	J
8.	017057-82-8	1H-Indene, 2,3-dihydro-1,2-d	11.42	210	J
9.	025419-33-4	Naphthalene, 1,2,3,4-tetrahy	11.52	200	J
0.	000769-25-5	Benzene, 2-ethenyl-1,3,5-tri	11.65	240	J

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B203-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-03

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080912.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 13 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
76-13-1	1,1,2-Trichlorotrifluoroethan	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	57	U
75-15-0	Carbon disulfide	11	U
1634-04-4	Methyl tert-butyl Ether	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	3.5	JB
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
110-82-7	Cyclohexane	11	U
78-93-3	2-Butanone	57	U
56-23-5	Carbon Tetrachloride	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
108-87-2	Methylcyclohexane	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
108-10-1	4-Methyl-2-Pentanone	57	U
108-88-3	Toluene	11	U
10061-02-6	t-1,3-Dichloropropene	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
591-78-6	2-Hexanone	57	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B203-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-03

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080912.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 13 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/Kg	Q
124-48-1	Dibromochloromethane		11	U
106-93-4	1,2-Dibromoethane		11	U
127-18-4	Tetrachloroethene		11	U
108-90-7	Chlorobenzene		11	U
100-41-4	Ethyl Benzene		11	U
126777-61-2	m/p-Xylenes		11	U
95-47-6	o-Xylene		11	U
100-42-5	Styrene		11	U
75-25-2	Bromoform		11	U
98-82-8	Isopropylbenzene		11	U
79-34-5	1,1,2,2-Tetrachloroethane		11	U
541-73-1	1,3-Dichlorobenzene		11	U
106-46-7	1,4-Dichlorobenzene		11	U
95-50-1	1,2-Dichlorobenzene		11	U
96-12-8	1,2-Dibromo-3-Chloropropane		11	U
120-82-1	1,2,4-Trichlorobenzene		11	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B203-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-03

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080912.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 13 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	061141-72-8	Dodecane, 4,6-dimethyl-	11.64	6.6	J

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B203-SRE

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-03RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081114.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 13 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethan	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	58	U
75-15-0	Carbon disulfide	12	U
1634-04-4	Methyl tert-butyl Ether	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	2.5	JB
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
110-82-7	Cyclohexane	12	U
78-93-3	2-Butanone	58	U
56-23-5	Carbon Tetrachloride	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
108-87-2	Methylcyclohexane	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	58	U
108-88-3	Toluene	12	U
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	58	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B203-SRE

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-03RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081114.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 13 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B203-SRE

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-03RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081114.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 13 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B206-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-04

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080913.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 7 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
76-13-1	1,1,2-Trichlorotrifluoroethan	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	18	J
75-15-0	Carbon disulfide	1.3	J
1634-04-4	Methyl tert-butyl Ether	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	4.2	JB
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
110-82-7	Cyclohexane	11	U
78-93-3	2-Butanone	54	U
56-23-5	Carbon Tetrachloride	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
108-87-2	Methylcyclohexane	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
108-10-1	4-Methyl-2-Pentanone	54	U
108-88-3	Toluene	11	U
10061-02-6	t-1,3-Dichloropropene	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
591-78-6	2-Hexanone	54	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B206-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-04

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080913.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 7 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethyl Benzene	11	U
126777-61-2	m/p-Xylenes	11	U
95-47-6	o-Xylene	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-Chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B206-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-04

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080913.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 7 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B207-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-05

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080914.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 9 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
76-13-1	1,1,2-Trichlorotrifluoroethan	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	55	U
75-15-0	Carbon disulfide	11	U
1634-04-4	Methyl tert-butyl Ether	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	3.2	JB
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
110-82-7	Cyclohexane	11	U
78-93-3	2-Butanone	55	U
56-23-5	Carbon Tetrachloride	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
108-87-2	Methylcyclohexane	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
108-10-1	4-Methyl-2-Pentanone	55	U
108-88-3	Toluene	11	U
10061-02-6	t-1,3-Dichloropropene	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
591-78-6	2-Hexanone	55	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B207-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-05

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080914.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 9 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethyl Benzene	11	U
126777-61-2	m/p-Xylenes	11	U
95-47-6	o-Xylene	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-Chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B207-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-05

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080914.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 9 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B202-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-06

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080915.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 15 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethan	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	59	U
75-15-0	Carbon disulfide	12	U
1634-04-4	Methyl tert-butyl Ether	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	3.4	JB
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
110-82-7	Cyclohexane	12	U
78-93-3	2-Butanone	59	U
56-23-5	Carbon Tetrachloride	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
108-87-2	Methylcyclohexane	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	59	U
108-88-3	Toluene	12	U
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	59	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B202-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-06

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080915.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 15 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B202-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-06

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080915.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 15 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B201-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-09

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081105.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 12 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
76-13-1	1,1,2-Trichlorotrifluoroethan	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	57	U
75-15-0	Carbon disulfide	11	U
1634-04-4	Methyl tert-butyl Ether	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	3.9	JB
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
110-82-7	Cyclohexane	11	U
78-93-3	2-Butanone	57	U
56-23-5	Carbon Tetrachloride	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
108-87-2	Methylcyclohexane	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
108-10-1	4-Methyl-2-Pentanone	57	U
108-88-3	Toluene	11	U
10061-02-6	t-1,3-Dichloropropene	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
591-78-6	2-Hexanone	57	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B201-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-09

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081105.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 12 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethyl Benzene	11	U
126777-61-2	m/p-Xylenes	11	U
95-47-6	o-Xylene	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-Chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B201-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-09

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081105.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 12 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B214-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-10

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081111.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 15 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethan	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	130	
75-15-0	Carbon disulfide	4.0	J
1634-04-4	Methyl tert-butyl Ether	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	3.6	JB
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
110-82-7	Cyclohexane	12	U
78-93-3	2-Butanone	18	J
56-23-5	Carbon Tetrachloride	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
108-87-2	Methylcyclohexane	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	59	U
108-88-3	Toluene	1.3	J
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	59	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B214-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-10

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081111.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 15 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	1.9	J
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B214-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-10

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081111.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: not dec. 15 Date Analyzed: 8/11/2005

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	056253-64-6	Benzene, (2-methyl-1-butenyl	10.51	140	J
2.	017312-81-1	Undecane, 3,5-dimethyl-	10.61	170	J
3.	000582-60-5	1H-Benzimidazole, 5,6-dimeth	10.90	310	J
4.	017059-48-2	1H-Indene, 2,3-dihydro-1,6-d	10.95	260	J
5.	062016-34-6	Octane, 2,3,7-trimethyl-	11.01	140	J
6.	054340-86-2	Benzene, 4-(2-butenyl)-1,2-d	11.17	380	J
7.	001075-22-5	1H-Indene, 2,3-dihydro-5,6-d	11.29	250	J
8.	001559-81-5	Naphthalene, 1,2,3,4-tetrahy	11.41	270	J
9.	040650-41-7	1H-Indene, 2,3-dihydro-1,1,5	11.52	240	J
0.		Unknown11.74	11.74	130	J

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-S-DUP

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-11

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080919.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 14 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethan	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	230	
75-15-0	Carbon disulfide	5.1	J
1634-04-4	Methyl tert-butyl Ether	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	3.3	JB
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
110-82-7	Cyclohexane	12	U
78-93-3	2-Butanone	33	J
56-23-5	Carbon Tetrachloride	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
108-87-2	Methylcyclohexane	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	58	U
108-88-3	Toluene	12	U
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	58	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-S-DUP

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-11

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080919.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 14 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-XX-S-DUP

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-11

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080919.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: not dec. 14 Date Analyzed: 8/9/2005

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	000629-50-5	Tridecane	10.60	110	J
2.	002050-24-0	Benzene, 1,3-diethyl-5-methy	10.89	220	J
3.	017057-82-8	1H-Indene, 2,3-dihydro-1,2-d	10.95	160	J
4.	054340-86-2	Benzene, 4-(2-butenyl)-1,2-d	11.16	260	J
5.	006682-71-9	1H-Indene, 2,3-dihydro-4,7-d	11.28	120	J
6.	001680-51-9	Naphthalene, 1,2,3,4-tetrahy	11.41	300	J
7.	002613-76-5	1H-Indene, 2,3-dihydro-1,1,3	11.52	330	J
8.	023612-70-6	1H-Pyrrolo[2,3-b]pyridine, 3	11.64	180	J
9.		Unknown11.74	11.74	200	J
0.	042775-75-7	Naphthalene, 5-ethyl-1,2,3,4	11.79	110	J

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B200-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-12

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081118.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 9 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
76-13-1	1,1,2-Trichlorotrifluoroethan	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	11	J
75-15-0	Carbon disulfide	1.3	J
1634-04-4	Methyl tert-butyl Ether	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	3.0	JB
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
110-82-7	Cyclohexane	11	U
78-93-3	2-Butanone	55	U
56-23-5	Carbon Tetrachloride	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
108-87-2	Methylcyclohexane	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
108-10-1	4-Methyl-2-Pentanone	55	U
108-88-3	Toluene	11	U
10061-02-6	t-1,3-Dichloropropene	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
591-78-6	2-Hexanone	55	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B200-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-12

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081118.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 9 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
127-18-4	Tetrachloroethene	1.5	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethyl Benzene	1.4	J
126777-61-2	m/p-Xylenes	2.1	J
95-47-6	o-Xylene	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-Chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B200-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-12

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081118.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 9 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B208-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-13

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081108.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 16 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethan	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	15	J
75-15-0	Carbon disulfide	3.6	J
1634-04-4	Methyl tert-butyl Ether	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	3.1	JB
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
110-82-7	Cyclohexane	12	U
78-93-3	2-Butanone	59	U
56-23-5	Carbon Tetrachloride	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
108-87-2	Methylcyclohexane	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	59	U
108-88-3	Toluene	12	U
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	59	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B208-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-13

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081108.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 16 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B208-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-13

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081108.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 16 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B213-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-14

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080923.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 15 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethan	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	59	U
75-15-0	Carbon disulfide	1.9	J
1634-04-4	Methyl tert-butyl Ether	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	10	JB
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
110-82-7	Cyclohexane	12	U
78-93-3	2-Butanone	59	U
56-23-5	Carbon Tetrachloride	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
108-87-2	Methylcyclohexane	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	59	U
108-88-3	Toluene	1.3	J
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	59	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B213-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-14

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080923.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 15 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B213-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-14

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080923.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: not dec. 15 Date Analyzed: 8/9/2005

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	000629-50-5	Tridecane	9.71	98	J
2.	004176-01-6	Bicyclo[4.1.0]heptan-3-one, 4	10.23	91	J
3.	000112-40-3	Dodecane	10.48	220	J
4.	017301-22-3	Undecane, 2,5-dimethyl-	10.60	150	J
5.	007206-28-2	5-Dodecene, (Z)-	10.89	160	J
6.		Unknown11.15	11.15	330	J
7.	040650-41-7	1H-Indene, 2,3-dihydro-1,1,5	11.52	240	J
8.	005557-93-7	Benzene, 1-(1-methylethenyl)	11.64	92	J
9.		Unknown11.73	11.73	120	J
0.	016440-97-4	1-Indanone, 5,6-dimethyl-	11.93	120	J

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-3217-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-15

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081236.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 12 Date Analyzed: 8/13/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
76-13-1	1,1,2-Trichlorotrifluoroethan	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	56	U
75-15-0	Carbon disulfide	1.8	J
1634-04-4	Methyl tert-butyl Ether	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	7.3	J
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
110-82-7	Cyclohexane	11	U
78-93-3	2-Butanone	56	U
56-23-5	Carbon Tetrachloride	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
108-87-2	Methylcyclohexane	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
108-10-1	4-Methyl-2-Pentanone	56	U
108-88-3	Toluene	1.2	J
10061-02-6	t-1,3-Dichloropropene	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
591-78-6	2-Hexanone	56	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B217-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-15

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081236.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 12 Date Analyzed: 8/13/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
127-18-4	Tetrachloroethene	2.0	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethyl Benzene	11	U
126777-61-2	m/p-Xylenes	1.3	J
95-47-6	o-Xylene	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-Chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B217-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-15

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081236.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: not dec. 12 Date Analyzed: 8/13/2005

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	000112-40-3	Dodecane	10.49	170	J
2.	005337-93-9	4-Methylpropiophenone	10.63	230	J
3.	002050-24-0	Benzene, 1,3-diethyl-5-methy	10.89	200	J
4.	017851-27-3	Benzene, 1-ethyl-2,4,5-trime	10.96	130	J
5.	000629-78-7	Heptadecane	11.15	310	J
6.	001559-81-5	Naphthalene, 1,2,3,4-tetrahy	11.41	150	J
7.		Unknown11.53	11.53	330	J
8.	040650-41-7	1H-Indene, 2,3-dihydro-1,1,5	11.64	100	J
9.	054340-86-2	Benzene, 4-(2-butenyl)-1,2-d	11.75	150	J
0.		Unknown11.93	11.93	160	J

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B212-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-16

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080925.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 15 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethan	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	1.4	J
75-15-0	Carbon disulfide	12	U
1634-04-4	Methyl tert-butyl Ether	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	4.4	JB
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
110-82-7	Cyclohexane	12	U
78-93-3	2-Butanone	59	U
56-23-5	Carbon Tetrachloride	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
108-87-2	Methylcyclohexane	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	59	U
108-88-3	Toluene	12	U
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	59	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B212-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-16

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080925.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 15 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B212-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-16

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080925.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: not dec. 15 Date Analyzed: 8/9/2005

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	052355-42-7	Cyclopropanetetradecanoic ac	11.28	7.7	J
2.	006682-06-0	1H-Indene, 2,3-dihydro-4,5,7	11.52	8.7	J
3.	061141-72-8	Dodecane, 4,6-dimethyl-	11.64	6.2	J
4.	054832-83-6	1H-Indene, octahydro-2,2,4,4	12.34	6.9	J

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B215-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-17

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081109.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 19 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethan	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	62	U
75-15-0	Carbon disulfide	12	U
1634-04-4	Methyl tert-butyl Ether	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	2.8	JB
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
110-82-7	Cyclohexane	12	U
78-93-3	2-Butanone	62	U
56-23-5	Carbon Tetrachloride	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
108-87-2	Methylcyclohexane	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	62	U
108-88-3	Toluene	12	U
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	62	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B215-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-17

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081109.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 19 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B215-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-17

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081109.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 19 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B216-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-18

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080927.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 17 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethan	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	60	U
75-15-0	Carbon disulfide	12	U
1634-04-4	Methyl tert-butyl Ether	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	5.6	JB
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
110-82-7	Cyclohexane	12	U
78-93-3	2-Butanone	60	U
56-23-5	Carbon Tetrachloride	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
108-87-2	Methylcyclohexane	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	60	U
108-88-3	Toluene	4.3	J
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	60	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B216-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-18

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080927.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 17 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B216-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-18

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080927.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 17 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B216-SRE

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-18RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081110.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 17 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethan	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	60	U
75-15-0	Carbon disulfide	12	U
1634-04-4	Methyl tert-butyl Ether	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	3.3	JB
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
110-82-7	Cyclohexane	12	U
78-93-3	2-Butanone	60	U
56-23-5	Carbon Tetrachloride	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
108-87-2	Methylcyclohexane	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	60	U
108-88-3	Toluene	2.1	J
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	60	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B216-SRE

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-18RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081110.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 17 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	1.9	J
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B216-SRE

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-18RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081110.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 17 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B210-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-19

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080928.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 7 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
76-13-1	1,1,2-Trichlorotrifluoroethan	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	20	J
75-15-0	Carbon disulfide	11	U
1634-04-4	Methyl tert-butyl Ether	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	4.0	JB
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
110-82-7	Cyclohexane	11	U
78-93-3	2-Butanone	53	U
56-23-5	Carbon Tetrachloride	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
108-87-2	Methylcyclohexane	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
108-10-1	4-Methyl-2-Pentanone	53	U
108-88-3	Toluene	11	U
10061-02-6	t-1,3-Dichloropropene	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
591-78-6	2-Hexanone	53	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B210-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-19

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080928.D

Level (low/med): LOW Date Received: 8/5/05

% Moisture: not dec. 7 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethyl Benzene	11	U
126777-61-2	m/p-Xylenes	11	U
95-47-6	o-Xylene	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	27	
96-12-8	1,2-Dibromo-3-Chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B210-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-19

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080928.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: not dec. 7 Date Analyzed: 8/9/2005

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	000091-17-8	Naphthalene, decahydro-	9.59	93	J
2.	000089-82-7	Pulegone	10.08	86	J
3.	004912-92-9	1H-Indene, 2,3-dihydro-1,1-d	10.23	100	J
4.	056554-74-6	7-Heptadecyne, 1-chloro-	10.64	94	J
5.	019947-22-9	Benzene, (1-ethyl-2-propenyl	10.90	98	J
6.	002388-14-9	Benzene, 1-(1-methylethenyl)	11.02	110	J
7.	003877-19-8	Naphthalene, 1,2,3,4-tetrahy	11.12	50	J
8.	001129-29-9	Benzene, 1-(1-methylethenyl)	11.63	52	J
9.	001076-69-3	5,6,7,8,9,10-Hexahydrobenzoc	11.79	60	J
0.		Unknown11.93	11.93	56	J

Comments:

Summary Sheet
SW-846

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**GR-B200-S**							
T4080-12	GR-B200-S	SOIL	Acetone	11	J	55	3.9	ug/Kg
T4080-12	GR-B200-S	SOIL	Carbon disulfide	1.3	J	11	1.4	ug/Kg
T4080-12	GR-B200-S	SOIL	Methylene Chloride	3.0	JB	11	1.4	ug/Kg
T4080-12	GR-B200-S	SOIL	Tetrachloroethene	1.5	J	11	1.3	ug/Kg
T4080-12	GR-B200-S	SOIL	Ethyl Benzene	1.4	J	11	1.2	ug/Kg
T4080-12	GR-B200-S	SOIL	m/p-Xylenes	2.1	J	11	3.0	ug/Kg
			Total VOC's:	20.30				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	20.30				
Client ID:	**GR-B201-S**							
T4080-09	GR-B201-S	SOIL	Methylene Chloride	3.9	JB	11	1.5	ug/Kg
			Total VOC's:	3.90				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	3.90				
Client ID:	**GR-B202-S**							
T4080-06	GR-B202-S	SOIL	Methylene Chloride	3.4	JB	12	1.5	ug/Kg
			Total VOC's:	3.40				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	3.40				
Client ID:	**GR-B203-S**							
T4080-03	GR-B203-S	SOIL	Methylene Chloride	3.5	JB	11	1.5	ug/Kg
T4080-03	GR-B203-S	SOIL	Dodecane, 4,6-dimethyl-	* 6.6	J	0	0	ug/Kg
			Total VOC's:	3.50				
			Total TIC's:	6.60				
			Total VOC's and TIC's:	10.10				
Client ID:	**GR-B203-SRE**							
T4080-03RE	GR-B203-SRE	SOIL	Methylene Chloride	2.5	JB	12	1.5	ug/Kg
			Total VOC's:	2.50				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	2.50				
Client ID:	**GR-B204-S**							
T4080-01	GR-B204-S	SOIL	Acetone	11	J	58	4.1	ug/Kg
T4080-01	GR-B204-S	SOIL	Methylene Chloride	2.3	JB	12	1.5	ug/Kg
			Total VOC's:	13.30				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	13.30				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B205-S							
T4080-02	GR-B205-S	SOIL	Acetone	27	J	60	4.2	ug/Kg
T4080-02	GR-B205-S	SOIL	Methylene Chloride	3.0	JB	12	1.5	ug/Kg
T4080-02	GR-B205-S	SOIL	Tetrachloroethene	1.3	J	12	1.4	ug/Kg
T4080-02	GR-B205-S	SOIL	Benzene, 1,2,3,5-tetramethyl-	* 370	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	Benzene, (1,1-dimethylpropyl	* 650	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	Unknown10.69	* 230	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	Benzene, 1,3-diethyl-5-methyl	* 560	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	1H-Indene, 2,3-dihydro-1,1-d	* 220	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	Octane, 2,3,7-trimethyl-	* 190	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	1H-Indene, 2,3-dihydro-1,1,3	* 210	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	1H-Indene, 2,3-dihydro-1,2-d	* 210	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	Naphthalene, 1,2,3,4-tetrahyd	* 200	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	Benzene, 2-ethenyl-1,3,5-tri	* 240	J	0	0	ug/Kg
			Total VOC's:	31.30				
			Total TIC's:	3080.00				
			Total VOC's and TIC's:	3111.30				
Client ID:	GR-B206-S							
T4080-04	GR-B206-S	SOIL	Acetone	18	J	54	3.8	ug/Kg
T4080-04	GR-B206-S	SOIL	Carbon disulfide	1.3	J	11	1.3	ug/Kg
T4080-04	GR-B206-S	SOIL	Methylene Chloride	4.2	JB	11	1.4	ug/Kg
			Total VOC's:	23.50				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	23.50				
Client ID:	GR-B207-S							
T4080-05	GR-B207-S	SOIL	Methylene Chloride	3.2	JB	11	1.4	ug/Kg
			Total VOC's:	3.20				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	3.20				
Client ID:	GR-B208-S							
T4080-13	GR-B208-S	SOIL	Acetone	15	J	59	4.2	ug/Kg
T4080-13	GR-B208-S	SOIL	Carbon disulfide	3.6	J	12	1.5	ug/Kg
T4080-13	GR-B208-S	SOIL	Methylene Chloride	3.1	JB	12	1.5	ug/Kg
			Total VOC's:	21.70				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	21.70				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Summary Sheet
SW-846

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B210-S							
T4080-19	GR-B210-S	SOIL	Acetone	20	J	53	3.8	ug/Kg
T4080-19	GR-B210-S	SOIL	Methylene Chloride	4.0	JB	11	1.4	ug/Kg
T4080-19	GR-B210-S	SOIL	1,2-Dichlorobenzene	27		11	0.95	ug/Kg
T4080-19	GR-B210-S	SOIL	Naphthalene, decahydro-	* 93	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	Pulegone	* 86	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	1H-Indene, 2,3-dihydro-1,1-d	* 100	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	7-Heptadecyne, 1-chloro-	* 94	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	Benzene, (1-ethyl-2-propenyl)	* 98	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	Benzene, 1-(1-methylethenyl)	* 110	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	Naphthalene, 1,2,3,4-tetrahyd	* 50	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	Benzene, 1-(1-methylethenyl)	* 52	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	5,6,7,8,9,10-Hexahydrobenzoc	* 60	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	Unknown11.93	* 56	J	0	0	ug/Kg
			Total VOC's:	51.00				
			Total TIC's:	799.00				
			Total VOC's and TIC's:	850.00				
Client ID:	GR-B212-S							
T4080-16	GR-B212-S	SOIL	Acetone	1.4	J	59	4.2	ug/Kg
T4080-16	GR-B212-S	SOIL	Methylene Chloride	4.4	JB	12	1.5	ug/Kg
T4080-16	GR-B212-S	SOIL	Cyclopropanetetradecanoic ac	* 7.7	J	0	0	ug/Kg
T4080-16	GR-B212-S	SOIL	1H-Indene, 2,3-dihydro-4,5,7	* 8.7	J	0	0	ug/Kg
T4080-16	GR-B212-S	SOIL	Dodecane, 4,6-dimethyl-	* 6.2	J	0	0	ug/Kg
T4080-16	GR-B212-S	SOIL	1H-Indene, octahydro-2,2,4,4	* 6.9	J	0	0	ug/Kg
			Total VOC's:	5.80				
			Total TIC's:	29.50				
			Total VOC's and TIC's:	35.30				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B213-S							
T4080-14	GR-B213-S	SOIL	Carbon disulfide	1.9	J	12	1.5	ug/Kg
T4080-14	GR-B213-S	SOIL	Methylene Chloride	10	JB	12	1.5	ug/Kg
T4080-14	GR-B213-S	SOIL	Toluene	1.3	J	12	1.3	ug/Kg
T4080-14	GR-B213-S	SOIL	Tridecane	* 98	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Bicyclo[4.1.0]heptan-3-one, 4	* 91	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Dodecane	* 220	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Undecane, 2,5-dimethyl-	* 150	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	5-Dodecene, (Z)-	* 160	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Unknown11.15	* 330	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	1H-Indene, 2,3-dihydro-1,1,5	* 240	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Benzene, 1-(1-methylethenyl)	* 92	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Unknown11.73	* 120	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	1-Indanone, 5,6-dimethyl-	* 120	J	0	0	ug/Kg
			Total VOC's:	13.20				
			Total TIC's:	1621.00				
			Total VOC's and TIC's:	1634.20				
Client ID:	GR-B214-S							
T4080-10	GR-B214-S	SOIL	Acetone	130		59	4.2	ug/Kg
T4080-10	GR-B214-S	SOIL	Carbon disulfide	4.0	J	12	1.5	ug/Kg
T4080-10	GR-B214-S	SOIL	Methylene Chloride	3.6	JB	12	1.5	ug/Kg
T4080-10	GR-B214-S	SOIL	2-Butanone	18	J	59	6.4	ug/Kg
T4080-10	GR-B214-S	SOIL	Toluene	1.3	J	12	1.3	ug/Kg
T4080-10	GR-B214-S	SOIL	Tetrachloroethene	1.9	J	12	1.4	ug/Kg
T4080-10	GR-B214-S	SOIL	Benzene, (2-methyl-1-butenyl	* 140	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Undecane, 3,5-dimethyl-	* 170	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	1H-Benzimidazole, 5,6-dime	* 310	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	1H-Indene, 2,3-dihydro-1,6-d	* 260	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Octane, 2,3,7-trimethyl-	* 140	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Benzene, 4-(2-butenyl)-1,2-d	* 380	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	1H-Indene, 2,3-dihydro-5,6-d	* 250	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Naphthalene, 1,2,3,4-tetrahyd	* 270	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	1H-Indene, 2,3-dihydro-1,1,5	* 240	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Unknown11.74	* 130	J	0	0	ug/Kg
			Total VOC's:	158.80				
			Total TIC's:	2290.00				
			Total VOC's and TIC's:	2448.80				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B215-S							
T4080-17	GR-B215-S	SOIL	Methylene Chloride	2.8	JB	12	1.6	ug/Kg
			Total VOC's:	2.80				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	2.80				
Client ID:	GR-B216-S							
T4080-18	GR-B216-S	SOIL	Methylene Chloride	5.6	JB	12	1.5	ug/Kg
T4080-18	GR-B216-S	SOIL	Toluene	4.3	J	12	1.3	ug/Kg
			Total VOC's:	9.90				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	9.90				
Client ID:	GR-B216-SRE							
T4080-18RE	GR-B216-SRE	SOIL	Methylene Chloride	3.3	JB	12	1.5	ug/Kg
T4080-18RE	GR-B216-SRE	SOIL	Toluene	2.1	J	12	1.3	ug/Kg
T4080-18RE	GR-B216-SRE	SOIL	Tetrachloroethene	1.9	J	12	1.4	ug/Kg
			Total VOC's:	7.30				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	7.30				
Client ID:	GR-B217-S							
T4080-15	GR-B217-S	SOIL	Carbon disulfide	1.8	J	11	1.4	ug/Kg
T4080-15	GR-B217-S	SOIL	Methylene Chloride	7.3	J	11	1.4	ug/Kg
T4080-15	GR-B217-S	SOIL	Toluene	1.2	J	11	1.3	ug/Kg
T4080-15	GR-B217-S	SOIL	Tetrachloroethene	2.0	J	11	1.3	ug/Kg
T4080-15	GR-B217-S	SOIL	m/p-Xylenes	1.3	J	11	3.1	ug/Kg
T4080-15	GR-B217-S	SOIL	Dodecane	* 170	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	4-Methylpropiophenone	* 230	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Benzene, 1,3-diethyl-5-methyl	* 200	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Benzene, 1-ethyl-2,4,5-trimet	* 130	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Heptadecane	* 310	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Naphthalene, 1,2,3,4-tetrahyd	* 150	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Unknown11.53	* 330	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	1H-Indene, 2,3-dihydro-1,1,5	* 100	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Benzene, 4-(2-butenyl)-1,2-d	* 150	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Unknown11.93	* 160	J	0	0	ug/Kg
			Total VOC's:	13.60				
			Total TIC's:	1930.00				
			Total VOC's and TIC's:	1943.60				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-XX-S-DUP							
T4080-11	GR-XX-S-DUP	SOIL	Acetone	230		58	4.1	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Carbon disulfide	5.1	J	12	1.5	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Methylene Chloride	3.3	JB	12	1.5	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	2-Butanone	33	J	58	6.2	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Tridecane	* 110	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Benzene, 1,3-diethyl-5-methyl	* 220	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	1H-Indene, 2,3-dihydro-1,2-d	* 160	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Benzene, 4-(2-butenyl)-1,2-d	* 260	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	1H-Indene, 2,3-dihydro-4,7-d	* 120	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Naphthalene, 1,2,3,4-tetrahyd	* 300	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	1H-Indene, 2,3-dihydro-1,1,3	* 330	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	1H-Pyrrolo[2,3-b]pyridine, 3,	* 180	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Unknown11.74	* 200	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Naphthalene, 5-ethyl-1,2,3,4-	* 110	J	0	0	ug/Kg

Total VOC's:	271.40
Total TIC's:	1990.00
Total VOC's and TIC's:	2261.40

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**GR-B200-S**							
T4080-12	GR-B200-S	SOIL	Acetone	11	J	55	3.9	ug/Kg
T4080-12	GR-B200-S	SOIL	Carbon disulfide	1.3	J	11	1.4	ug/Kg
T4080-12	GR-B200-S	SOIL	Methylene Chloride	3.0	JB	11	1.4	ug/Kg
T4080-12	GR-B200-S	SOIL	Tetrachloroethene	1.5	J	11	1.3	ug/Kg
T4080-12	GR-B200-S	SOIL	Ethyl Benzene	1.4	J	11	1.2	ug/Kg
T4080-12	GR-B200-S	SOIL	m/p-Xylenes	2.1	J	11	3.0	ug/Kg
			Total VOC's:	20.30				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	20.30				
Client ID:	**GR-B201-S**							
T4080-09	GR-B201-S	SOIL	Methylene Chloride	3.9	JB	11	1.5	ug/Kg
			Total VOC's:	3.90				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	3.90				
Client ID:	**GR-B202-S**							
T4080-06	GR-B202-S	SOIL	Methylene Chloride	3.4	JB	12	1.5	ug/Kg
			Total VOC's:	3.40				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	3.40				
Client ID:	**GR-B203-S**							
T4080-03	GR-B203-S	SOIL	Methylene Chloride	3.5	JB	11	1.5	ug/Kg
T4080-03	GR-B203-S	SOIL	Dodecane, 4,6-dimethyl-	* 6.6	J	0	0	ug/Kg
			Total VOC's:	3.50				
			Total TIC's:	6.60				
			Total VOC's and TIC's:	10.10				
Client ID:	**GR-B203-SRE**							
T4080-03RE	GR-B203-SRE	SOIL	Methylene Chloride	2.5	JB	12	1.5	ug/Kg
			Total VOC's:	2.50				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	2.50				
Client ID:	**GR-B204-S**							
T4080-01	GR-B204-S	SOIL	Acetone	11	J	58	4.1	ug/Kg
T4080-01	GR-B204-S	SOIL	Methylene Chloride	2.3	JB	12	1.5	ug/Kg
			Total VOC's:	13.30				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	13.30				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG.No.: T4080 Order ID: T4080

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B205-S							
T4080-02	GR-B205-S	SOIL	Acetone	27	J	60	4.2	ug/Kg
T4080-02	GR-B205-S	SOIL	Methylene Chloride	3.0	JB	12	1.5	ug/Kg
T4080-02	GR-B205-S	SOIL	Tetrachloroethene	1.3	J	12	1.4	ug/Kg
T4080-02	GR-B205-S	SOIL	Benzene, 1,2,3,5-tetramethyl-	* 370	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	Benzene, (1,1-dimethylpropyl	* 650	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	Unknown10.69	* 230	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	Benzene, 1,3-diethyl-5-methyl	* 560	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	1H-Indene, 2,3-dihydro-1,1-d	* 220	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	Octane, 2,3,7-trimethyl-	* 190	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	1H-Indene, 2,3-dihydro-1,1,3	* 210	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	1H-Indene, 2,3-dihydro-1,2-d	* 210	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	Naphthalene, 1,2,3,4-tetrahyd	* 200	J	0	0	ug/Kg
T4080-02	GR-B205-S	SOIL	Benzene, 2-ethenyl-1,3,5-tri	* 240	J	0	0	ug/Kg
			Total VOC's:	31.30				
			Total TIC's:	3080.00				
			Total VOC's and TIC's:	3111.30				
Client ID:	GR-B206-S							
T4080-04	GR-B206-S	SOIL	Acetone	18	J	54	3.8	ug/Kg
T4080-04	GR-B206-S	SOIL	Carbon disulfide	1.3	J	11	1.3	ug/Kg
T4080-04	GR-B206-S	SOIL	Methylene Chloride	4.2	JB	11	1.4	ug/Kg
			Total VOC's:	23.50				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	23.50				
Client ID:	GR-B207-S							
T4080-05	GR-B207-S	SOIL	Methylene Chloride	3.2	JB	11	1.4	ug/Kg
			Total VOC's:	3.20				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	3.20				
Client ID:	GR-B208-S							
T4080-13	GR-B208-S	SOIL	Acetone	15	J	59	4.2	ug/Kg
T4080-13	GR-B208-S	SOIL	Carbon disulfide	3.6	J	12	1.5	ug/Kg
T4080-13	GR-B208-S	SOIL	Methylene Chloride	3.1	JB	12	1.5	ug/Kg
			Total VOC's:	21.70				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	21.70				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B210-S							
T4080-19	GR-B210-S	SOIL	Acetone	20	J	53	3.8	ug/Kg
T4080-19	GR-B210-S	SOIL	Methylene Chloride	4.0	JB	11	1.4	ug/Kg
T4080-19	GR-B210-S	SOIL	1,2-Dichlorobenzene	27		11	0.95	ug/Kg
T4080-19	GR-B210-S	SOIL	Naphthalene, decahydro-	* 93	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	Pulegone	* 86	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	1H-Indene, 2,3-dihydro-1,1-d	* 100	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	7-Heptadecyne, 1-chloro-	* 94	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	Benzene, (1-ethyl-2-propenyl)	* 98	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	Benzene, 1-(1-methylethenyl)	* 110	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	Naphthalene, 1,2,3,4-tetrahyd	* 50	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	Benzene, 1-(1-methylethenyl)	* 52	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	5,6,7,8,9,10-Hexahydrobenzoc	* 60	J	0	0	ug/Kg
T4080-19	GR-B210-S	SOIL	Unknown11.93	* 56	J	0	0	ug/Kg
			Total VOC's:	51.00				
			Total TIC's:	799.00				
			Total VOC's and TIC's:	850.00				
Client ID:	GR-B212-S							
T4080-16	GR-B212-S	SOIL	Acetone	1.4	J	59	4.2	ug/Kg
T4080-16	GR-B212-S	SOIL	Methylene Chloride	4.4	JB	12	1.5	ug/Kg
T4080-16	GR-B212-S	SOIL	Cyclopropanetetradecanoic ac	* 7.7	J	0	0	ug/Kg
T4080-16	GR-B212-S	SOIL	1H-Indene, 2,3-dihydro-4,5,7	* 8.7	J	0	0	ug/Kg
T4080-16	GR-B212-S	SOIL	Dodecane, 4,6-dimethyl-	* 6.2	J	0	0	ug/Kg
T4080-16	GR-B212-S	SOIL	1H-Indene, octahydro-2,2,4,4	* 6.9	J	0	0	ug/Kg
			Total VOC's:	5.80				
			Total TIC's:	29.50				
			Total VOC's and TIC's:	35.30				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Summary Sheet
SW-846

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B213-S							
T4080-14	GR-B213-S	SOIL	Carbon disulfide	1.9	J	12	1.5	ug/Kg
T4080-14	GR-B213-S	SOIL	Methylene Chloride	10	JB	12	1.5	ug/Kg
T4080-14	GR-B213-S	SOIL	Toluene	1.3	J	12	1.3	ug/Kg
T4080-14	GR-B213-S	SOIL	Tridecane	* 98	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Bicyclo[4.1.0]heptan-3-one, 4	* 91	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Dodecane	* 220	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Undecane, 2,5-dimethyl-	* 150	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	5-Dodecene, (Z)-	* 160	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Unknown11.15	* 330	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	1H-Indene, 2,3-dihydro-1,1,5	* 240	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Benzene, 1-(1-methylethenyl)	* 92	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Unknown11.73	* 120	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	1-Indanone, 5,6-dimethyl-	* 120	J	0	0	ug/Kg
			Total VOC's:	13.20				
			Total TIC's:	1621.00				
			Total VOC's and TIC's:	1634.20				
Client ID:	GR-B214-S							
T4080-10	GR-B214-S	SOIL	Acetone	130		59	4.2	ug/Kg
T4080-10	GR-B214-S	SOIL	Carbon disulfide	4.0	J	12	1.5	ug/Kg
T4080-10	GR-B214-S	SOIL	Methylene Chloride	3.6	JB	12	1.5	ug/Kg
T4080-10	GR-B214-S	SOIL	2-Butanone	18	J	59	6.4	ug/Kg
T4080-10	GR-B214-S	SOIL	Toluene	1.3	J	12	1.3	ug/Kg
T4080-10	GR-B214-S	SOIL	Tetrachloroethene	1.9	J	12	1.4	ug/Kg
T4080-10	GR-B214-S	SOIL	Benzene, (2-methyl-1-butenyl	* 140	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Undecane, 3,5-dimethyl-	* 170	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	1H-Benzimidazole, 5,6-dime	* 310	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	1H-Indene, 2,3-dihydro-1,6-d	* 260	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Octane, 2,3,7-trimethyl-	* 140	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Benzene, 4-(2-butenyl)-1,2-d	* 380	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	1H-Indene, 2,3-dihydro-5,6-d	* 250	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Naphthalene, 1,2,3,4-tetrahyd	* 270	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	1H-Indene, 2,3-dihydro-1,1,5	* 240	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Unknown11.74	* 130	J	0	0	ug/Kg
			Total VOC's:	158.80				
			Total TIC's:	2290.00				
			Total VOC's and TIC's:	2448.80				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B215-S							
T4080-17	GR-B215-S	SOIL	Methylene Chloride	2.8	JB	12	1.6	ug/Kg
			Total VOC's:	2.80				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	2.80				
Client ID:	GR-B216-S							
T4080-18	GR-B216-S	SOIL	Methylene Chloride	5.6	JB	12	1.5	ug/Kg
T4080-18	GR-B216-S	SOIL	Toluene	4.3	J	12	1.3	ug/Kg
			Total VOC's:	9.90				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	9.90				
Client ID:	GR-B216-SRE							
T4080-18RE	GR-B216-SRE	SOIL	Methylene Chloride	3.3	JB	12	1.5	ug/Kg
T4080-18RE	GR-B216-SRE	SOIL	Toluene	2.1	J	12	1.3	ug/Kg
T4080-18RE	GR-B216-SRE	SOIL	Tetrachloroethene	1.9	J	12	1.4	ug/Kg
			Total VOC's:	7.30				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	7.30				
Client ID:	GR-B217-S							
T4080-15	GR-B217-S	SOIL	Carbon disulfide	1.8	J	11	1.4	ug/Kg
T4080-15	GR-B217-S	SOIL	Methylene Chloride	7.3	J	11	1.4	ug/Kg
T4080-15	GR-B217-S	SOIL	Toluene	1.2	J	11	1.3	ug/Kg
T4080-15	GR-B217-S	SOIL	Tetrachloroethene	2.0	J	11	1.3	ug/Kg
T4080-15	GR-B217-S	SOIL	m/p-Xylenes	1.3	J	11	3.1	ug/Kg
T4080-15	GR-B217-S	SOIL	Dodecane	* 170	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	4-Methylpropiophenone	* 230	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Benzene, 1,3-diethyl-5-methyl	* 200	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Benzene, 1-ethyl-2,4,5-trimet	* 130	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Heptadecane	* 310	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Naphthalene, 1,2,3,4-tetrahyd	* 150	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Unknown11.53	* 330	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	1H-Indene, 2,3-dihydro-1,1,5	* 100	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Benzene, 4-(2-butenyl)-1,2-d	* 150	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Unknown11.93	* 160	J	0	0	ug/Kg
			Total VOC's:	13.60				
			Total TIC's:	1930.00				
			Total VOC's and TIC's:	1943.60				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Summary Sheet
SW-846

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-XX-S-DUP							
T4080-11	GR-XX-S-DUP	SOIL	Acetone	230		58	4.1	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Carbon disulfide	5.1	J	12	1.5	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Methylene Chloride	3.3	JB	12	1.5	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	2-Butanone	33	J	58	6.2	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Tridecane	* 110	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Benzene, 1,3-diethyl-5-methyl	* 220	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	1H-Indene, 2,3-dihydro-1,2-d	* 160	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Benzene, 4-(2-butenyl)-1,2-d	* 260	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	1H-Indene, 2,3-dihydro-4,7-d	* 120	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Naphthalene, 1,2,3,4-tetrahyd	* 300	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	1H-Indene, 2,3-dihydro-1,1,3	* 330	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	1H-Pyrrolo[2,3-b]pyridine, 3,	* 180	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Unknown11.74	* 200	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Naphthalene, 5-ethyl-1,2,3,4-	* 110	J	0	0	ug/Kg

Total VOC's:	271.40
Total TIC's:	1990.00
Total VOC's and TIC's:	2261.40

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B214-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-10

Sample wt/vol: 30.0 (g/mL) g Lab File ID: BB025519.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/11/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.83 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	120	J
106-44-5	3+4-Methylphenols	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	92	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1-Biphenyl	48	J
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	970	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B214-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-10

Sample wt/vol: 30.0 (g/mL) g Lab File ID: BB025519.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/11/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.83 Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	250	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	220	J
129-00-0	Pyrene	160	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	83	J
218-01-9	Chrysene	86	J
117-81-7	bis(2-Ethylhexyl)phthalate	62	J
117-84-0	Di-n-octyl phthalate	390	U
205-99-2	Benzo(b)fluoranthene	170	J
207-08-9	Benzo(k)fluoranthene	52	J
50-32-8	Benzo(a)pyrene	96	J
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B214-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-10

Sample wt/vol: 30.0 (g/mL) g Lab File ID: BB025519.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/11/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.83 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
191-24-2	Benzo(g,h,i)perylene	390	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-B214-S

Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-10

Sample wt/vol: 30.05 (g/mL) g Lab File ID: BB025519.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/11/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.83

Number TICS found: 20 Concentration Units: ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	ACP3.94	3.94	840	A
6044-71-9	Dodecane, 6-methyl-	8.84	420	J
2051-30-1	Octane, 2,6-dimethyl-	9.55	660	J
629-50-5	Tridecane	9.89	900	J
575-43-9	Naphthalene, 1,6-dimethyl-	11.50	420	J
61141-72-8	Dodecane, 4,6-dimethyl-	11.66	900	J
829-26-5	Naphthalene, 2,3,6-trimethyl-	12.54	410	J
2882-96-4	Pentadecane, 3-methyl-	12.79	400	J
544-76-3	Hexadecane	13.10	940	J
3892-00-0	Pentadecane, 2,6,10-trimethyl-	13.53	680	J
629-78-7	Heptadecane	14.06	3000	J
	Unknown14.95	14.95	1900	J
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	15.00	970	J
107770-99-0	3,5-Dimethyldodecane	15.29	390	J
112-95-8	Eicosane	15.80	1800	J
630-02-4	Octacosane	16.31	400	J
	Unknown16.62	16.62	1500	J
629-94-7	Heneicosane	17.38	1100	J
629-97-0	Docosane	18.13	680	J
629-92-5	Nonadecane	22.90	570	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-S-DUP

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-11

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025545.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/12/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.35 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	92	J
106-44-5	3+4-Methylphenols	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	91	J
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
92-52-4	1,1-Biphenyl	46	J
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	960	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-S-DUP

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-11

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025545.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/12/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.35 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	170	J
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	65	J
218-01-9	Chrysene	69	J
117-81-7	bis(2-Ethylhexyl)phthalate	65	J
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	110	J
207-08-9	Benzo(k)fluoranthene	47	J
50-32-8	Benzo(a)pyrene	64	J
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-S-DUP

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-11

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025545.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/12/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.35 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
191-24-2	Benzo(g,h,i)perylene	380	U

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-XX-S-DUP

Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-11

Sample wt/vol: 30.11 (g/mL) g Lab File ID: BB025545.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/12/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.35

Number TICS found: 20 Concentration Units: ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	ACP3.88	3.88	910	A
112-40-3	Dodecane	8.62	340	J
6044-71-9	Dodecane, 6-methyl-	8.78	380	J
2051-30-1	Octane, 2,6-dimethyl-	9.47	680	J
629-50-5	Tridecane	9.82	1000	J
629-59-4	Tetradecane	10.95	590	J
1120-21-4	Undecane	11.58	780	J
2245-38-7	Naphthalene, 1,6,7-trimethyl-	12.46	380	J
544-76-3	Hexadecane	13.03	880	J
3892-00-0	Pentadecane, 2,6,10-trimethyl-	13.45	660	J
629-78-7	Heptadecane	13.98	3400	J
55045-11-9	Tridecane, 5-propyl-	14.33	410	J
1560-89-0	Heptadecane, 2-methyl-	14.53	340	J
629-62-9	Pentadecane	14.88	2000	J
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	14.92	880	J
629-92-5	Nonadecane	15.72	1800	J
593-45-3	Octadecane	16.53	1500	J
	Unknown17.3	17.30	1100	J
629-97-0	Docosane	18.04	660	J
593-49-7	Heptacosane	22.78	550	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B213-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-14

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025518.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/11/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.77 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	81	J
106-44-5	3+4-Methylphenols	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	50	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	970	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B213-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-14

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025518.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/11/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.77 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	210	J
120-12-7	Anthracene	48	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	370	J
129-00-0	Pyrene	270	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	160	J
218-01-9	Chrysene	150	J
117-81-7	bis(2-Ethylhexyl)phthalate	45	J
117-84-0	Di-n-octyl phthalate	390	U
205-99-2	Benzo(b)fluoranthene	270	J
207-08-9	Benzo(k)fluoranthene	110	J
50-32-8	Benzo(a)pyrene	170	J
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B213-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-14

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025518.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/11/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.77 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
191-24-2	Benzo(g,h,i)perylene	390	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-B213-S

Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-14

Sample wt/vol: 30.08 (g/mL) g Lab File ID: BB025518.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/11/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.77

Number TICS found: 20 Concentration Units: ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
115-19-5	Unknown3.36	3.36	370	J
	Unknown3.74	3.74	240	J
	ACP3.94	3.94	1100	A
112-40-3	Dodecane	8.69	340	J
17312-82-2	Undecane, 4,6-dimethyl-	9.53	320	J
629-50-5	Tridecane	9.87	830	J
629-59-4	Tetradecane	11.00	380	J
17312-62-8	Decane, 5-propyl-	11.64	370	J
544-76-3	Hexadecane	13.08	470	J
3892-00-0	Pentadecane, 2,6,10-trimethyl-	13.51	300	J
629-78-7	Heptadecane	14.03	2100	J
593-45-3	Octadecane	14.93	1100	J
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	14.97	520	J
629-92-5	Nonadecane	15.78	1000	J
629-62-9	Pentadecane	16.60	840	J
629-94-7	Heneicosane	17.37	690	J
	Unknown18.11	18.11	250	J
2425-54-9	Tetradecane, 1-chloro-	20.18	240	J
112-84-5	13-Docosenamide, (Z)-	22.08	760	J
111-02-4	2,6,10,14,18,22-Tetracosahexaene,	22.26	370	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B217-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-15

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025546.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/12/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.78 Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	63	J
106-44-5	3+4-Methylphenols	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	79	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	940	U
92-52-4	1,1-Biphenyl	44	J
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	940	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B217-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-15

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025546.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/12/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.78 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	350	J
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	290	J
129-00-0	Pyrene	180	J
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	130	J
218-01-9	Chrysene	130	J
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	170	J
207-08-9	Benzo(k)fluoranthene	86	J
50-32-8	Benzo(a)pyrene	110	J
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B217-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-15

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025546.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/12/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.78 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
191-24-2	Benzo(g,h,i)perylene	370	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-B217-S

Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-15

Sample wt/vol: 30.06 (g/mL) g Lab File ID: BB025546.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/12/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.78

Number TICS found: 20 Concentration Units: ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	ACP3.88	3.88	900	A
17301-23-4	Undecane, 2,6-dimethyl-	8.78	400	J
62108-25-2	Decane, 2,6,7-trimethyl-	9.49	570	J
629-50-5	Tridecane	9.82	960	J
629-59-4	Tetradecane	10.96	600	J
1120-21-4	Undecane	11.59	620	J
544-76-3	Hexadecane	13.04	710	J
3892-00-0	Pentadecane, 2,6,10-trimethyl-	13.46	650	J
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl	14.01	4500	J
112-95-8	Eicosane	14.88	2200	J
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	14.93	1500	J
	Unknown15.62	15.62	530	J
629-92-5	Nonadecane	15.74	2200	J
610-48-0	Anthracene, 1-methyl-	16.05	540	J
	Unknown16.26	16.26	380	J
112-95-8	Eicosane	16.54	1900	J
3674-66-6	Phenanthrene, 2,5-dimethyl-	17.16	840	J
629-94-7	Heneicosane	17.31	1400	J
	Unknown18.05	18.05	440	J
301-02-0	9-Octadecenamide, (Z)-	21.97	630	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B212-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-16

Sample wt/vol: 30.0 (g/mL) g Lab File ID: BB025499.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/10/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.33 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	3+4-Methylphenols	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
92-52-4	1,1-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	980	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B212-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-16

Sample wt/vol: 30.0 (g/mL) g Lab File ID: BB025499.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/10/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.33 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octyl phthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B212-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-16

Sample wt/vol: 30.0 (g/mL) g Lab File ID: BB025499.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/10/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.33 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
191-24-2	Benzo(g,h,i)perylene	390	U

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-B212-S

Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-16

Sample wt/vol: 30.04 (g/mL) g Lab File ID: BB025499.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/10/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.33

Number TICS found: 3 Concentration Units: ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	ACP3.9	3.93	1200	AB
112-84-5	13-Docosenamide, (Z)-	22.07	580	J
	Unknown22.23	22.27	720	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B215-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-17

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025500.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/10/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.40 Extraction: (Type) SONC

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	410	U
106-44-5	3+4-Methylphenols	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	1000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B215-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-17

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025500.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/10/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.40 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
83-32-9	Acenaphthene	410	U
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)phthalate	410	U
117-84-0	Di-n-octyl phthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenz(a,h)anthracene	410	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B215-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-17

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025500.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/10/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.40 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
191-24-2	Benzo(g,h,i)perylene	410	U

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-B215-S

Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-17

Sample wt/vol: 30.09 (g/mL) g Lab File ID: BB025500.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/10/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.40

Number TICS found: 7 Concentration Units: ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	ACP3.94	3.94	1300	AB
7098-22-8	Tetratetracontane	17.37	83	J
112-95-8	Eicosane	19.50	90	J
629-99-2	Pentacosane	20.17	84	J
593-49-7	Heptacosane	20.80	85	J
112-84-5	13-Docosenamide, (Z)-	22.08	560	J
7683-64-9	Squalene	22.26	490	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B216-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-18

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025547.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/12/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.69 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	65	J
106-44-5	3+4-Methylphenols	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B216-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-18

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025547.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/12/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.69 Extraction: (Type) SONC

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND		Q
83-32-9	Acenaphthene	400	U
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	88	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	190	J
129-00-0	Pyrene	160	J
85-68-7	Butylbenzylphthalate	110	J
91-94-1	3,3-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	100	J
218-01-9	Chrysene	96	J
117-81-7	bis(2-Ethylhexyl)phthalate	47	J
117-84-0	Di-n-octyl phthalate	400	U
205-99-2	Benzo(b)fluoranthene	140	J
207-08-9	Benzo(k)fluoranthene	81	J
50-32-8	Benzo(a)pyrene	110	J
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenz(a,h)anthracene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B216-S

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-18

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BB025547.D

Level: (low/med) LOW Date Received: 8/5/2005

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/12/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.69 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
191-24-2	Benzo(g,h,i)perylene	400	U

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-B216-S

Contract: STAN02

Lab Code: CHEM Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-18

Sample wt/vol: 30.07 (g/mL) g Lab File ID: BB025547.D

Level (low/med): LOW Date Received: 8/5/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 8/8/2005

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/12/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.69

Number TICS found: 7 Concentration Units: ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown2.84	2.84	130	J
108-88-3	Toluene	2.98	210	J
	ACP3.3	3.30	120	A
	ACP3.89	3.89	1300	A
112-84-5	13-Docosenamide, (Z)-	21.97	580	J
7683-64-9	Squalene	22.15	210	J
192-97-2	Benzo[e]pyrene	23.25	94	J

Hit Summary Report

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: Gregory St

Test: SVOC-TCL BNA4.3 -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B212-S							
T4080-16	GR-B212-S	SOIL	ACP3.9	* 1200	AB	0	0	ug/Kg
T4080-16	GR-B212-S	SOIL	13-Docosenamide, (Z)-	* 580	J	0	0	ug/Kg
T4080-16	GR-B212-S	SOIL	Unknown22.23	* 720	J	0	0	ug/Kg
			Total SVOC's:	0.00				
			Total TIC's:	2500.00				
			Total SVOC's and TIC's:	2500.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Hit Summary Report

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: Gregory St

Test: SVOC-TCL BNA4.3 -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B213-S							
T4080-14	GR-B213-S	SOIL	Acetophenone	81	J	390	84	ug/Kg
T4080-14	GR-B213-S	SOIL	2-Methylnaphthalene	50	J	390	47	ug/Kg
T4080-14	GR-B213-S	SOIL	Phenanthrene	210	J	390	22	ug/Kg
T4080-14	GR-B213-S	SOIL	Anthracene	48	J	390	22	ug/Kg
T4080-14	GR-B213-S	SOIL	Fluoranthene	370	J	390	68	ug/Kg
T4080-14	GR-B213-S	SOIL	Pyrene	270	J	390	100	ug/Kg
T4080-14	GR-B213-S	SOIL	Benzo(a)anthracene	160	J	390	29	ug/Kg
T4080-14	GR-B213-S	SOIL	Chrysene	150	J	390	36	ug/Kg
T4080-14	GR-B213-S	SOIL	bis(2-Ethylhexyl)phthalate	45	J	390	19	ug/Kg
T4080-14	GR-B213-S	SOIL	Benzo(b)fluoranthene	270	J	390	61	ug/Kg
T4080-14	GR-B213-S	SOIL	Benzo(k)fluoranthene	110	J	390	96	ug/Kg
T4080-14	GR-B213-S	SOIL	Benzo(a)pyrene	170	J	390	21	ug/Kg
T4080-14	GR-B213-S	SOIL	Unknown3.36	* 370	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Unknown3.74	* 240	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	ACP3.94	* 1100	A	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Dodecane	* 340	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Undecane, 4,6-dimethyl-	* 320	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Tridecane	* 830	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Tetradecane	* 380	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Decane, 5-propyl-	* 370	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Hexadecane	* 470	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Pentadecane, 2,6,10-trimethyl	* 300	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Heptadecane	* 2100	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Octadecane	* 1100	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Hexadecane, 2,6,10,14-tetram	* 520	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Nonadecane	* 1000	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Pentadecane	* 840	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Heneicosane	* 690	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Unknown18.11	* 250	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	Tetradecane, 1-chloro-	* 240	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	13-Docosenamide, (Z)-	* 760	J	0	0	ug/Kg
T4080-14	GR-B213-S	SOIL	2,6,10,14,18,22-Tetracosahex	* 370	J	0	0	ug/Kg

Total SVOC's:	1934.00
Total TIC's:	12590.00
Total SVOC's and TIC's:	14524.00

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Hit Summary Report

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: Gregory St

Test: SVOC-TCL BNA4.3 -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B214-S							
T4080-10	GR-B214-S	SOIL	Acetophenone	120	J	390	85	ug/Kg
T4080-10	GR-B214-S	SOIL	2-Methylnaphthalene	92	J	390	47	ug/Kg
T4080-10	GR-B214-S	SOIL	1,1-Biphenyl	48	J	390	85	ug/Kg
T4080-10	GR-B214-S	SOIL	Phenanthrene	250	J	390	22	ug/Kg
T4080-10	GR-B214-S	SOIL	Fluoranthene	220	J	390	68	ug/Kg
T4080-10	GR-B214-S	SOIL	Pyrene	160	J	390	100	ug/Kg
T4080-10	GR-B214-S	SOIL	Benzo(a)anthracene	83	J	390	29	ug/Kg
T4080-10	GR-B214-S	SOIL	Chrysene	86	J	390	36	ug/Kg
T4080-10	GR-B214-S	SOIL	bis(2-Ethylhexyl)phthalate	62	J	390	19	ug/Kg
T4080-10	GR-B214-S	SOIL	Benzo(b)fluoranthene	170	J	390	61	ug/Kg
T4080-10	GR-B214-S	SOIL	Benzo(k)fluoranthene	52	J	390	96	ug/Kg
T4080-10	GR-B214-S	SOIL	Benzo(a)pyrene	96	J	390	21	ug/Kg
T4080-10	GR-B214-S	SOIL	ACP3.94	* 840	A	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Dodecane, 6-methyl-	* 420	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Octane, 2,6-dimethyl-	* 660	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Tridecane	* 900	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Naphthalene, 1,6-dimethyl-	* 420	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Dodecane, 4,6-dimethyl-	* 900	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Naphthalene, 2,3,6-trimethyl-	* 410	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Pentadecane, 3-methyl-	* 400	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Hexadecane	* 940	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Pentadecane, 2,6,10-trimethyl	* 680	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Heptadecane	* 3000	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Unknown14.95	* 1900	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Hexadecane, 2,6,10,14-tetram	* 970	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	3,5-Dimethyldodecane	* 390	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Eicosane	* 1800	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Octacosane	* 400	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Unknown16.62	* 1500	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Heneicosane	* 1100	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Docosane	* 680	J	0	0	ug/Kg
T4080-10	GR-B214-S	SOIL	Nonadecane	* 570	J	0	0	ug/Kg

Total SVOC's:	1439.00
Total TIC's:	18880.00
Total SVOC's and TIC's:	20319.00

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Hit Summary Report

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: Gregory St

Test: SVOC-TCL BNA4.3 -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B215-S							
T4080-17	GR-B215-S	SOIL	ACP3.94	* 1300	AB	0	0	ug/Kg
T4080-17	GR-B215-S	SOIL	Tetratetracontane	* 83	J	0	0	ug/Kg
T4080-17	GR-B215-S	SOIL	Eicosane	* 90	J	0	0	ug/Kg
T4080-17	GR-B215-S	SOIL	Pentacosane	* 84	J	0	0	ug/Kg
T4080-17	GR-B215-S	SOIL	Heptacosane	* 85	J	0	0	ug/Kg
T4080-17	GR-B215-S	SOIL	13-Docosenamide, (Z)-	* 560	J	0	0	ug/Kg
T4080-17	GR-B215-S	SOIL	Squalene	* 490	J	0	0	ug/Kg
			Total SVOC's:	0.00				
			Total TIC's:	2692.00				
			Total SVOC's and TIC's:	2692.00				
Client ID:	GR-B216-S							
T4080-18	GR-B216-S	SOIL	Acetophenone	65	J	400	87	ug/Kg
T4080-18	GR-B216-S	SOIL	Phenanthrene	88	J	400	23	ug/Kg
T4080-18	GR-B216-S	SOIL	Fluoranthene	190	J	400	70	ug/Kg
T4080-18	GR-B216-S	SOIL	Pyrene	160	J	400	100	ug/Kg
T4080-18	GR-B216-S	SOIL	Butylbenzylphthalate	110	J	400	77	ug/Kg
T4080-18	GR-B216-S	SOIL	Benzo(a)anthracene	100	J	400	30	ug/Kg
T4080-18	GR-B216-S	SOIL	Chrysene	96	J	400	37	ug/Kg
T4080-18	GR-B216-S	SOIL	bis(2-Ethylhexyl)phthalate	47	J	400	19	ug/Kg
T4080-18	GR-B216-S	SOIL	Benzo(b)fluoranthene	140	J	400	63	ug/Kg
T4080-18	GR-B216-S	SOIL	Benzo(k)fluoranthene	81	J	400	99	ug/Kg
T4080-18	GR-B216-S	SOIL	Benzo(a)pyrene	110	J	400	22	ug/Kg
T4080-18	GR-B216-S	SOIL	Unknown2.84	* 130	J	0	0	ug/Kg
T4080-18	GR-B216-S	SOIL	Toluene	* 210	J	0	0	ug/Kg
T4080-18	GR-B216-S	SOIL	ACP3.3	* 120	A	0	0	ug/Kg
T4080-18	GR-B216-S	SOIL	ACP3.89	* 1300	A	0	0	ug/Kg
T4080-18	GR-B216-S	SOIL	13-Docosenamide, (Z)-	* 580	J	0	0	ug/Kg
T4080-18	GR-B216-S	SOIL	Squalene	* 210	J	0	0	ug/Kg
T4080-18	GR-B216-S	SOIL	Benzo[e]pyrene	* 94	J	0	0	ug/Kg
			Total SVOC's:	1187.00				
			Total TIC's:	2644.00				
			Total SVOC's and TIC's:	3831.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Hit Summary Report

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: Gregory St

Test: SVOC-TCL BNA4.3 -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B217-S							
T4080-15	GR-B217-S	SOIL	Acetophenone	63	J	370	82	ug/Kg
T4080-15	GR-B217-S	SOIL	2-Methylnaphthalene	79	J	370	45	ug/Kg
T4080-15	GR-B217-S	SOIL	1,1-Biphenyl	44	J	370	82	ug/Kg
T4080-15	GR-B217-S	SOIL	Phenanthrene	350	J	370	22	ug/Kg
T4080-15	GR-B217-S	SOIL	Fluoranthene	290	J	370	66	ug/Kg
T4080-15	GR-B217-S	SOIL	Pyrene	180	J	370	96	ug/Kg
T4080-15	GR-B217-S	SOIL	Benzo(a)anthracene	130	J	370	28	ug/Kg
T4080-15	GR-B217-S	SOIL	Chrysene	130	J	370	35	ug/Kg
T4080-15	GR-B217-S	SOIL	Benzo(b)fluoranthene	170	J	370	59	ug/Kg
T4080-15	GR-B217-S	SOIL	Benzo(k)fluoranthene	86	J	370	93	ug/Kg
T4080-15	GR-B217-S	SOIL	Benzo(a)pyrene	110	J	370	20	ug/Kg
T4080-15	GR-B217-S	SOIL	ACP3.88	* 900	A	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Undecane, 2,6-dimethyl-	* 400	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Decane, 2,6,7-trimethyl-	* 570	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Tridecane	* 960	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Tetradecane	* 600	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Undecane	* 620	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Hexadecane	* 710	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Pentadecane, 2,6,10-trimethyl	* 650	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Pentadecane, 2,6,10,14-tetram	* 4500	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Eicosane	* 2200	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Hexadecane, 2,6,10,14-tetram	* 1500	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Unknown15.62	* 530	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Nonadecane	* 2200	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Anthracene, 1-methyl-	* 540	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Unknown16.26	* 380	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Eicosane	* 1900	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Phenanthrene, 2,5-dimethyl-	* 840	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Heneicosane	* 1400	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	Unknown18.05	* 440	J	0	0	ug/Kg
T4080-15	GR-B217-S	SOIL	9-Octadecenamide, (Z)-	* 630	J	0	0	ug/Kg

Total SVOC's:	1632.00
Total TIC's:	22470.00
Total SVOC's and TIC's:	24102.00

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Hit Summary Report

SDG No.: T4080 Order ID: T4080

Client: Stantec Project ID: Gregory St

Test: SVOC-TCL BNA4.3 -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-XX-S-DUP							
T4080-11	GR-XX-S-DUP	SOIL	Acetophenone	92	J	380	83	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	2-Methylnaphthalene	91	J	380	46	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	1,1-Biphenyl	46	J	380	83	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Phenanthrene	220	J	380	22	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Fluoranthene	170	J	380	67	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Pyrene	120	J	380	98	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Benzo(a)anthracene	65	J	380	29	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Chrysene	69	J	380	36	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	bis(2-Ethylhexyl)phthalate	65	J	380	19	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Benzo(b)fluoranthene	110	J	380	60	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Benzo(k)fluoranthene	47	J	380	95	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Benzo(a)pyrene	64	J	380	21	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	ACP3.88	* 910	A	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Dodecane	* 340	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Dodecane, 6-methyl-	* 380	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Octane, 2,6-dimethyl-	* 680	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Tridecane	* 1000	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Tetradecane	* 590	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Undecane	* 780	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Naphthalene, 1,6,7-trimethyl-	* 380	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Hexadecane	* 880	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Pentadecane, 2,6,10-trimethyl	* 660	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Heptadecane	* 3400	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Tridecane, 5-propyl-	* 410	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Heptadecane, 2-methyl-	* 340	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Pentadecane	* 2000	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Hexadecane, 2,6,10,14-tetram	* 880	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Nonadecane	* 1800	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Octadecane	* 1500	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Unknown17.3	* 1100	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Docosane	* 660	J	0	0	ug/Kg
T4080-11	GR-XX-S-DUP	SOIL	Heptacosane	* 550	J	0	0	ug/Kg

Total SVOC's:	1159.00
Total TIC's:	19240.00
Total SVOC's and TIC's:	20399.00

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GR-B214-S

Lab Name: Chemtech Contract: Stantec

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-10

Sample wt/vol: 30 (g/mL) g Lab File ID: 4PC5006.D

% Moisture: 15 Decanted: (Y/N) N Date Received: 8/5/05

Extraction: (Type) SONC Date Extracted: 8/8/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 8/11/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.83 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GR-XX-S-DUP

Lab Name: Chemtech Contract: Stantec

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-11

Sample wt/vol: 30 (g/mL) g Lab File ID: 4PC5007.D

% Moisture: 14 Decanted: (Y/N) N Date Received: 8/5/05

Extraction: (Type) SONC Date Extracted: 8/8/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 8/11/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.35 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	78	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GR-B213-S

Lab Name: Chemtech Contract: Stantec

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-14

Sample wt/vol: 30 (g/mL) g Lab File ID: 4PC5008.D

% Moisture: 15 Decanted: (Y/N) N Date Received: 8/5/05

Extraction: (Type) SONC Date Extracted: 8/8/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 8/11/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.77 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GR-B217-S

Lab Name: Chemtech Contract: Stantec

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-15

Sample wt/vol: 30 (g/mL) g Lab File ID: 4PC5009.D

% Moisture: 12 Decanted: (Y/N) N Date Received: 8/5/05

Extraction: (Type) SONC Date Extracted: 8/8/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 8/11/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.78 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GR-B212-S

Lab Name: Chemtech Contract: Stantec

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-16

Sample wt/vol: 30 (g/mL) g Lab File ID: 4PC5010.D

% Moisture: 15 Decanted: (Y/N) N Date Received: 8/5/05

Extraction: (Type) SONC Date Extracted: 8/8/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 8/11/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.33 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GR-B215-S

Lab Name: Chemtech Contract: Stantec

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-17

Sample wt/vol: 30 (g/mL) g Lab File ID: 4PC5011.D

% Moisture: 19 Decanted: (Y/N) N Date Received: 8/5/05

Extraction: (Type) SONC Date Extracted: 8/8/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 8/11/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.40 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	41	U
11096-82-5	Aroclor-1260	41	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GR-B216-S

Lab Name: Chemtech Contract: Stantec

Lab Code: CTECH Case No.: T4080 SAS No.: T4080 SDG No.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-18

Sample wt/vol: 30 (g/mL) g Lab File ID: 4PC5012.D

% Moisture: 17 Decanted: (Y/N) N Date Received: 8/5/05

Extraction: (Type) SONC Date Extracted: 8/8/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 8/11/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.69 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B214-S

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMED Case No.: T4080 NRAS No.: T4080 SDG NO.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-10

Level (low/med): LOW Date Received: 08/05/2005

% Solids: 84.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5930			P
7440-36-0	Antimony	1.2	J	N	P
7440-38-2	Arsenic	10.6		NE	P
7440-39-3	Barium	157		N	P
7440-41-7	Beryllium	0.60	J	N	P
7440-43-9	Cadmium	0.26	J	N	P
7440-70-2	Calcium	17600		*	P
7440-47-3	Chromium	10.6		N	P
7440-48-4	Cobalt	6.8	J	N	P
7440-50-8	Copper	87.5		*	P
7439-89-6	Iron	17200			P
7439-92-1	Lead	295		*	P
7439-95-4	Magnesium	6070			P
7439-96-5	Manganese	347			P
7439-97-6	Mercury	0.363		N	CV
7440-02-0	Nickel	10.9		N	P
7440-09-7	Potassium	762	J	E	P
7782-49-2	Selenium	1.4	J	N	P
7440-22-4	Silver	2.3	U	N	P
7440-23-5	Sodium	309	J		P
7440-28-0	Thallium	5.8	U	N	P
7440-62-2	Vanadium	29.2		N	P
7440-66-6	Zinc	183		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-S-DUP

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMED Case No.: T4080 NRAS No.: T4080 SDG NO.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-11

Level (low/med): LOW Date Received: 08/05/2005

% Solids: 85.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5260			P
7440-36-0	Antimony	14.0	U	N	P
7440-38-2	Arsenic	10.1		NE	P
7440-39-3	Barium	135		N	P
7440-41-7	Beryllium	0.38	J	N	P
7440-43-9	Cadmium	0.47	J	N	P
7440-70-2	Calcium	25100		*	P
7440-47-3	Chromium	8.3		N	P
7440-48-4	Cobalt	5.4	J	N	P
7440-50-8	Copper	231		*	P
7439-89-6	Iron	10900			P
7439-92-1	Lead	306		*	P
7439-95-4	Magnesium	12900			P
7439-96-5	Manganese	307			P
7439-97-6	Mercury	0.365		N	CV
7440-02-0	Nickel	10.2		N	P
7440-09-7	Potassium	771	J	E	P
7782-49-2	Selenium	0.98	J	N	P
7440-22-4	Silver	2.3	U	N	P
7440-23-5	Sodium	335	J		P
7440-28-0	Thallium	5.8	U	N	P
7440-62-2	Vanadium	16.7		N	P
7440-66-6	Zinc	187		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B213-S

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMED Case No.: T4080 NRAS No.: T4080 SDG NO.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-14

Level (low/med): LOW Date Received: 08/05/2005

% Solids: 84.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7390			P
7440-36-0	Antimony	13.9	U	N	P
7440-38-2	Arsenic	5.8		NE	P
7440-39-3	Barium	130		N	P
7440-41-7	Beryllium	0.39	J	N	P
7440-43-9	Cadmium	7.3		N	P
7440-70-2	Calcium	13800		*	P
7440-47-3	Chromium	9.9		N	P
7440-48-4	Cobalt	5.1	J	N	P
7440-50-8	Copper	37.8		*	P
7439-89-6	Iron	11500			P
7439-92-1	Lead	238		*	P
7439-95-4	Magnesium	4990			P
7439-96-5	Manganese	197			P
7439-97-6	Mercury	0.316		N	CV
7440-02-0	Nickel	9.6		N	P
7440-09-7	Potassium	709	J	E	P
7782-49-2	Selenium	1.2	J	N	P
7440-22-4	Silver	2.3	U	N	P
7440-23-5	Sodium	265	J		P
7440-28-0	Thallium	5.8	U	N	P
7440-62-2	Vanadium	17.6		N	P
7440-66-6	Zinc	121		N	P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B217-S

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMED Case No.: T4080 NRAS No.: T4080 SDG NO.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-15

Level (low/med): LOW Date Received: 08/05/2005

% Solids: 88.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4940			P
7440-36-0	Antimony	13.6	U	N	P
7440-38-2	Arsenic	8.3		NE	P
7440-39-3	Barium	125		N	P
7440-41-7	Beryllium	0.31	J	N	P
7440-43-9	Cadmium	0.25	J	N	P
7440-70-2	Calcium	19800		*	P
7440-47-3	Chromium	7.7		N	P
7440-48-4	Cobalt	5.1	J	N	P
7440-50-8	Copper	99.9		*	P
7439-89-6	Iron	10800			P
7439-92-1	Lead	588		*	P
7439-95-4	Magnesium	6660			P
7439-96-5	Manganese	254			P
7439-97-6	Mercury	0.185		N	CV
7440-02-0	Nickel	8.8	J	N	P
7440-09-7	Potassium	757	J	E	P
7782-49-2	Selenium	1.1	J	N	P
7440-22-4	Silver	2.3	U	N	P
7440-23-5	Sodium	686	J		P
7440-28-0	Thallium	5.7	U	N	P
7440-62-2	Vanadium	13.3		N	P
7440-66-6	Zinc	220		N	P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B212-S

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMED Case No.: T4080 NRAS No.: T4080 SDG NO.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-16

Level (low/med): LOW Date Received: 08/05/2005

% Solids: 85.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1920			P
7440-36-0	Antimony	14.0	U	N	P
7440-38-2	Arsenic	0.51	J	NE	P
7440-39-3	Barium	14.8	J	N	P
7440-41-7	Beryllium	0.09	J	N	P
7440-43-9	Cadmium	1.2	U	N	P
7440-70-2	Calcium	28800		*	P
7440-47-3	Chromium	2.8		N	P
7440-48-4	Cobalt	1.9	J	N	P
7440-50-8	Copper	7.8		*	P
7439-89-6	Iron	4440			P
7439-92-1	Lead	3.1		*	P
7439-95-4	Magnesium	6430			P
7439-96-5	Manganese	170			P
7439-97-6	Mercury	0.118	U	N	CV
7440-02-0	Nickel	3.4	J	N	P
7440-09-7	Potassium	497	J	E	P
7782-49-2	Selenium	8.2	U	N	P
7440-22-4	Silver	2.3	U	N	P
7440-23-5	Sodium	1160	U		P
7440-28-0	Thallium	5.8	U	N	P
7440-62-2	Vanadium	4.6	J	N	P
7440-66-6	Zinc	17.7		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B215-S

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMED Case No.: T4080 NRAS No.: T4080 SDG NO.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-17

Level (low/med): LOW Date Received: 08/05/2005

% Solids: 81.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3310			P
7440-36-0	Antimony	14.5	U	N	P
7440-38-2	Arsenic	1.7		NE	P
7440-39-3	Barium	26.5	J	N	P
7440-41-7	Beryllium	0.17	J	N	P
7440-43-9	Cadmium	1.2	U	N	P
7440-70-2	Calcium	29300		*	P
7440-47-3	Chromium	5.0		N	P
7440-48-4	Cobalt	4.1	J	N	P
7440-50-8	Copper	10.5		*	P
7439-89-6	Iron	8300			P
7439-92-1	Lead	5.4		*	P
7439-95-4	Magnesium	9390			P
7439-96-5	Manganese	234			P
7439-97-6	Mercury	0.123	U	N	CV
7440-02-0	Nickel	8.2	J	N	P
7440-09-7	Potassium	624	J	E	P
7782-49-2	Selenium	8.4	U	N	P
7440-22-4	Silver	2.4	U	N	P
7440-23-5	Sodium	1210	U		P
7440-28-0	Thallium	6.0	U	N	P
7440-62-2	Vanadium	7.3	J	N	P
7440-66-6	Zinc	30.0		N	P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B216-S

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMED Case No.: T4080 NRAS No.: T4080 SDG NO.: T4080

Matrix (soil/water): SOIL Lab Sample ID: T4080-18

Level (low/med): LOW Date Received: 08/05/2005

% Solids: 83.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7630			P
7440-36-0	Antimony	14.4	U	N	P
7440-38-2	Arsenic	11.0		NE	P
7440-39-3	Barium	165		N	P
7440-41-7	Beryllium	0.55	J	N	P
7440-43-9	Cadmium	1.0	J	N	P
7440-70-2	Calcium	8990		*	P
7440-47-3	Chromium	11.0		N	P
7440-48-4	Cobalt	5.9	J	N	P
7440-50-8	Copper	905		*	P
7439-89-6	Iron	13700			P
7439-92-1	Lead	402		*	P
7439-95-4	Magnesium	2840			P
7439-96-5	Manganese	269			P
7439-97-6	Mercury	0.787		N	CV
7440-02-0	Nickel	13.0		N	P
7440-09-7	Potassium	722	J	E	P
7782-49-2	Selenium	1.4	J	N	P
7440-22-4	Silver	2.4	U	N	P
7440-23-5	Sodium	132	J		P
7440-28-0	Thallium	6.0	U	N	P
7440-62-2	Vanadium	24.6		N	P
7440-66-6	Zinc	395		N	P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Hit Summary Sheet
SW-846

SDG No.: T4080 **Order ID:** T4080

Client: Stantec **Project ID:** Gregory St

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**GR-B212-S**							
T4080-16	GR-B212-S	SOIL	Aluminum	1920		46.6	4.2	mg/Kg
T4080-16	GR-B212-S	SOIL	Arsenic	0.51	J	1.2	0.30	mg/Kg
T4080-16	GR-B212-S	SOIL	Barium	14.8	J	46.6	0.15	mg/Kg
T4080-16	GR-B212-S	SOIL	Beryllium	0.09	J	1.2	0.02	mg/Kg
T4080-16	GR-B212-S	SOIL	Calcium	28800		1160	2.7	mg/Kg
T4080-16	GR-B212-S	SOIL	Chromium	2.8		2.3	0.16	mg/Kg
T4080-16	GR-B212-S	SOIL	Cobalt	1.9	J	11.6	0.29	mg/Kg
T4080-16	GR-B212-S	SOIL	Copper	7.8		5.8	0.41	mg/Kg
T4080-16	GR-B212-S	SOIL	Iron	4440		23.3	4.7	mg/Kg
T4080-16	GR-B212-S	SOIL	Lead	3.1		2.3	0.20	mg/Kg
T4080-16	GR-B212-S	SOIL	Magnesium	6430		1160	2.3	mg/Kg
T4080-16	GR-B212-S	SOIL	Manganese	170		3.5	0.06	mg/Kg
T4080-16	GR-B212-S	SOIL	Nickel	3.4	J	9.3	0.22	mg/Kg
T4080-16	GR-B212-S	SOIL	Potassium	497	J	1160	4.7	mg/Kg
T4080-16	GR-B212-S	SOIL	Vanadium	4.6	J	11.6	0.38	mg/Kg
T4080-16	GR-B212-S	SOIL	Zinc	17.7		14.0	0.36	mg/Kg
Client ID:	**GR-B213-S**							
T4080-14	GR-B213-S	SOIL	Aluminum	7390		46.4	4.2	mg/Kg
T4080-14	GR-B213-S	SOIL	Arsenic	5.8		1.2	0.30	mg/Kg
T4080-14	GR-B213-S	SOIL	Barium	130		46.4	0.15	mg/Kg
T4080-14	GR-B213-S	SOIL	Beryllium	0.39	J	1.2	0.02	mg/Kg
T4080-14	GR-B213-S	SOIL	Cadmium	7.3		1.2	0.10	mg/Kg
T4080-14	GR-B213-S	SOIL	Calcium	13800		1160	2.7	mg/Kg
T4080-14	GR-B213-S	SOIL	Chromium	9.9		2.3	0.16	mg/Kg
T4080-14	GR-B213-S	SOIL	Cobalt	5.1	J	11.6	0.29	mg/Kg
T4080-14	GR-B213-S	SOIL	Copper	37.8		5.8	0.41	mg/Kg
T4080-14	GR-B213-S	SOIL	Iron	11500		23.2	4.6	mg/Kg
T4080-14	GR-B213-S	SOIL	Lead	238		2.3	0.20	mg/Kg
T4080-14	GR-B213-S	SOIL	Magnesium	4990		1160	2.3	mg/Kg
T4080-14	GR-B213-S	SOIL	Manganese	197		3.5	0.06	mg/Kg
T4080-14	GR-B213-S	SOIL	Mercury	0.316		0.118	0.035	mg/Kg
T4080-14	GR-B213-S	SOIL	Nickel	9.6		9.3	0.22	mg/Kg
T4080-14	GR-B213-S	SOIL	Potassium	709	J	1160	4.6	mg/Kg
T4080-14	GR-B213-S	SOIL	Selenium	1.2	J	8.1	0.90	mg/Kg
T4080-14	GR-B213-S	SOIL	Sodium	265	J	1160	113	mg/Kg
T4080-14	GR-B213-S	SOIL	Vanadium	17.6		11.6	0.38	mg/Kg
T4080-14	GR-B213-S	SOIL	Zinc	121		13.9	0.36	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: T4080 **Order ID:** T4080

Client: Stantec **Project ID:** Gregory St

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**GR-B214-S**							
T4080-10	GR-B214-S	SOIL	Aluminum	5930		46.6	4.2	mg/Kg
T4080-10	GR-B214-S	SOIL	Antimony	1.2	J	14.0	0.98	mg/Kg
T4080-10	GR-B214-S	SOIL	Arsenic	10.6		1.2	0.30	mg/Kg
T4080-10	GR-B214-S	SOIL	Barium	157		46.6	0.15	mg/Kg
T4080-10	GR-B214-S	SOIL	Beryllium	0.60	J	1.2	0.02	mg/Kg
T4080-10	GR-B214-S	SOIL	Cadmium	0.26	J	1.2	0.10	mg/Kg
T4080-10	GR-B214-S	SOIL	Calcium	17600		1170	2.7	mg/Kg
T4080-10	GR-B214-S	SOIL	Chromium	10.6		2.3	0.16	mg/Kg
T4080-10	GR-B214-S	SOIL	Cobalt	6.8	J	11.7	0.29	mg/Kg
T4080-10	GR-B214-S	SOIL	Copper	87.5		5.8	0.41	mg/Kg
T4080-10	GR-B214-S	SOIL	Iron	17200		23.3	4.7	mg/Kg
T4080-10	GR-B214-S	SOIL	Lead	295		2.3	0.20	mg/Kg
T4080-10	GR-B214-S	SOIL	Magnesium	6070		1170	2.3	mg/Kg
T4080-10	GR-B214-S	SOIL	Manganese	347		3.5	0.06	mg/Kg
T4080-10	GR-B214-S	SOIL	Mercury	0.363		0.118	0.035	mg/Kg
T4080-10	GR-B214-S	SOIL	Nickel	10.9		9.3	0.22	mg/Kg
T4080-10	GR-B214-S	SOIL	Potassium	762	J	1170	4.7	mg/Kg
T4080-10	GR-B214-S	SOIL	Selenium	1.4	J	8.2	0.91	mg/K
T4080-10	GR-B214-S	SOIL	Sodium	309	J	1170	113	mg/Kg
T4080-10	GR-B214-S	SOIL	Vanadium	29.2		11.7	0.38	mg/Kg
T4080-10	GR-B214-S	SOIL	Zinc	183		14.0	0.36	mg/Kg
Client ID:	**GR-B215-S**							
T4080-17	GR-B215-S	SOIL	Aluminum	3310		48.2	4.3	mg/Kg
T4080-17	GR-B215-S	SOIL	Arsenic	1.7		1.2	0.31	mg/Kg
T4080-17	GR-B215-S	SOIL	Barium	26.5	J	48.2	0.16	mg/Kg
T4080-17	GR-B215-S	SOIL	Beryllium	0.17	J	1.2	0.02	mg/Kg
T4080-17	GR-B215-S	SOIL	Calcium	29300		1210	2.8	mg/Kg
T4080-17	GR-B215-S	SOIL	Chromium	5.0		2.4	0.17	mg/Kg
T4080-17	GR-B215-S	SOIL	Cobalt	4.1	J	12.1	0.30	mg/Kg
T4080-17	GR-B215-S	SOIL	Copper	10.5		6.0	0.42	mg/Kg
T4080-17	GR-B215-S	SOIL	Iron	8300		24.1	4.8	mg/Kg
T4080-17	GR-B215-S	SOIL	Lead	5.4		2.4	0.21	mg/Kg
T4080-17	GR-B215-S	SOIL	Magnesium	9390		1210	2.4	mg/Kg
T4080-17	GR-B215-S	SOIL	Manganese	234		3.6	0.06	mg/Kg
T4080-17	GR-B215-S	SOIL	Nickel	8.2	J	9.6	0.23	mg/Kg
T4080-17	GR-B215-S	SOIL	Potassium	624	J	1210	4.8	mg/Kg
T4080-17	GR-B215-S	SOIL	Vanadium	7.3	J	12.1	0.40	mg/Kg
T4080-17	GR-B215-S	SOIL	Zinc	30.0		14.5	0.37	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: T4080 **Order ID:** T4080

Client: Stantec **Project ID:** Gregory St

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**GR-B216-S**							
T4080-18	GR-B216-S	SOIL	Aluminum	7630		48.1	4.3	mg/Kg
T4080-18	GR-B216-S	SOIL	Arsenic	11.0		1.2	0.31	mg/Kg
T4080-18	GR-B216-S	SOIL	Barium	165		48.1	0.16	mg/Kg
T4080-18	GR-B216-S	SOIL	Beryllium	0.55	J	1.2	0.02	mg/Kg
T4080-18	GR-B216-S	SOIL	Cadmium	1.0	J	1.2	0.11	mg/Kg
T4080-18	GR-B216-S	SOIL	Calcium	8990		1200	2.8	mg/Kg
T4080-18	GR-B216-S	SOIL	Chromium	11.0		2.4	0.17	mg/Kg
T4080-18	GR-B216-S	SOIL	Cobalt	5.9	J	12.0	0.30	mg/Kg
T4080-18	GR-B216-S	SOIL	Copper	905		6.0	0.42	mg/Kg
T4080-18	GR-B216-S	SOIL	Iron	13700		24.0	4.8	mg/Kg
T4080-18	GR-B216-S	SOIL	Lead	402		2.4	0.20	mg/Kg
T4080-18	GR-B216-S	SOIL	Magnesium	2840		1200	2.4	mg/Kg
T4080-18	GR-B216-S	SOIL	Manganese	269		3.6	0.06	mg/Kg
T4080-18	GR-B216-S	SOIL	Mercury	0.787		0.120	0.036	mg/Kg
T4080-18	GR-B216-S	SOIL	Nickel	13.0		9.6	0.23	mg/Kg
T4080-18	GR-B216-S	SOIL	Potassium	722	J	1200	4.8	mg/Kg
T4080-18	GR-B216-S	SOIL	Selenium	1.4	J	8.4	0.94	mg/Kg
T4080-18	GR-B216-S	SOIL	Sodium	132	J	1200	117	mg/Kg
T4080-18	GR-B216-S	SOIL	Vanadium	24.6		12.0	0.40	mg/Kg
T4080-18	GR-B216-S	SOIL	Zinc	395		14.4	0.37	mg/Kg
Client ID:	**GR-B217-S**							
T4080-15	GR-B217-S	SOIL	Aluminum	4940		45.5	4.1	mg/Kg
T4080-15	GR-B217-S	SOIL	Arsenic	8.3		1.1	0.30	mg/Kg
T4080-15	GR-B217-S	SOIL	Barium	125		45.5	0.15	mg/Kg
T4080-15	GR-B217-S	SOIL	Beryllium	0.31	J	1.1	0.02	mg/Kg
T4080-15	GR-B217-S	SOIL	Cadmium	0.25	J	1.1	0.10	mg/Kg
T4080-15	GR-B217-S	SOIL	Calcium	19800		1140	2.6	mg/Kg
T4080-15	GR-B217-S	SOIL	Chromium	7.7		2.3	0.16	mg/Kg
T4080-15	GR-B217-S	SOIL	Cobalt	5.1	J	11.4	0.28	mg/Kg
T4080-15	GR-B217-S	SOIL	Copper	99.9		5.7	0.40	mg/Kg
T4080-15	GR-B217-S	SOIL	Iron	10800		22.7	4.5	mg/Kg
T4080-15	GR-B217-S	SOIL	Lead	588		2.3	0.19	mg/Kg
T4080-15	GR-B217-S	SOIL	Magnesium	6660		1140	2.3	mg/Kg
T4080-15	GR-B217-S	SOIL	Manganese	254		3.4	0.06	mg/Kg
T4080-15	GR-B217-S	SOIL	Mercury	0.185		0.114	0.034	mg/Kg
T4080-15	GR-B217-S	SOIL	Nickel	8.8	J	9.1	0.22	mg/Kg
T4080-15	GR-B217-S	SOIL	Potassium	757	J	1140	4.5	mg/Kg
T4080-15	GR-B217-S	SOIL	Selenium	1.1	J	8.0	0.89	mg/Kg
T4080-15	GR-B217-S	SOIL	Sodium	686	J	1140	111	mg/Kg
T4080-15	GR-B217-S	SOIL	Vanadium	13.3		11.4	0.38	mg/Kg
T4080-15	GR-B217-S	SOIL	Zinc	220		13.6	0.35	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: T4080 **Order ID:** T4080

Client: Stantec **Project ID:** Gregory St

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**GR-XX-S-DUP**							
T4080-11	GR-XX-S-DUP	SOIL	Aluminum	5260		46.6	4.2	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Arsenic	10.1		1.2	0.30	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Barium	135		46.6	0.15	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Beryllium	0.38	J	1.2	0.02	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Cadmium	0.47	J	1.2	0.10	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Calcium	25100		1160	2.7	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Chromium	8.3		2.3	0.16	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Cobalt	5.4	J	11.6	0.29	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Copper	231		5.8	0.41	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Iron	10900		23.3	4.7	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Lead	306		2.3	0.20	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Magnesium	12900		1160	2.3	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Manganese	307		3.5	0.06	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Mercury	0.365		0.116	0.035	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Nickel	10.2		9.3	0.22	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Potassium	771	J	1160	4.7	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Selenium	0.98	J	8.1	0.91	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Sodium	335	J	1160	113	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Vanadium	16.7		11.6	0.38	mg/Kg
T4080-11	GR-XX-S-DUP	SOIL	Zinc	187		14.0	0.36	mg/Kg

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

ANALYTICAL RESULTS SUMMARY

PROJECT NAME: Gregory St

STANTEC
2250 BRIGHTON-HENRIETTA TOWN LINE ROAD
ROCHESTER, NY 14623-2674
5854751440

CHEMTECH PROJECT NO. **T4091**
ATTENTION: **Pete Smith**

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B209-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): SOIL Lab Sample ID: T4091-01

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080929.D

Level (low/med): LOW Date Received: 8/6/05

% Moisture: not dec. 10 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
76-13-1	1,1,2-Trichlorotrifluoroethan	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	55	U
75-15-0	Carbon disulfide	11	U
1634-04-4	Methyl tert-butyl Ether	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	3.7	JB
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
110-82-7	Cyclohexane	11	U
78-93-3	2-Butanone	55	U
56-23-5	Carbon Tetrachloride	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
108-87-2	Methylcyclohexane	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
108-10-1	4-Methyl-2-Pentanone	55	U
108-88-3	Toluene	11	U
10061-02-6	t-1,3-Dichloropropene	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
591-78-6	2-Hexanone	55	U
124-48-1	Dibromochloromethane	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B209-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): SOIL Lab Sample ID: T4091-01

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080929.D

Level (low/med): LOW Date Received: 8/6/05

% Moisture: not dec. 10 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
106-93-4	1,2-Dibromoethane	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethyl Benzene	11	U
126777-61-2	m/p-Xylenes	11	U
95-47-6	o-Xylene	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-Chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B209-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): SOIL Lab Sample ID: T4091-01

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK080929.D

Level (low/med): LOW Date Received: 8/6/05

% Moisture: not dec. 10 Date Analyzed: 8/9/05

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B211-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): SOIL Lab Sample ID: T4091-02

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081115.D

Level (low/med): LOW Date Received: 8/6/05

% Moisture: not dec. 16 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethan	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	9.5	J
75-15-0	Carbon disulfide	12	U
1634-04-4	Methyl tert-butyl Ether	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	2.5	JB
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
110-82-7	Cyclohexane	12	U
78-93-3	2-Butanone	60	U
56-23-5	Carbon Tetrachloride	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
108-87-2	Methylcyclohexane	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	60	U
108-88-3	Toluene	12	U
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	60	U
124-48-1	Dibromochloromethane	12	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-B211-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): SOIL Lab Sample ID: T4091-02

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081115.D

Level (low/med): LOW Date Received: 8/6/05

% Moisture: not dec. 16 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1E

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-B211-S

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): SOIL Lab Sample ID: T4091-02

Sample wt/vol: 5.0 (g/mL) g Lab File ID: VK081115.D

Level (low/med): LOW Date Received: 8/6/05

% Moisture: not dec. 16 Date Analyzed: 8/11/05

GC Column: RTXVMS ID: 0.18 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	000629-50-5	Tridecane	10.60	21	J
2.	031295-56-4	Dodecane, 2,6,11-trimethyl-	11.01	23	J
3.	074764-56-0	5-Hepten-3-one, 5-ethyl-4-me	11.14	6.0	J
4.	017312-62-8	Decane, 5-propyl-	11.29	10	J
5.	017312-63-9	Nonane, 5-butyl-	11.64	11	J
6.	005272-02-6	Heptane, 3-chloro-3-methyl-	11.79	7.6	J

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW108-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): WATER Lab Sample ID: T4091-03

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VF081106.D

Level (low/med): Date Received: 8/6/05

% Moisture: not dec. 100 Date Analyzed: 8/11/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	7.4	JB
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW108-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): WATER Lab Sample ID: T4091-03

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VF081106.D

Level (low/med): Date Received: 8/6/05

% Moisture: not dec. 100 Date Analyzed: 8/11/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
1330-20-7	Total Xylenes	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW108-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): WATER Lab Sample ID: T4091-03

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VF081106.D

Level (low/med): Date Received: 8/6/05

% Moisture: not dec. 100 Date Analyzed: 8/11/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW116-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): WATER Lab Sample ID: T4091-04

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VF081107.D

Level (low/med): Date Received: 8/6/05

% Moisture: not dec. 100 Date Analyzed: 8/11/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	11	JB
75-15-0	Carbon disulfide	0.91	J
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	1.0	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	2.8	J
71-43-2	Benzene	2.1	J
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW116-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): WATER Lab Sample ID: T4091-04

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VF081107.D

Level (low/med): Date Received: 8/6/05

% Moisture: not dec. 100 Date Analyzed: 8/11/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	1.9	J
126777-61-2	m/p-Xylenes	190	
95-47-6	o-Xylene	2.4	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	22	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
1330-20-7	Total Xylenes	200	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW116-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CHEM Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): WATER Lab Sample ID: T4091-04

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VF081107.D

Level (low/med): Date Received: 8/6/2005

% Moisture: not dec. 100 Date Analyzed: 8/11/2005

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	007154-80-5	Heptane, 3,3,5-trimethyl-	19.62	78	J
2.	000526-73-8	Benzene, 1,2,3-trimethyl-	19.79	140	J
3.		Unknown20.76	20.76	110	J
4.	000527-84-4	Benzene, 1-methyl-2-(1-methy	22.19	130	J
5.		Unknown23.26	23.26	73	J
6.	000824-90-8	1-Phenyl-1-butene	24.40	120	J
7.	017301-23-4	Undecane, 2,6-dimethyl-	24.77	140	J
8.	026730-14-3	Tridecane, 7-methyl-	26.23	100	J
9.	003891-98-3	Dodecane, 2,6,10-trimethyl-	28.71	98	J

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): WATER Lab Sample ID: T4091-05

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VF081105.D

Level (low/med): Date Received: 8/6/05

% Moisture: not dec. 100 Date Analyzed: 8/11/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	6.8	JB
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	1.2	J
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): WATER Lab Sample ID: T4091-05

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VF081105.D

Level (low/med): Date Received: 8/6/05

% Moisture: not dec. 100 Date Analyzed: 8/11/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
1330-20-7	Total Xylenes	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4091 SAS No.: T4091 SDG No.: T4091

Matrix (soil/water): WATER Lab Sample ID: T4091-05

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VF081105.D

Level (low/med): Date Received: 8/6/05

% Moisture: not dec. 100 Date Analyzed: 8/11/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

Chemtech

Summary Sheet
SW-846

SDG No.: T4091 Order ID: T4091

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-B209-S							
T4091-01	GR-B209-S	SOIL	Methylene Chloride	3.7	JB	11	1.4	ug/Kg
			Total VOC's:	3.70				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	3.70				
Client ID:	GR-B211-S							
T4091-02	GR-B211-S	SOIL	Acetone	9.5	J	60	4.2	ug/Kg
T4091-02	GR-B211-S	SOIL	Methylene Chloride	2.5	JB	12	1.5	ug/Kg
T4091-02	GR-B211-S	SOIL	Tridecane	* 21	J	0	0	ug/Kg
T4091-02	GR-B211-S	SOIL	Dodecane, 2,6,11-trimethyl-	* 23	J	0	0	ug/Kg
T4091-02	GR-B211-S	SOIL	5-Hepten-3-one, 5-ethyl-4-me	* 6.0	J	0	0	ug/Kg
T4091-02	GR-B211-S	SOIL	Decane, 5-propyl-	* 10	J	0	0	ug/Kg
T4091-02	GR-B211-S	SOIL	Nonane, 5-butyl-	* 11	J	0	0	ug/Kg
T4091-02	GR-B211-S	SOIL	Heptane, 3-chloro-3-methyl-	* 7.6	J	0	0	ug/Kg
			Total VOC's:	12.00				
			Total TIC's:	78.60				
			Total VOC's and TIC's:	90.60				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: T4091 **Order ID:** T4091

Client: Stantec **Project ID:** STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**GR-MW108-GW**							
T4091-03	GR-MW108-GW	WATER	Acetone	7.4	J	50	0.50	ug/L
			Total VOC's:	7.40				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	7.40				
Client ID:	**GR-MW116-GW**							
T4091-04	GR-MW116-GW	WATER	Acetone	11	J	50	0.50	ug/L
T4091-04	GR-MW116-GW	WATER	Carbon disulfide	0.91	J	10	0.50	ug/L
T4091-04	GR-MW116-GW	WATER	cis-1,2-Dichloroethene	1.0	J	10	0.50	ug/L
T4091-04	GR-MW116-GW	WATER	Methylcyclohexane	2.8	J	10	0.50	ug/L
T4091-04	GR-MW116-GW	WATER	Benzene	2.1	J	10	0.50	ug/L
T4091-04	GR-MW116-GW	WATER	Ethyl Benzene	1.9	J	10	0.50	ug/L
T4091-04	GR-MW116-GW	WATER	m/p-Xylenes	190		10	0.50	ug/L
T4091-04	GR-MW116-GW	WATER	o-Xylene	2.4	J	10	0.50	ug/L
T4091-04	GR-MW116-GW	WATER	Isopropylbenzene	22		10	0.50	ug/L
T4091-04	GR-MW116-GW	WATER	Heptane, 3,3,5-trimethyl-	* 78	J	0	0	ug/L
T4091-04	GR-MW116-GW	WATER	Benzene, 1,2,3-trimethyl-	* 140	J	0	0	ug/L
T4091-04	GR-MW116-GW	WATER	Unknown20.76	* 110	J	0	0	ug/L
T4091-04	GR-MW116-GW	WATER	Benzene, 1-methyl-2-(1-methy	* 130	J	0	0	ug/L
T4091-04	GR-MW116-GW	WATER	Unknown23.26	* 73	J	0	0	ug/L
T4091-04	GR-MW116-GW	WATER	1-Phenyl-1-butene	* 120	J	0	0	ug/L
T4091-04	GR-MW116-GW	WATER	Undecane, 2,6-dimethyl-	* 140	J	0	0	ug/L
T4091-04	GR-MW116-GW	WATER	Tridecane, 7-methyl-	* 100	J	0	0	ug/L
T4091-04	GR-MW116-GW	WATER	Dodecane, 2,6,10-trimethyl-	* 98	J	0	0	ug/L
T4091-04	GR-MW116-GW	WATER	Total Xylenes	200	U	10	0.50	ug/L
			Total VOC's:	434.11				
			Total TIC's:	989.00				
			Total VOC's and TIC's:	1423.11				
Client ID:	**TRIPBLANK**							
T4091-05	TRIPBLANK	WATER	Acetone	6.8	J	50	0.50	ug/L
T4091-05	TRIPBLANK	WATER	Methylene Chloride	1.2	J	10	0.50	ug/L
			Total VOC's:	8.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	8.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

ANALYTICAL RESULTS
SUMMARY

PROJECT NAME: Gregory St

STANTEC
2250 BRIGHTON-HENRIETTA TOWN LINE ROAD
ROCHESTER, NY 14623-2674
5854751440

A FULL SERVICE ENVIRONMENTAL ... FIRM

CHEMTECH PROJECT NO. **T4138**
ATTENTION: **Pete Smith**

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-GW-RB

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-01

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081606.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-GW-RB

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-01

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081606.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane		10	U
127-18-4	Tetrachloroethene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethyl Benzene		10	U
126777-61-2	m/p-Xylenes		10	U
95-47-6	o-Xylene		10	U
100-42-5	Styrene		10	U
75-25-2	Bromoform		10	U
98-82-8	Isopropylbenzene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
541-73-1	1,3-Dichlorobenzene		10	U
106-46-7	1,4-Dichlorobenzene		10	U
95-50-1	1,2-Dichlorobenzene		10	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-XX-GW-RB

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-01

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081606.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW101-LNAPL

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-02

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081625.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	8.0	J
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	2.0	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	3.5	J
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1;2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW101-LNAPL

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-02

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081625.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	1.0	J
126777-61-2	m/p-Xylenes	16	
95-47-6	o-Xylene	1.7	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW101-LNAPL

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-02

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081625.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW101-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-03

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081626.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	1.8	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	3.7	J
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW101-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-03

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081626.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	6.2	J
126777-61-2	m/p-Xylenes	60	
95-47-6	o-Xylene	57	
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	3.5	J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW101-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-03

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081626.D

Level (low/med): Date Received: 8/10/2005

% Moisture: not dec. 100 Date Analyzed: 8/16/2005

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	526738	Benzene, 1,2,3-trimethyl-	12.57	6.58	J
2.		Unknown	12.94	5.56	J

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW105-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-04

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081612.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW105-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-04

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081612.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane		10	U
127-18-4	Tetrachloroethene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethyl Benzene		10	U
126777-61-2	m/p-Xylenes		10	U
95-47-6	o-Xylene		10	U
100-42-5	Styrene		10	U
75-25-2	Bromoform		10	U
98-82-8	Isopropylbenzene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
541-73-1	1,3-Dichlorobenzene		10	U
106-46-7	1,4-Dichlorobenzene		10	U
95-50-1	1,2-Dichlorobenzene		10	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW105-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-04

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081612.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW110-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-05

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081613.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW110-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-05

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081613.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW110-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-05

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081613.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW216-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-06

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081614.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW216-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-06

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081614.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW216-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-06

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081614.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

Chemtech

Summary Sheet
SW-846

SDG No.: T4138 Order ID: T4138

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
Client ID:	GR-MW101-GW								
T4138-03	GR-MW101-GW	WATER	cis-1,2-Dichloroethene		1.8	J	10	0.50	ug/L
T4138-03	GR-MW101-GW	WATER	Benzene		3.7	J	10	0.50	ug/L
T4138-03	GR-MW101-GW	WATER	Ethyl Benzene		6.2	J	10	0.50	ug/L
T4138-03	GR-MW101-GW	WATER	m/p-Xylenes		60		10	0.50	ug/L
T4138-03	GR-MW101-GW	WATER	o-Xylene		57		10	0.50	ug/L
T4138-03	GR-MW101-GW	WATER	Isopropylbenzene		3.5	J	10	0.50	ug/L
T4138-03	GR-MW101-GW	WATER	Benzene, 1,2,3-trimethyl-	*	6.58	J	0	0	ug/L
T4138-03	GR-MW101-GW	WATER	Unknown	*	5.56	J	0	0	ug/L
			Total VOC's:		132.20				
			Total TIC's:		12.14				
			Total VOC's and TIC's:		144.34				
Client ID:	GR-MW101-LNAPL								
T4138-02	GR-MW101-LNAPL	WATER	Methylene Chloride		8.0	J	10	0.50	ug/L
T4138-02	GR-MW101-LNAPL	WATER	cis-1,2-Dichloroethene		2.0	J	10	0.50	ug/L
T4138-02	GR-MW101-LNAPL	WATER	Benzene		3.5	J	10	0.50	ug/L
T4138-02	GR-MW101-LNAPL	WATER	Ethyl Benzene		1.0	J	10	0.50	ug/L
T4138-02	GR-MW101-LNAPL	WATER	m/p-Xylenes		16		10	0.50	ug/L
T4138-02	GR-MW101-LNAPL	WATER	o-Xylene		1.7	J	10	0.50	ug/L
			Total VOC's:		32.20				
			Total TIC's:		0.00				
			Total VOC's and TIC's:		32.20				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW217-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-07

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081615.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW217-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-07

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081615.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW217-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-07

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081615.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW106-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-08

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081616.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW106-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-08

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081616.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW106-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-08

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081616.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-DUP

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-09

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081617.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-DUP

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-09

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081617.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-XX-DUP

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-09

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081617.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW114-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-10

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081618.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW114-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-10

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081618.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg) ug/L	Q
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW114-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-10

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081618.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW208-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-11

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081619.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW208-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-11

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081619.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW208-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-11

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081619.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW209-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-12

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081620.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW209-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-12

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081620.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/15/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW209-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-12

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081620.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW210-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-13

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081621.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW210-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-13

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081621.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW210-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-13

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081621.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW113-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-14

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081622.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW113-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-14

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081622.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW113-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-14

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081622.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW211-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-15

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081623.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW211-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-15

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081623.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW211-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-15

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081623.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW104-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-16

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081608.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		10	U
76-13-1	1,1,2-Trichlorotrifluoroethan		10	U
75-35-4	1,1-Dichloroethene		10	U
67-64-1	Acetone		50	U
75-15-0	Carbon disulfide		10	U
1634-04-4	Methyl tert-butyl Ether		10	U
79-20-9	Methyl Acetate		10	U
75-09-2	Methylene Chloride		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
110-82-7	Cyclohexane		10	U
78-93-3	2-Butanone		50	U
56-23-5	Carbon Tetrachloride		10	U
156-59-2	cis-1,2-Dichloroethene		10	U
67-66-3	Chloroform		10	U
71-55-6	1,1,1-Trichloroethane		10	U
108-87-2	Methylcyclohexane		10	U
71-43-2	Benzene		10	U
107-06-2	1,2-Dichloroethane		10	U
79-01-6	Trichloroethene		10	U
78-87-5	1,2-Dichloropropane		10	U
75-27-4	Bromodichloromethane		10	U
108-10-1	4-Methyl-2-Pentanone		50	U
108-88-3	Toluene		10	U
10061-02-6	t-1,3-Dichloropropene		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
591-78-6	2-Hexanone		50	U
124-48-1	Dibromochloromethane		10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW104-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-16

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081608.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW104-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-16

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081608.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW111-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-19

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081624.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW111-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-19

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081624.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GR-MW111-GW

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-19

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081624.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-20

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081605.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethan	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-butyl Ether	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	50	U
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-20

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: VH081605.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 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
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: STAN02

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-20

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: VH081605.D

Level (low/med): Date Received: 8/10/05

% Moisture: not dec. 100 Date Analyzed: 8/16/05

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

Chemtech

Summary Sheet
SW-846

SDG No.: T4138 Order ID: T4138

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-MW101-GW							
T4138-03	GR-MW101-GW	WATER	cis-1,2-Dichloroethene	1.8	J	10	0.50	ug/L
T4138-03	GR-MW101-GW	WATER	Benzene	3.7	J	10	0.50	ug/L
T4138-03	GR-MW101-GW	WATER	Ethyl Benzene	6.2	J	10	0.50	ug/L
T4138-03	GR-MW101-GW	WATER	m/p-Xylenes	60		10	0.50	ug/L
T4138-03	GR-MW101-GW	WATER	o-Xylene	57		10	0.50	ug/L
T4138-03	GR-MW101-GW	WATER	Isopropylbenzene	3.5	J	10	0.50	ug/L
			Total VOC's:	132.20				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	132.20				
Client ID:	GR-MW101-LNAPL							
T4138-02	GR-MW101-LNAPL	WATER	Methylene Chloride	8.0	J	10	0.50	ug/L
T4138-02	GR-MW101-LNAPL	WATER	cis-1,2-Dichloroethene	2.0	J	10	0.50	ug/L
T4138-02	GR-MW101-LNAPL	WATER	Benzene	3.5	J	10	0.50	ug/L
T4138-02	GR-MW101-LNAPL	WATER	Ethyl Benzene	1.0	J	10	0.50	ug/L
T4138-02	GR-MW101-LNAPL	WATER	m/p-Xylenes	16		10	0.50	ug/L
T4138-02	GR-MW101-LNAPL	WATER	o-Xylene	1.7	J	10	0.50	ug/L
			Total VOC's:	32.20				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	32.20				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW216-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-06

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020378.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	310	E
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW216-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-06

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020378.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		Q
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW216-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-06

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020378.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
191-24-2	Benzo(g,h,i)perylene	10	U

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-MW216-GW

Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-06

Sample wt/vol: 980.00 (g/mL) ml Lab File ID: BA020378.D

Level (low/med): LOW Date Received: 8/10/2005

% Moisture: 0 decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICS found: 3 Concentration Units: ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	2.33	20	J
	ACP4.83	4.84	7.7	A
	Unknown10.97	10.97	150	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW216-GWDL

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-06DL

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020519.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
100-52-7	Benzaldehyde	100	UD
108-95-2	Phenol	100	UD
111-44-4	bis(2-Chloroethyl)ether	100	UD
95-57-8	2-Chlorophenol	100	UD
95-48-7	2-Methylphenol	100	UD
108-60-1	2,2-oxybis(1-Chloropropane)	100	UD
98-86-2	Acetophenone	100	UD
106-44-5	3+4-Methylphenols	100	UD
621-64-7	N-Nitroso-di-n-propylamine	100	UD
67-72-1	Hexachloroethane	100	UD
98-95-3	Nitrobenzene	100	UD
78-59-1	Isophorone	100	UD
88-75-5	2-Nitrophenol	100	UD
105-67-9	2,4-Dimethylphenol	100	UD
111-91-1	bis(2-Chloroethoxy)methane	100	UD
120-83-2	2,4-Dichlorophenol	100	UD
91-20-3	Naphthalene	100	UD
106-47-8	4-Chloroaniline	100	UD
87-68-3	Hexachlorobutadiene	100	UD
105-60-2	Caprolactam	320	D
59-50-7	4-Chloro-3-methylphenol	100	UD
91-57-6	2-Methylnaphthalene	100	UD
77-47-4	Hexachlorocyclopentadiene	100	UD
88-06-2	2,4,6-Trichlorophenol	100	UD
95-95-4	2,4,5-Trichlorophenol	100	UD
92-52-4	1,1-Biphenyl	100	UD
91-58-7	2-Chloronaphthalene	100	UD
88-74-4	2-Nitroaniline	100	UD
131-11-3	Dimethylphthalate	100	UD
208-96-8	Acenaphthylene	100	UD
606-20-2	2,6-Dinitrotoluene	100	UD
99-09-2	3-Nitroaniline	100	UD

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW216-GWDL

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-06DL

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020519.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
83-32-9	Acenaphthene	100	UD
51-28-5	2,4-Dinitrophenol	200	UD
100-02-7	4-Nitrophenol	200	UD
132-64-9	Dibenzofuran	100	UD
121-14-2	2,4-Dinitrotoluene	100	UD
84-66-2	Diethylphthalate	100	UD
7005-72-3	4-Chlorophenyl-phenylether	100	UD
86-73-7	Fluorene	100	UD
100-01-6	4-Nitroaniline	100	UD
534-52-1	4,6-Dinitro-2-methylphenol	200	UD
86-30-6	N-Nitrosodiphenylamine	100	UD
101-55-3	4-Bromophenyl-phenylether	100	UD
118-74-1	Hexachlorobenzene	100	UD
1912-24-9	Atrazine	100	UD
87-86-5	Pentachlorophenol	200	UD
85-01-8	Phenanthrene	100	UD
120-12-7	Anthracene	100	UD
86-74-8	Carbazole	100	UD
84-74-2	Di-n-butylphthalate	100	UD
206-44-0	Fluoranthene	100	UD
129-00-0	Pyrene	100	UD
85-68-7	Butylbenzylphthalate	100	UD
91-94-1	3,3-Dichlorobenzidine	200	UD
56-55-3	Benzo(a)anthracene	100	UD
218-01-9	Chrysene	100	UD
117-81-7	bis(2-Ethylhexyl)phthalate	100	UD
117-84-0	Di-n-octyl phthalate	100	UD
205-99-2	Benzo(b)fluoranthene	100	UD
207-08-9	Benzo(k)fluoranthene	100	UD
50-32-8	Benzo(a)pyrene	100	UD
193-39-5	Indeno(1,2,3-cd)pyrene	100	UD
53-70-3	Dibenz(a,h)anthracene	100	UD

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW216-GWDL

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-06DL

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020519.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
191-24-2	Benzo(g,h,i)perylene	100	UD

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-MW216-GWDL

Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-06DL

Sample wt/vol: 980.00 (g/mL) ml Lab File ID: BA020519.D

Level (low/med): LOW Date Received: 8/10/2005

% Moisture: 0 decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Number TICS found: 0 Concentration Units: ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW217-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-07

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020512.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	280	E
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW217-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-07

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020512.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		Q
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW217-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-07

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020512.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
191-24-2	Benzo(g,h,i)perylene	10	U

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-MW217-GW

Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-07

Sample wt/vol: 980.00 (g/mL) ml Lab File ID: BA020512.D

Level (low/med): LOW Date Received: 8/10/2005

% Moisture: 0 decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICS found: 1 Concentration Units: ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	ACP4.83	4.79	7.7	A

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW217-GWDL

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-07DL

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020520.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
100-52-7	Benzaldehyde	100	UD
108-95-2	Phenol	100	UD
111-44-4	bis(2-Chloroethyl)ether	100	UD
95-57-8	2-Chlorophenol	100	UD
95-48-7	2-Methylphenol	100	UD
108-60-1	2,2-oxybis(1-Chloropropane)	100	UD
98-86-2	Acetophenone	100	UD
106-44-5	3+4-Methylphenols	100	UD
621-64-7	N-Nitroso-di-n-propylamine	100	UD
67-72-1	Hexachloroethane	100	UD
98-95-3	Nitrobenzene	100	UD
78-59-1	Isophorone	100	UD
88-75-5	2-Nitrophenol	100	UD
105-67-9	2,4-Dimethylphenol	100	UD
111-91-1	bis(2-Chloroethoxy)methane	100	UD
120-83-2	2,4-Dichlorophenol	100	UD
91-20-3	Naphthalene	100	UD
106-47-8	4-Chloroaniline	100	UD
87-68-3	Hexachlorobutadiene	100	UD
105-60-2	Caprolactam	260	D
59-50-7	4-Chloro-3-methylphenol	100	UD
91-57-6	2-Methylnaphthalene	100	UD
77-47-4	Hexachlorocyclopentadiene	100	UD
88-06-2	2,4,6-Trichlorophenol	100	UD
95-95-4	2,4,5-Trichlorophenol	100	UD
92-52-4	1,1-Biphenyl	100	UD
91-58-7	2-Chloronaphthalene	100	UD
88-74-4	2-Nitroaniline	100	UD
131-11-3	Dimethylphthalate	100	UD
208-96-8	Acenaphthylene	100	UD
606-20-2	2,6-Dinitrotoluene	100	UD
99-09-2	3-Nitroaniline	100	UD

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW217-GWDL

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-07DL

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020520.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
83-32-9	Acenaphthene	100	UD
51-28-5	2,4-Dinitrophenol	200	UD
100-02-7	4-Nitrophenol	200	UD
132-64-9	Dibenzofuran	100	UD
121-14-2	2,4-Dinitrotoluene	100	UD
84-66-2	Diethylphthalate	100	UD
7005-72-3	4-Chlorophenyl-phenylether	100	UD
86-73-7	Fluorene	100	UD
100-01-6	4-Nitroaniline	100	UD
534-52-1	4,6-Dinitro-2-methylphenol	200	UD
86-30-6	N-Nitrosodiphenylamine	100	UD
101-55-3	4-Bromophenyl-phenylether	100	UD
118-74-1	Hexachlorobenzene	100	UD
1912-24-9	Atrazine	100	UD
87-86-5	Pentachlorophenol	200	UD
85-01-8	Phenanthrene	100	UD
120-12-7	Anthracene	100	UD
86-74-8	Carbazole	100	UD
84-74-2	Di-n-butylphthalate	100	UD
206-44-0	Fluoranthene	100	UD
129-00-0	Pyrene	100	UD
85-68-7	Butylbenzylphthalate	100	UD
91-94-1	3,3-Dichlorobenzidine	200	UD
56-55-3	Benzo(a)anthracene	100	UD
218-01-9	Chrysene	100	UD
117-81-7	bis(2-Ethylhexyl)phthalate	100	UD
117-84-0	Di-n-octyl phthalate	100	UD
205-99-2	Benzo(b)fluoranthene	100	UD
207-08-9	Benzo(k)fluoranthene	100	UD
50-32-8	Benzo(a)pyrene	100	UD
193-39-5	Indeno(1,2,3-cd)pyrene	100	UD
53-70-3	Dibenz(a,h)anthracene	100	UD

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW217-GWDL

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-07DL

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020520.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
191-24-2	Benzo(g,h,i)perylene	100	UD

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-MW217-GWDL

Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-07DL

Sample wt/vol: 980.00 (g/mL) ml Lab File ID: BA020520.D

Level (low/med): LOW Date Received: 8/10/2005

% Moisture: 0 decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Number TICS found: 0 Concentration Units: ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW106-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-08

Sample wt/vol: 960.0 (g/mL) mL Lab File ID: BA020379.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	370	E
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW106-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-08

Sample wt/vol: 960.0 (g/mL) mL Lab File ID: BA020379.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	21	U
100-02-7	4-Nitrophenol	21	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	21	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	21	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	2.0	J
91-94-1	3,3-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	5.6	JB
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW106-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-08

Sample wt/vol: 960.0 (g/mL) mL Lab File ID: BA020379.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
191-24-2	Benzo(g,h,i)perylene	10	U

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-MW106-GW

Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-08

Sample wt/vol: 960.00 (g/mL) ml Lab File ID: BA020379.D

Level (low/med): LOW Date Received: 8/10/2005

% Moisture: 0 decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICS found: 6 Concentration Units: ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	2.32	26	J
	ACP4.83	4.82	7.6	A
	Unknown10.98	10.98	170	J
62016-79-9	Heptacosane, 1-chloro-	23.74	5.3	J
7683-64-9	Squalene	23.93	14	J
38775-38-1	1-Hexadecanesulfonyl chloride	25.61	5.2	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW106-GWDL

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-08DL

Sample wt/vol: 960.0 (g/mL) mL Lab File ID: BA020521.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
100-52-7	Benzaldehyde	100	UD
108-95-2	Phenol	100	UD
111-44-4	bis(2-Chloroethyl)ether	100	UD
95-57-8	2-Chlorophenol	100	UD
95-48-7	2-Methylphenol	100	UD
108-60-1	2,2-oxybis(1-Chloropropane)	100	UD
98-86-2	Acetophenone	100	UD
106-44-5	3+4-Methylphenols	100	UD
621-64-7	N-Nitroso-di-n-propylamine	100	UD
67-72-1	Hexachloroethane	100	UD
98-95-3	Nitrobenzene	100	UD
78-59-1	Isophorone	100	UD
88-75-5	2-Nitrophenol	100	UD
105-67-9	2,4-Dimethylphenol	100	UD
111-91-1	bis(2-Chloroethoxy)methane	100	UD
120-83-2	2,4-Dichlorophenol	100	UD
91-20-3	Naphthalene	100	UD
106-47-8	4-Chloroaniline	100	UD
87-68-3	Hexachlorobutadiene	100	UD
105-60-2	Caprolactam	380	D
59-50-7	4-Chloro-3-methylphenol	100	UD
91-57-6	2-Methylnaphthalene	100	UD
77-47-4	Hexachlorocyclopentadiene	100	UD
88-06-2	2,4,6-Trichlorophenol	100	UD
95-95-4	2,4,5-Trichlorophenol	100	UD
92-52-4	1,1-Biphenyl	100	UD
91-58-7	2-Chloronaphthalene	100	UD
88-74-4	2-Nitroaniline	100	UD
131-11-3	Dimethylphthalate	100	UD
208-96-8	Acenaphthylene	100	UD
606-20-2	2,6-Dinitrotoluene	100	UD
99-09-2	3-Nitroaniline	100	UD

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW106-GWDL

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-08DL

Sample wt/vol: 960.0 (g/mL) mL Lab File ID: BA020521.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
83-32-9	Acenaphthene	100	UD
51-28-5	2,4-Dinitrophenol	210	UD
100-02-7	4-Nitrophenol	210	UD
132-64-9	Dibenzofuran	100	UD
121-14-2	2,4-Dinitrotoluene	100	UD
84-66-2	Diethylphthalate	100	UD
7005-72-3	4-Chlorophenyl-phenylether	100	UD
86-73-7	Fluorene	100	UD
100-01-6	4-Nitroaniline	100	UD
534-52-1	4,6-Dinitro-2-methylphenol	210	UD
86-30-6	N-Nitrosodiphenylamine	100	UD
101-55-3	4-Bromophenyl-phenylether	100	UD
118-74-1	Hexachlorobenzene	100	UD
1912-24-9	Atrazine	100	UD
87-86-5	Pentachlorophenol	210	UD
85-01-8	Phenanthrene	100	UD
120-12-7	Anthracene	100	UD
86-74-8	Carbazole	100	UD
84-74-2	Di-n-butylphthalate	100	UD
206-44-0	Fluoranthene	100	UD
129-00-0	Pyrene	100	UD
85-68-7	Butylbenzylphthalate	100	UD
91-94-1	3,3-Dichlorobenzidine	210	UD
56-55-3	Benzo(a)anthracene	100	UD
218-01-9	Chrysene	100	UD
117-81-7	bis(2-Ethylhexyl)phthalate	100	UD
117-84-0	Di-n-octyl phthalate	100	UD
205-99-2	Benzo(b)fluoranthene	100	UD
207-08-9	Benzo(k)fluoranthene	100	UD
50-32-8	Benzo(a)pyrene	100	UD
193-39-5	Indeno(1,2,3-cd)pyrene	100	UD
53-70-3	Dibenz(a,h)anthracene	100	UD

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW106-GWDL

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-08DL

Sample wt/vol: 960.0 (g/mL) mL Lab File ID: BA020521.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
191-24-2	Benzo(g,h,i)perylene	100	UD

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-MW106-GWDL

Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-08DL

Sample wt/vol: 960.00 (g/mL) ml Lab File ID: BA020521.D

Level (low/med): LOW Date Received: 8/10/2005

% Moisture: 0 decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: _____

Number TICS found: 0 Concentration Units: ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-DUP

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-09

Sample wt/vol: 970.0 (g/mL) mL Lab File ID: BA020380.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	310	E
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-DUP

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-09

Sample wt/vol: 970.0 (g/mL) mL Lab File ID: BA020380.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	21	U
100-02-7	4-Nitrophenol	21	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	21	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	21	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.1	JB
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-DUP

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-09

Sample wt/vol: 970.0 (g/mL) mL Lab File ID: BA020380.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		Q
191-24-2	Benzo(g,h,i)perylene	10	U

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-XX-DUP

Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-09

Sample wt/vol: 970.00 (g/mL) ml Lab File ID: BA020380.D

Level (low/med): LOW Date Received: 8/10/2005

% Moisture: 0 decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICS found: 3 Concentration Units: ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	2.32	16	J
	ACP4.83	4.83	6.0	A
	Unknown10.87	10.97	140	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-DUPDL

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-09DL

Sample wt/vol: 970.0 (g/mL) mL Lab File ID: BA020522.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
100-52-7	Benzaldehyde	100	UD
108-95-2	Phenol	100	UD
111-44-4	bis(2-Chloroethyl)ether	100	UD
95-57-8	2-Chlorophenol	100	UD
95-48-7	2-Methylphenol	100	UD
108-60-1	2,2-oxybis(1-Chloropropane)	100	UD
98-86-2	Acetophenone	100	UD
106-44-5	3+4-Methylphenols	100	UD
621-64-7	N-Nitroso-di-n-propylamine	100	UD
67-72-1	Hexachloroethane	100	UD
98-95-3	Nitrobenzene	100	UD
78-59-1	Isophorone	100	UD
88-75-5	2-Nitrophenol	100	UD
105-67-9	2,4-Dimethylphenol	100	UD
111-91-1	bis(2-Chloroethoxy)methane	100	UD
120-83-2	2,4-Dichlorophenol	100	UD
91-20-3	Naphthalene	100	UD
106-47-8	4-Chloroaniline	100	UD
87-68-3	Hexachlorobutadiene	100	UD
105-60-2	Caprolactam	320	D
59-50-7	4-Chloro-3-methylphenol	100	UD
91-57-6	2-Methylnaphthalene	100	UD
77-47-4	Hexachlorocyclopentadiene	100	UD
88-06-2	2,4,6-Trichlorophenol	100	UD
95-95-4	2,4,5-Trichlorophenol	100	UD
92-52-4	1,1-Biphenyl	100	UD
91-58-7	2-Chloronaphthalene	100	UD
88-74-4	2-Nitroaniline	100	UD
131-11-3	Dimethylphthalate	100	UD
208-96-8	Acenaphthylene	100	UD
606-20-2	2,6-Dinitrotoluene	100	UD
99-09-2	3-Nitroaniline	100	UD

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-DUPDL

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-09DL

Sample wt/vol: 970.0 (g/mL) mL Lab File ID: BA020522.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
83-32-9	Acenaphthene	100	UD
51-28-5	2,4-Dinitrophenol	210	UD
100-02-7	4-Nitrophenol	210	UD
132-64-9	Dibenzofuran	100	UD
121-14-2	2,4-Dinitrotoluene	100	UD
84-66-2	Diethylphthalate	100	UD
7005-72-3	4-Chlorophenyl-phenylether	100	UD
86-73-7	Fluorene	100	UD
100-01-6	4-Nitroaniline	100	UD
534-52-1	4,6-Dinitro-2-methylphenol	210	UD
86-30-6	N-Nitrosodiphenylamine	100	UD
101-55-3	4-Bromophenyl-phenylether	100	UD
118-74-1	Hexachlorobenzene	100	UD
1912-24-9	Atrazine	100	UD
87-86-5	Pentachlorophenol	210	UD
85-01-8	Phenanthrene	100	UD
120-12-7	Anthracene	100	UD
86-74-8	Carbazole	100	UD
84-74-2	Di-n-butylphthalate	100	UD
206-44-0	Fluoranthene	100	UD
129-00-0	Pyrene	100	UD
85-68-7	Butylbenzylphthalate	100	UD
91-94-1	3,3-Dichlorobenzidine	210	UD
56-55-3	Benzo(a)anthracene	100	UD
218-01-9	Chrysene	100	UD
117-81-7	bis(2-Ethylhexyl)phthalate	100	UD
117-84-0	Di-n-octyl phthalate	100	UD
205-99-2	Benzo(b)fluoranthene	100	UD
207-08-9	Benzo(k)fluoranthene	100	UD
50-32-8	Benzo(a)pyrene	100	UD
193-39-5	Indeno(1,2,3-cd)pyrene	100	UD
53-70-3	Dibenz(a,h)anthracene	100	UD

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-DUPDL

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-09DL

Sample wt/vol: 970.0 (g/mL) mL Lab File ID: BA020522.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
191-24-2	Benzo(g,h,i)perylene	100	UD

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-XX-DUPDL

Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-09DL

Sample wt/vol: 970.00 (g/mL) ml Lab File ID: BA020522.D

Level (low/med): LOW Date Received: 8/10/2005

% Moisture: 0 decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/22/2005

Injection Volume: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Number TICS found: 0 Concentration Units: ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW104-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-16

Sample wt/vol: 960.0 (g/mL) mL Lab File ID: BA020381.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	2.7	J
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW104-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-16

Sample wt/vol: 960.0 (g/mL) mL Lab File ID: BA020381.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	21	U
100-02-7	4-Nitrophenol	21	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	21	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	21	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	1.2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	2.7	JB
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW104-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-16

Sample wt/vol: 960.0 (g/mL) mL Lab File ID: BA020381.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
191-24-2	Benzo(g,h,i)perylene	10	U

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-MW104-GW

Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-16

Sample wt/vol: 960.00 (g/mL) ml Lab File ID: BA020381.D

Level (low/med): LOW Date Received: 8/10/2005

% Moisture: 0 decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICS found: 2 Concentration Units: ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	2.32	20	J
	ACP4.83	4.83	7.8	A

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW111-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-19

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020384.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	31	
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW111-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-19

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020384.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	2.8	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	2.4	JB
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW111-GW

Lab Name: Chemtech Consulting Group Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-19

Sample wt/vol: 980.0 (g/mL) mL Lab File ID: BA020384.D

Level: (low/med) Date Received: 8/10/2005

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
191-24-2	Benzo(g,h,i)perylene	10	U

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GR-MW111-GW

Contract: STAN02

Lab Code: CHEM Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-19

Sample wt/vol: 980.00 (g/mL) ml Lab File ID: BA020384.D

Level (low/med): LOW Date Received: 8/10/2005

% Moisture: 0 decanted: (Y/N) N Date Extracted: 8/11/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/17/2005

Injection Volume: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICS found: 4 Concentration Units: ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	2.33	19	J
	ACP4.83	4.84	7.8	A
	Unknown10.86	10.86	16	J
7683-64-9	Squalene	23.92	2.3	J

Hit Summary Report

SDG No.: T4138 Order ID: T4138

Client: Stantec Project ID: Gregory St

Test: SVOC-TCL BNA4.3 -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-MW104-GW							
T4138-16	GR-MW104-GW	WATER	Caprolactam	2.7	J	10	0.680	ug/L
T4138-16	GR-MW104-GW	WATER	Di-n-butylphthalate	1.2	J	10	7.8	ug/L
T4138-16	GR-MW104-GW	WATER	bis(2-Ethylhexyl)phthalate	2.7	JB	10	2.4	ug/L
T4138-16	GR-MW104-GW	WATER	Butane, 2-methoxy-2-methyl-	* 20	J	0	0	ug/L
T4138-16	GR-MW104-GW	WATER	ACP4.83	* 7.8	A	0	0	ug/L
			Total SVOC's:	6.60				
			Total TIC's:	27.80				
			Total SVOC's and TIC's:	34.40				
Client ID:	GR-MW106-GW							
T4138-08	GR-MW106-GW	WATER	Butylbenzylphthalate	2.0	J	10	0.390	ug/L
T4138-08	GR-MW106-GW	WATER	bis(2-Ethylhexyl)phthalate	5.6	JB	10	2.4	ug/L
T4138-08	GR-MW106-GW	WATER	Butane, 2-methoxy-2-methyl-	* 26	J	0	0	ug/L
T4138-08	GR-MW106-GW	WATER	ACP4.83	* 7.6	A	0	0	ug/L
T4138-08	GR-MW106-GW	WATER	Unknown10.98	* 170	J	10	0.680	ug/L
T4138-08	GR-MW106-GW	WATER	Heptacosane, 1-chloro-	* 5.3	J	0	0	ug/L
T4138-08	GR-MW106-GW	WATER	Squalene	* 14	J	0	0	ug/L
T4138-08	GR-MW106-GW	WATER	1-Hexadecanesulfonyl chlori	* 5.2	J	0	0	ug/L
			Total SVOC's:	7.60				
			Total TIC's:	228.10				
			Total SVOC's and TIC's:	235.70				
Client ID:	GR-MW106-GWDL							
T4138-08DL	GR-MW106-GWDL	WATER	Caprolactam	380	D	100	6.8	ug/L
			Total SVOC's:	380.00				
			Total TIC's:	0.00				
			Total SVOC's and TIC's:	380.00				
Client ID:	GR-MW111-GW							
T4138-19	GR-MW111-GW	WATER	Caprolactam	31		10	0.660	ug/L
T4138-19	GR-MW111-GW	WATER	Di-n-butylphthalate	2.8	J	10	7.7	ug/L
T4138-19	GR-MW111-GW	WATER	bis(2-Ethylhexyl)phthalate	2.4	JB	10	2.3	ug/L
T4138-19	GR-MW111-GW	WATER	Butane, 2-methoxy-2-methyl-	* 19	J	0	0	ug/L
T4138-19	GR-MW111-GW	WATER	ACP4.83	* 7.8	A	0	0	ug/L
T4138-19	GR-MW111-GW	WATER	Unknown10.86	* 16	J	10	0.660	ug/L
T4138-19	GR-MW111-GW	WATER	Squalene	* 2.3	J	0	0	ug/L
			Total SVOC's:	36.20				
			Total TIC's:	45.10				
			Total SVOC's and TIC's:	81.30				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Hit Summary Report

SDG No.: T4138 Order ID: T4138

Client: Stantec Project ID: Gregory St

Test: SVOC-TCL BNA4.3 -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-MW216-GW							
T4138-06	GR-MW216-GW	WATER	Butane, 2-methoxy-2-methyl-	* 20	J	0	0	ug/L
T4138-06	GR-MW216-GW	WATER	ACP4.83	* 7.7	A	0	0	ug/L
T4138-06	GR-MW216-GW	WATER	Unknown10.97	* 150	J	10	0.660	ug/L
			Total SVOC's:	0.00				
			Total TIC's:	177.70				
			Total SVOC's and TIC's:	177.70				
Client ID:	GR-MW216-GWDL							
T4138-06DL	GR-MW216-GWDL	WATER	Caprolactam	320	D	100	6.6	ug/L
			Total SVOC's:	320.00				
			Total TIC's:	0.00				
			Total SVOC's and TIC's:	320.00				
Client ID:	GR-MW217-GW							
T4138-07	GR-MW217-GW	WATER	ACP4.79	* 7.7	A	0	0	ug/L
			Total SVOC's:	0.00				
			Total TIC's:	7.70				
			Total SVOC's and TIC's:	7.70				
Client ID:	GR-MW217-GWDL							
T4138-07DL	GR-MW217-GWDL	WATER	Caprolactam	260	D	100	6.6	ug/L
			Total SVOC's:	260.00				
			Total TIC's:	0.00				
			Total SVOC's and TIC's:	260.00				
Client ID:	GR-XX-DUP							
T4138-09	GR-XX-DUP	WATER	bis(2-Ethylhexyl)phthalate	1.1	JB	10	2.4	ug/L
T4138-09	GR-XX-DUP	WATER	Butane, 2-methoxy-2-methyl-	* 16	J	0	0	ug/L
T4138-09	GR-XX-DUP	WATER	ACP4.83	* 6.0	A	0	0	ug/L
T4138-09	GR-XX-DUP	WATER	Unknown10.97	* 140	J	10	0.670	ug/L
			Total SVOC's:	1.10				
			Total TIC's:	162.00				
			Total SVOC's and TIC's:	163.10				
Client ID:	GR-XX-DUPDL							
T4138-09DL	GR-XX-DUPDL	WATER	Caprolactam	320	D	100	6.7	ug/L
			Total SVOC's:	320.00				
			Total TIC's:	0.00				
			Total SVOC's and TIC's:	320.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GR-MW216-GW

Lab Name: Chemtech Contract: Stantec

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-06

Sample wt/vol: 980 (g/mL) mL Lab File ID: 4PC5235.D

% Moisture: Decanted: (Y/N) N Date Received: 8/10/05

Extraction: (Type) CONT Date Extracted: 8/11/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 8/17/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GR-MW217-GW

Lab Name: Chemtech Contract: Stantec

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-07

Sample wt/vol: 970 (g/mL) mL Lab File ID: 4PC5237.D

% Moisture: Decanted: (Y/N) N Date Received: 8/10/05

Extraction: (Type) CONT Date Extracted: 8/11/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 8/17/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.1	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GR-MW104-GW

Lab Name: Chemtech Contract: Stantec

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-16

Sample wt/vol: 960 (g/mL) mL Lab File ID: 4PC5239.D

% Moisture: Decanted: (Y/N) N Date Received: 8/10/05

Extraction: (Type) CONT Date Extracted: 8/11/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 8/17/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/L	Q
12674-11-2	Aroclor-1016		1.0	U
11104-28-2	Aroclor-1221		2.1	U
11141-16-5	Aroclor-1232		1.0	U
53469-21-9	Aroclor-1242		1.0	U
12672-29-6	Aroclor-1248		1.0	U
11097-69-1	Aroclor-1254		1.0	U
11096-82-5	Aroclor-1260		1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GR-MW111-GW

Lab Name: Chemtech Contract: Stantec

Lab Code: CTECH Case No.: T4138 SAS No.: T4138 SDG No.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-19

Sample wt/vol: 980 (g/mL) mL Lab File ID: 4PC5243.D

% Moisture: Decanted: (Y/N) N Date Received: 8/10/05

Extraction: (Type) CONT Date Extracted: 8/11/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 8/17/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

TABULATED ANALYTICAL REPORT
QUALITATIVE GC FINGERPRINT DOH 310.13

CLIENT:	Stantec
CLIENT PROJECT :	Gregory St
REPORT DATE	08/17/05
PROJECT RECEIVED DATE :	08/10/05
ANALYSIS DATE	08/13/05
EXT. DATE:	08/11/05
MATRIX:	WATER
LAB PROJECT:	T4138-02

CLIENT ID	FILE ID	LAB ID	FUEL TYPE
GR-MW101-LNAPL	5043.D	T4138-02	M

COMMENTS:

FT: FUEL TYPE
MDL= METHOD DETECTION LIMIT
A=GASOLINE
B= KERSOENE WITH SOME UNKNOWN FUEL OIL
C= #2 FUEL OIL
D= #4 FUEL OIL
E= NO CALIBRATED FUEL TYPE DETECTED
F=KEROSENE
G= #5 FUEL OIL
H= #6 FUEL OIL
P= CLIENT KNOWN FUEL PRODUCT
KW KEROSENE WEATHERED
PI= PAINT THINNER
MS= MINERAL SPIRITS

< = LESS THAN
J= 20 W LUBRICATING OIL
K= 30 W LUBRICATING OIL
L= 40 W LUBRICATING OIL
M= 50 W LUBRICATING OIL
CW= #2 FUEL OIL WEATHERED
DW= #4 FUEL OIL WEATHERED
GW= #5 FUEL OIL WEATHERED
HW= #6 FUEL OIL, WEATHERED
ND = NOT DETECTED (CONC)
CS = CLIENT STANDARD
N = JET FUEL STANDARD
S= DIESEL
CT=COAL TAR

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW216-GW

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMEDXB Case No.: T4138 NRAS No.: T4138 SDG NO.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-06

Level (low/med): LOW Date Received: 08/10/2005

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28700		*	P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	11.1			P
7440-39-3	Barium	543		N	P
7440-41-7	Beryllium	1.4	J		P
7440-43-9	Cadmium	1.5	J		P
7440-70-2	Calcium	514000		*D	P
7440-47-3	Chromium	50.0			P
7440-48-4	Cobalt	23.7	J		P
7440-50-8	Copper	80.0			P
7439-89-6	Iron	46600		*	P
7439-92-1	Lead	70.9		N*	P
7439-95-4	Magnesium	122000		*	P
7439-96-5	Manganese	2660		*	P
7439-97-6	Mercury	0.200	U		CV
7440-02-0	Nickel	56.5			P
7440-09-7	Potassium	14900		E	P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	7120		*	P
7440-28-0	Thallium	25.0	U	N	P
7440-62-2	Vanadium	47.5	J		P
7440-66-6	Zinc	731		*	P

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW217-GW

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMEDXB Case No.: T4138 NRAS No.: T4138 SDG NO.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-07

Level (low/med): LOW Date Received: 08/10/2005

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12300		*	P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	9.5	J		P
7440-39-3	Barium	720		N	P
7440-41-7	Beryllium	0.69	J		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	287000		*	P
7440-47-3	Chromium	24.7			P
7440-48-4	Cobalt	15.5	J		P
7440-50-8	Copper	55.2			P
7439-89-6	Iron	25900		*	P
7439-92-1	Lead	31.9		N*	P
7439-95-4	Magnesium	73600		*	P
7439-96-5	Manganese	1750		*	P
7439-97-6	Mercury	0.200	U		CV
7440-02-0	Nickel	29.8	J		P
7440-09-7	Potassium	14700		E	P
7782-49-2	Selenium	31.9	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	85800		*	P
7440-28-0	Thallium	25.0	U	N	P
7440-62-2	Vanadium	22.5	J		P
7440-66-6	Zinc	151		*	P

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW106-GW

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMEDXB Case No.: T4138 NRAS No.: T4138 SDG NO.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-08

Level (low/med): LOW Date Received: 08/10/2005

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15000		*	P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	25.6			P
7440-39-3	Barium	404		N	P
7440-41-7	Beryllium	0.88	J		P
7440-43-9	Cadmium	3.2	J		P
7440-70-2	Calcium	182000		*	P
7440-47-3	Chromium	34.5			P
7440-48-4	Cobalt	26.3	J		P
7440-50-8	Copper	88.6			P
7439-89-6	Iron	35900		*	P
7439-92-1	Lead	66.6		N*	P
7439-95-4	Magnesium	51000		*	P
7439-96-5	Manganese	1200		*	P
7439-97-6	Mercury	0.200	U		CV
7440-02-0	Nickel	53.9			P
7440-09-7	Potassium	18400		E	P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	7540		*	P
7440-28-0	Thallium	25.0	U	N	P
7440-62-2	Vanadium	27.6	J		P
7440-66-6	Zinc	316		*	P

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-XX-DUP

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMEDXB Case No.: T4138 NRAS No.: T4138 SDG NO.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-09

Level (low/med): LOW Date Received: 08/10/2005

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11500		*	P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	13.3			P
7440-39-3	Barium	714		N	P
7440-41-7	Beryllium	0.69	J		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	275000		*	P
7440-47-3	Chromium	22.5			P
7440-48-4	Cobalt	14.3	J		P
7440-50-8	Copper	52.4			P
7439-89-6	Iron	24600		*	P
7439-92-1	Lead	31.7		N*	P
7439-95-4	Magnesium	72500		*	P
7439-96-5	Manganese	1650		*	P
7439-97-6	Mercury	0.200	U		CV
7440-02-0	Nickel	29.5	J		P
7440-09-7	Potassium	14500		E	P
7782-49-2	Selenium	29.8	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	86700		*	P
7440-28-0	Thallium	25.0	U	N	P
7440-62-2	Vanadium	21.7	J		P
7440-66-6	Zinc	147		*	P

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW104-GW

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMEDXB Case No.: T4138 NRAS No.: T4138 SDG NO.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-16

Level (low/med): LOW Date Received: 08/10/2005

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12100		*	P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	8.1	J		P
7440-39-3	Barium	399		N	P
7440-41-7	Beryllium	0.56	J		P
7440-43-9	Cadmium	4.0	J	---	P
7440-70-2	Calcium	229000		*	P
7440-47-3	Chromium	17.0			P
7440-48-4	Cobalt	38.2	J		P
7440-50-8	Copper	61.3			P
7439-89-6	Iron	20300		*	P
7439-92-1	Lead	50.7		N*	P
7439-95-4	Magnesium	67300		*	P
7439-96-5	Manganese	7230		*	P
7439-97-6	Mercury	0.200	U		CV
7440-02-0	Nickel	77.9			P
7440-09-7	Potassium	8930		E	P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	27900		*	P
7440-28-0	Thallium	25.0	U	N	P
7440-62-2	Vanadium	19.5	J		P
7440-66-6	Zinc	385		*	P

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW111-GW

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMEDXB Case No.: T4138 NRAS No.: T4138 SDG NO.: T4138

Matrix (soil/water): WATER Lab Sample ID: T4138-19

Level (low/med): LOW Date Received: 08/10/2005

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21900		*	P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	19.1			P
7440-39-3	Barium	412		N	P
7440-41-7	Beryllium	1.1	J		P
7440-43-9	Cadmium	2.7	J		P
7440-70-2	Calcium	484000		*D	P
7440-47-3	Chromium	33.0			P
7440-48-4	Cobalt	28.1	J		P
7440-50-8	Copper	76.3			P
7439-89-6	Iron	42600		*	P
7439-92-1	Lead	49.0		N*	P
7439-95-4	Magnesium	114000		*	P
7439-96-5	Manganese	6280		*	P
7439-97-6	Mercury	0.200	U		CV
7440-02-0	Nickel	75.0			P
7440-09-7	Potassium	15400		E	P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	8820		*	P
7440-28-0	Thallium	25.0	U	N	P
7440-62-2	Vanadium	40.0	J		P
7440-66-6	Zinc	371		*	P

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Hit Summary Sheet
SW-846

SDG No.: T4138 **Order ID:** T4138

Client: Stantec **Project ID:** Gregory St

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**GR-MW104-GW**							
T4138-16	GR-MW104-GW	WATER	Aluminum	12100		200	14.0	ug/L
T4138-16	GR-MW104-GW	WATER	Arsenic	8.1	J	10.0	1.0	ug/L
T4138-16	GR-MW104-GW	WATER	Barium	399		200	7.4	ug/L
T4138-16	GR-MW104-GW	WATER	Beryllium	0.56	J	5.0	0.49	ug/L
T4138-16	GR-MW104-GW	WATER	Cadmium	4.0	J	5.0	0.57	ug/L
T4138-16	GR-MW104-GW	WATER	Calcium	229000		5000	6.1	ug/L
T4138-16	GR-MW104-GW	WATER	Chromium	17.0		10.0	1.1	ug/L
T4138-16	GR-MW104-GW	WATER	Cobalt	38.2	J	50.0	2.1	ug/L
T4138-16	GR-MW104-GW	WATER	Copper	61.3		25.0	2.5	ug/L
T4138-16	GR-MW104-GW	WATER	Iron	20300		100	15.4	ug/L
T4138-16	GR-MW104-GW	WATER	Lead	50.7		10.0	3.7	ug/L
T4138-16	GR-MW104-GW	WATER	Magnesium	67300		5000	13.9	ug/L
T4138-16	GR-MW104-GW	WATER	Manganese	7230		15.0	0.46	ug/L
T4138-16	GR-MW104-GW	WATER	Nickel	77.9		40.0	2.9	ug/L
T4138-16	GR-MW104-GW	WATER	Potassium	8930		5000	52.2	ug/L
T4138-16	GR-MW104-GW	WATER	Sodium	27900		5000	706	ug/L
T4138-16	GR-MW104-GW	WATER	Vanadium	19.5	J	50.0	0.85	ug/L
T4138-16	GR-MW104-GW	WATER	Zinc	385		60.0	0.59	ug/L
Client ID:	**GR-MW106-GW**							
T4138-08	GR-MW106-GW	WATER	Aluminum	15000		200	14.0	ug/L
T4138-08	GR-MW106-GW	WATER	Arsenic	25.6		10.0	1.0	ug/L
T4138-08	GR-MW106-GW	WATER	Barium	404		200	7.4	ug/L
T4138-08	GR-MW106-GW	WATER	Beryllium	0.88	J	5.0	0.49	ug/L
T4138-08	GR-MW106-GW	WATER	Cadmium	3.2	J	5.0	0.57	ug/L
T4138-08	GR-MW106-GW	WATER	Calcium	182000		5000	6.1	ug/L
T4138-08	GR-MW106-GW	WATER	Chromium	34.5		10.0	1.1	ug/L
T4138-08	GR-MW106-GW	WATER	Cobalt	26.3	J	50.0	2.1	ug/L
T4138-08	GR-MW106-GW	WATER	Copper	88.6		25.0	2.5	ug/L
T4138-08	GR-MW106-GW	WATER	Iron	35900		100	15.4	ug/L
T4138-08	GR-MW106-GW	WATER	Lead	66.6		10.0	3.7	ug/L
T4138-08	GR-MW106-GW	WATER	Magnesium	51000		5000	13.9	ug/L
T4138-08	GR-MW106-GW	WATER	Manganese	1200		15.0	0.46	ug/L
T4138-08	GR-MW106-GW	WATER	Nickel	53.9		40.0	2.9	ug/L
T4138-08	GR-MW106-GW	WATER	Potassium	18400		5000	52.2	ug/L
T4138-08	GR-MW106-GW	WATER	Sodium	7540		5000	706	ug/L
T4138-08	GR-MW106-GW	WATER	Vanadium	27.6	J	50.0	0.85	ug/L
T4138-08	GR-MW106-GW	WATER	Zinc	316		60.0	0.59	ug/L

Hit Summary Sheet
SW-846

SDG No.: T4138 **Order ID:** T4138

Client: Stantec **Project ID:** Gregory St

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**GR-MW111-GW**							
T4138-19	GR-MW111-GW	WATER	Aluminum	21900		200	14.0	ug/L
T4138-19	GR-MW111-GW	WATER	Arsenic	19.1		10.0	1.0	ug/L
T4138-19	GR-MW111-GW	WATER	Barium	412		200	7.4	ug/L
T4138-19	GR-MW111-GW	WATER	Beryllium	1.1	J	5.0	0.49	ug/L
T4138-19	GR-MW111-GW	WATER	Cadmium	2.7	J	5.0	0.57	ug/L
T4138-19DL	GR-MW111-GW	WATER	Calcium	484000		50000	61.0	ug/L
T4138-19	GR-MW111-GW	WATER	Chromium	33.0		10.0	1.1	ug/L
T4138-19	GR-MW111-GW	WATER	Cobalt	28.1	J	50.0	2.1	ug/L
T4138-19	GR-MW111-GW	WATER	Copper	76.3		25.0	2.5	ug/L
T4138-19	GR-MW111-GW	WATER	Iron	42600		100	15.4	ug/L
T4138-19	GR-MW111-GW	WATER	Lead	49.0		10.0	3.7	ug/L
T4138-19	GR-MW111-GW	WATER	Magnesium	114000		5000	13.9	ug/L
T4138-19	GR-MW111-GW	WATER	Manganese	6280		15.0	0.46	ug/L
T4138-19	GR-MW111-GW	WATER	Nickel	75.0		40.0	2.9	ug/L
T4138-19	GR-MW111-GW	WATER	Potassium	15400		5000	52.2	ug/L
T4138-19	GR-MW111-GW	WATER	Sodium	8820		5000	706	ug/L
T4138-19	GR-MW111-GW	WATER	Vanadium	40.0	J	50.0	0.85	ug/L
T4138-19	GR-MW111-GW	WATER	Zinc	371		60.0	0.59	ug/L
Client ID:	**GR-MW216-GW**							
T4138-06	GR-MW216-GW	WATER	Aluminum	28700		200	14.0	ug/L
T4138-06	GR-MW216-GW	WATER	Arsenic	11.1		10.0	1.0	ug/L
T4138-06	GR-MW216-GW	WATER	Barium	543		200	7.4	ug/L
T4138-06	GR-MW216-GW	WATER	Beryllium	1.4	J	5.0	0.49	ug/L
T4138-06	GR-MW216-GW	WATER	Cadmium	1.5	J	5.0	0.57	ug/L
T4138-06DL	GR-MW216-GW	WATER	Calcium	514000		20000	24.4	ug/L
T4138-06	GR-MW216-GW	WATER	Chromium	50.0		10.0	1.1	ug/L
T4138-06	GR-MW216-GW	WATER	Cobalt	23.7	J	50.0	2.1	ug/L
T4138-06	GR-MW216-GW	WATER	Copper	80.0		25.0	2.5	ug/L
T4138-06	GR-MW216-GW	WATER	Iron	46600		100	15.4	ug/L
T4138-06	GR-MW216-GW	WATER	Lead	70.9		10.0	3.7	ug/L
T4138-06	GR-MW216-GW	WATER	Magnesium	122000		5000	13.9	ug/L
T4138-06	GR-MW216-GW	WATER	Manganese	2660		15.0	0.46	ug/L
T4138-06	GR-MW216-GW	WATER	Nickel	56.5		40.0	2.9	ug/L
T4138-06	GR-MW216-GW	WATER	Potassium	14900		5000	52.2	ug/L
T4138-06	GR-MW216-GW	WATER	Sodium	7120		5000	706	ug/L
T4138-06	GR-MW216-GW	WATER	Vanadium	47.5	J	50.0	0.85	ug/L
T4138-06	GR-MW216-GW	WATER	Zinc	731		60.0	0.59	ug/L

Hit Summary Sheet
SW-846

SDG No.: T4138 **Order ID:** T4138

Client: Stantec **Project ID:** Gregory St

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**GR-MW217-GW**							
T4138-07	GR-MW217-GW	WATER	Aluminum	12300		200	14.0	ug/L
T4138-07	GR-MW217-GW	WATER	Arsenic	9.5	J	10.0	1.0	ug/L
T4138-07	GR-MW217-GW	WATER	Barium	720		200	7.4	ug/L
T4138-07	GR-MW217-GW	WATER	Beryllium	0.69	J	5.0	0.49	ug/L
T4138-07	GR-MW217-GW	WATER	Calcium	287000		5000	6.1	ug/L
T4138-07	GR-MW217-GW	WATER	Chromium	24.7		10.0	1.1	ug/L
T4138-07	GR-MW217-GW	WATER	Cobalt	15.5	J	50.0	2.1	ug/L
T4138-07	GR-MW217-GW	WATER	Copper	55.2		25.0	2.5	ug/L
T4138-07	GR-MW217-GW	WATER	Iron	25900		100	15.4	ug/L
T4138-07	GR-MW217-GW	WATER	Lead	31.9		10.0	3.7	ug/L
T4138-07	GR-MW217-GW	WATER	Magnesium	73600		5000	13.9	ug/L
T4138-07	GR-MW217-GW	WATER	Manganese	1750		15.0	0.46	ug/L
T4138-07	GR-MW217-GW	WATER	Nickel	29.8	J	40.0	2.9	ug/L
T4138-07	GR-MW217-GW	WATER	Potassium	14700		5000	52.2	ug/L
T4138-07	GR-MW217-GW	WATER	Selenium	31.9	J	35.0	4.2	ug/L
T4138-07	GR-MW217-GW	WATER	Sodium	85800		5000	706	ug/L
T4138-07	GR-MW217-GW	WATER	Vanadium	22.5	J	50.0	0.85	ug/L
T4138-07	GR-MW217-GW	WATER	Zinc	151		60.0	0.59	ug/L
Client ID:	**GR-XX-DUP**							
T4138-09	GR-XX-DUP	WATER	Aluminum	11500		200	14.0	ug/L
T4138-09	GR-XX-DUP	WATER	Arsenic	13.3		10.0	1.0	ug/L
T4138-09	GR-XX-DUP	WATER	Barium	714		200	7.4	ug/L
T4138-09	GR-XX-DUP	WATER	Beryllium	0.69	J	5.0	0.49	ug/L
T4138-09	GR-XX-DUP	WATER	Calcium	275000		5000	6.1	ug/L
T4138-09	GR-XX-DUP	WATER	Chromium	22.5		10.0	1.1	ug/L
T4138-09	GR-XX-DUP	WATER	Cobalt	14.3	J	50.0	2.1	ug/L
T4138-09	GR-XX-DUP	WATER	Copper	52.4		25.0	2.5	ug/L
T4138-09	GR-XX-DUP	WATER	Iron	24600		100	15.4	ug/L
T4138-09	GR-XX-DUP	WATER	Lead	31.7		10.0	3.7	ug/L
T4138-09	GR-XX-DUP	WATER	Magnesium	72500		5000	13.9	ug/L
T4138-09	GR-XX-DUP	WATER	Manganese	1650		15.0	0.46	ug/L
T4138-09	GR-XX-DUP	WATER	Nickel	29.5	J	40.0	2.9	ug/L
T4138-09	GR-XX-DUP	WATER	Potassium	14500		5000	52.2	ug/L
T4138-09	GR-XX-DUP	WATER	Selenium	29.8	J	35.0	4.2	ug/L
T4138-09	GR-XX-DUP	WATER	Sodium	86700		5000	706	ug/L
T4138-09	GR-XX-DUP	WATER	Vanadium	21.7	J	50.0	0.85	ug/L
T4138-09	GR-XX-DUP	WATER	Zinc	147		60.0	0.59	ug/L

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ANALYTICAL RESULTS SUMMARY

PROJECT NAME: Gregory St

STANTEC
2250 BRIGHTON-HENRIETTA TOWN LINE ROAD
ROCHESTER, NY 14623-2674
5854751440

CHEMTECH PROJECT NO. **T5588**
ATTENTION: **Pete Smith**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Stantec**	**Date Collected:**	**11/4/2005**
Project:	**Gregory St**	**Date Received:**	**11/5/2005**
Client Sample ID:	**GR-MW208-GW**	**SDG No.:**	**T5588**
Lab Sample ID:	**T5588-01**	**Matrix:**	**WATER**
Analytical Method:	**8260-Low**	**% Moisture:**	**100**
Sample Wt/Wol:	**25.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000126.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.12	U	1.0	0.12	ug/L
74-87-3	Chloromethane	0.08	U	1.0	0.08	ug/L
75-01-4	Vinyl chloride	0.09	U	1.0	0.09	ug/L
74-83-9	Bromomethane	0.18	U	1.0	0.18	ug/L
75-00-3	Chloroethane	0.46	U	1.0	0.46	ug/L
75-69-4	Trichlorofluoromethane	0.10	U	1.0	0.10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.13	U	1.0	0.13	ug/L
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L
67-64-1	Acetone	1.6	U	5.0	1.6	ug/L
75-15-0	Carbon disulfide	0.11	U	1.0	0.11	ug/L
1634-04-4	Methyl tert-butyl Ether	0.22	U	1.0	0.22	ug/L
79-20-9	Methyl Acetate	0.16	U	1.0	0.16	ug/L
75-09-2	Methylene Chloride	0.42	U	1.0	0.42	ug/L
156-60-5	trans-1,2-Dichloroethene	0.10	U	1.0	0.10	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L
110-82-7	Cyclohexane	0.15	U	1.0	0.15	ug/L
78-93-3	2-Butanone	0.23	U	5.0	0.23	ug/L
56-23-5	Carbon Tetrachloride	0.16	U	1.0	0.16	ug/L
156-59-2	cis-1,2-Dichloroethene	0.09	U	1.0	0.09	ug/L
67-66-3	Chloroform	0.16	U	1.0	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14	ug/L
71-43-2	Benzene	0.15	U	1.0	0.15	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L
79-01-6	Trichloroethene	0.12	U	1.0	0.12	ug/L
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L
75-27-4	Bromodichloromethane	0.14	U	1.0	0.14	ug/L
108-10-1	4-Methyl-2-Pentanone	0.46	U	5.0	0.46	ug/L
108-88-3	Toluene	0.11	U	1.0	0.11	ug/L
10061-02-6	t-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.12	U	1.0	0.12	ug/L
79-00-5	1,1,2-Trichloroethane	0.11	U	1.0	0.11	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Stantec**	**Date Collected:**	**11/4/2005**
Project:	**Gregory St**	**Date Received:**	**11/5/2005**
Client Sample ID:	**GR-MW208-GW**	**SDG No.:**	**T5588**
Lab Sample ID:	**T5588-01**	**Matrix:**	**WATER**
Analytical Method:	**8260-Low**	**% Moisture:**	**100**
Sample Wt/Vol:	**25.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000126.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	0.57	U	5.0	0.57	ug/L
124-48-1	Dibromochloromethane	0.13	U	1.0	0.13	ug/L
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12	ug/L
108-90-7	Chlorobenzene	0.11	U	1.0	0.11	ug/L
100-41-4	Ethyl Benzene	0.11	U	1.0	0.11	ug/L
126777-61-2	m&p-Xylenes	0.24	U	1.0	0.24	ug/L
95-47-6	o-Xylene	0.13	U	1.0	0.13	ug/L
100-42-5	Styrene	0.11	U	1.0	0.11	ug/L
75-25-2	Bromoform	0.09	U	1.0	0.09	ug/L
98-82-8	Isopropylbenzene	0.12	U	1.0	0.12	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.09	U	1.0	0.09	ug/L
541-73-1	1,3-Dichlorobenzene	0.10	U	1.0	0.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.12	U	1.0	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.08	U	1.0	0.08	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.20	U	1.0	0.20	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.08	U	1.0	0.08	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	11.64	116 %	72 - 119		SPK: 10
1868-53-7	Dibromofluoromethane	10.81	108 %	85 - 115		SPK: 10
2037-26-5	Toluene-d8	10.21	102 %	81 - 120		SPK: 10
460-00-4	4-Bromofluorobenzene	11.09	111 %	76 - 119		SPK: 10
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	450932	3.81			
540-36-3	1,4-Difluorobenzene	726925	4.25			
3114-55-4	Chlorobenzene-d5	871058	7.30			
3855-82-1	1,4-Dichlorobenzene-d4	515120	9.58			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Stantec	**Date Collected:**	11/4/2005
Project:	Gregory St	**Date Received:**	11/5/2005
Client Sample ID:	GR-MW209-GW	**SDG No.:**	T5588
Lab Sample ID:	T5588-02	**Matrix:**	WATER
Analytical Method:	8260-Low	**% Moisture:**	100
Sample Wt/Wol:	25.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000127.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.12	U	1.0	0.12	ug/L
74-87-3	Chloromethane	0.08	U	1.0	0.08	ug/L
75-01-4	Vinyl chloride	0.09	U	1.0	0.09	ug/L
74-83-9	Bromomethane	0.18	U	1.0	0.18	ug/L
75-00-3	Chloroethane	0.46	U	1.0	0.46	ug/L
75-69-4	Trichlorofluoromethane	0.10	U	1.0	0.10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.13	U	1.0	0.13	ug/L
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L
67-64-1	Acetone	1.6	U	5.0	1.6	ug/L
75-15-0	Carbon disulfide	0.11	U	1.0	0.11	ug/L
1634-04-4	Methyl tert-butyl Ether	0.22	U	1.0	0.22	ug/L
79-20-9	Methyl Acetate	0.16	U	1.0	0.16	ug/L
75-09-2	Methylene Chloride	0.42	U	1.0	0.42	ug/L
156-60-5	trans-1,2-Dichloroethene	0.10	U	1.0	0.10	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L
110-82-7	Cyclohexane	0.15	U	1.0	0.15	ug/L
78-93-3	2-Butanone	0.23	U	5.0	0.23	ug/L
56-23-5	Carbon Tetrachloride	0.16	U	1.0	0.16	ug/L
156-59-2	cis-1,2-Dichloroethene	0.09	U	1.0	0.09	ug/L
67-66-3	Chloroform	0.16	U	1.0	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14	ug/L
71-43-2	Benzene	0.15	U	1.0	0.15	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L
79-01-6	Trichloroethene	0.12	U	1.0	0.12	ug/L
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L
75-27-4	Bromodichloromethane	0.14	U	1.0	0.14	ug/L
108-10-1	4-Methyl-2-Pentanone	0.46	U	5.0	0.46	ug/L
108-88-3	Toluene	0.11	U	1.0	0.11	ug/L
10061-02-6	t-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.12	U	1.0	0.12	ug/L
79-00-5	1,1,2-Trichloroethane	0.11	U	1.0	0.11	ug/L

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N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**Stantec**	**Date Collected:**	**11/4/2005**
Project:	**Gregory St**	**Date Received:**	**11/5/2005**
Client Sample ID:	**GR-MW209-GW**	**SDG No.:**	**T5588**
Lab Sample ID:	**T5588-02**	**Matrix:**	**WATER**
Analytical Method:	**8260-Low**	**% Moisture:**	**100**
Sample Wt/Vol:	**25.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000127.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	0.57	U	5.0	0.57	ug/L
124-48-1	Dibromochloromethane	0.13	U	1.0	0.13	ug/L
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12	ug/L
108-90-7	Chlorobenzene	0.11	U	1.0	0.11	ug/L
100-41-4	Ethyl Benzene	0.11	U	1.0	0.11	ug/L
126777-61-2	m&p-Xylenes	0.24	U	1.0	0.24	ug/L
95-47-6	o-Xylene	0.13	U	1.0	0.13	ug/L
100-42-5	Styrene	0.11	U	1.0	0.11	ug/L
75-25-2	Bromoform	0.09	U	1.0	0.09	ug/L
98-82-8	Isopropylbenzene	0.12	U	1.0	0.12	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.09	U	1.0	0.09	ug/L
541-73-1	1,3-Dichlorobenzene	0.10	U	1.0	0.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.12	U	1.0	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.08	U	1.0	0.08	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.20	U	1.0	0.20	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.08	U	1.0	0.08	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	9.32	93 %	72 - 119		SPK: 10
1868-53-7	Dibromofluoromethane	10.24	102 %	85 - 115		SPK: 10
2037-26-5	Toluene-d8	10.29	103 %	81 - 120		SPK: 10
460-00-4	4-Bromofluorobenzene	10.39	104 %	76 - 119		SPK: 10
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	429934	3.81			
540-36-3	1,4-Difluorobenzene	700083	4.25			
3114-55-4	Chlorobenzene-d5	830902	7.30			
3855-82-1	1,4-Dichlorobenzene-d4	442607	9.58			

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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Stantec	**Date Collected:**	11/4/2005
Project:	Gregory St	**Date Received:**	11/5/2005
Client Sample ID:	GR-MW210-GW	**SDG No.:**	T5588
Lab Sample ID:	T5588-03	**Matrix:**	WATER
Analytical Method:	8260-Low	**% Moisture:**	100
Sample Wt/Vol:	25.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000128.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.12	U	1.0	0.12	ug/L
74-87-3	Chloromethane	0.08	U	1.0	0.08	ug/L
75-01-4	Vinyl chloride	0.09	U	1.0	0.09	ug/L
74-83-9	Bromomethane	0.18	U	1.0	0.18	ug/L
75-00-3	Chloroethane	0.46	U	1.0	0.46	ug/L
75-69-4	Trichlorofluoromethane	0.10	U	1.0	0.10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.13	U	1.0	0.13	ug/L
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L
67-64-1	Acetone	1.6	U	5.0	1.6	ug/L
75-15-0	Carbon disulfide	0.11	U	1.0	0.11	ug/L
1634-04-4	Methyl tert-butyl Ether	0.22	U	1.0	0.22	ug/L
79-20-9	Methyl Acetate	0.16	U	1.0	0.16	ug/L
75-09-2	Methylene Chloride	0.42	U	1.0	0.42	ug/L
156-60-5	trans-1,2-Dichloroethene	0.10	U	1.0	0.10	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L
110-82-7	Cyclohexane	0.15	U	1.0	0.15	ug/L
78-93-3	2-Butanone	0.23	U	5.0	0.23	ug/L
56-23-5	Carbon Tetrachloride	0.16	U	1.0	0.16	ug/L
156-59-2	cis-1,2-Dichloroethene	0.09	U	1.0	0.09	ug/L
67-66-3	Chloroform	0.16	U	1.0	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14	ug/L
71-43-2	Benzene	0.15	U	1.0	0.15	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L
79-01-6	Trichloroethene	0.12	U	1.0	0.12	ug/L
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L
75-27-4	Bromodichloromethane	0.14	U	1.0	0.14	ug/L
108-10-1	4-Methyl-2-Pentanone	0.46	U	5.0	0.46	ug/L
108-88-3	Toluene	0.11	U	1.0	0.11	ug/L
10061-02-6	t-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.12	U	1.0	0.12	ug/L
79-00-5	1,1,2-Trichloroethane	0.11	U	1.0	0.11	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Stantec	**Date Collected:**	11/4/2005
Project:	Gregory St	**Date Received:**	11/5/2005
Client Sample ID:	GR-MW210-GW	**SDG No.:**	T5588
Lab Sample ID:	T5588-03	**Matrix:**	WATER
Analytical Method:	8260-Low	**% Moisture:**	100
Sample Wt/Wol:	25.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000128.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	0.57	U	5.0	0.57	ug/L
124-48-1	Dibromochloromethane	0.13	U	1.0	0.13	ug/L
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12	ug/L
108-90-7	Chlorobenzene	0.11	U	1.0	0.11	ug/L
100-41-4	Ethyl Benzene	0.11	U	1.0	0.11	ug/L
126777-61-2	m&p-Xylenes	0.24	U	1.0	0.24	ug/L
95-47-6	o-Xylene	0.13	U	1.0	0.13	ug/L
100-42-5	Styrene	0.11	U	1.0	0.11	ug/L
75-25-2	Bromoform	0.09	U	1.0	0.09	ug/L
98-82-8	Isopropylbenzene	0.12	U	1.0	0.12	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.09	U	1.0	0.09	ug/L
541-73-1	1,3-Dichlorobenzene	0.10	U	1.0	0.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.12	U	1.0	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.08	U	1.0	0.08	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.20	U	1.0	0.20	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.08	U	1.0	0.08	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	9.5	95 %	72 - 119		SPK: 10
1868-53-7	Dibromofluoromethane	9.82	98 %	85 - 115		SPK: 10
2037-26-5	Toluene-d8	9.48	95 %	81 - 120		SPK: 10
460-00-4	4-Bromofluorobenzene	10.12	101 %	76 - 119		SPK: 10
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	434105	3.82			
540-36-3	1,4-Difluorobenzene	719211	4.26			
3114-55-4	Chlorobenzene-d5	840089	7.30			
3855-82-1	1,4-Dichlorobenzene-d4	444883	9.59			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Stantec	**Date Collected:**	11/4/2005
Project:	Gregory St	**Date Received:**	11/5/2005
Client Sample ID:	GR-MW211-GW	**SDG No.:**	T5588
Lab Sample ID:	T5588-04	**Matrix:**	WATER
Analytical Method:	8260-Low	**% Moisture:**	100
Sample Wt/Vol:	25.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000129.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.12	U	1.0	0.12	ug/L
74-87-3	Chloromethane	0.08	U	1.0	0.08	ug/L
75-01-4	Vinyl chloride	0.09	U	1.0	0.09	ug/L
74-83-9	Bromomethane	0.18	U	1.0	0.18	ug/L
75-00-3	Chloroethane	0.46	U	1.0	0.46	ug/L
75-69-4	Trichlorofluoromethane	0.10	U	1.0	0.10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.13	U	1.0	0.13	ug/L
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L
67-64-1	Acetone	1.6	U	5.0	1.6	ug/L
75-15-0	Carbon disulfide	0.11	U	1.0	0.11	ug/L
1634-04-4	Methyl tert-butyl Ether	0.22	U	1.0	0.22	ug/L
79-20-9	Methyl Acetate	0.16	U	1.0	0.16	ug/L
75-09-2	Methylene Chloride	0.42	U	1.0	0.42	ug/L
156-60-5	trans-1,2-Dichloroethene	0.10	U	1.0	0.10	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L
110-82-7	Cyclohexane	0.15	U	1.0	0.15	ug/L
78-93-3	2-Butanone	0.23	U	5.0	0.23	ug/L
56-23-5	Carbon Tetrachloride	0.16	U	1.0	0.16	ug/L
156-59-2	cis-1,2-Dichloroethene	0.09	U	1.0	0.09	ug/L
67-66-3	Chloroform	0.16	U	1.0	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14	ug/L
71-43-2	Benzene	0.15	U	1.0	0.15	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L
79-01-6	Trichloroethene	0.12	U	1.0	0.12	ug/L
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L
75-27-4	Bromodichloromethane	0.14	U	1.0	0.14	ug/L
108-10-1	4-Methyl-2-Pentanone	0.46	U	5.0	0.46	ug/L
108-88-3	Toluene	0.11	U	1.0	0.11	ug/L
10061-02-6	t-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.12	U	1.0	0.12	ug/L
79-00-5	1,1,2-Trichloroethane	0.11	U	1.0	0.11	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Stantec	**Date Collected:**	11/4/2005
Project:	Gregory St	**Date Received:**	11/5/2005
Client Sample ID:	GR-MW211-GW	**SDG No.:**	T5588
Lab Sample ID:	T5588-04	**Matrix:**	WATER
Analytical Method:	8260-Low	**% Moisture:**	100
Sample Wt/Vol:	25.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000129.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	0.57	U	5.0	0.57	ug/L
124-48-1	Dibromochloromethane	0.13	U	1.0	0.13	ug/L
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12	ug/L
108-90-7	Chlorobenzene	0.11	U	1.0	0.11	ug/L
100-41-4	Ethyl Benzene	0.11	U	1.0	0.11	ug/L
126777-61-2	m&p-Xylenes	0.24	U	1.0	0.24	ug/L
95-47-6	o-Xylene	0.13	U	1.0	0.13	ug/L
100-42-5	Styrene	0.11	U	1.0	0.11	ug/L
75-25-2	Bromoform	0.09	U	1.0	0.09	ug/L
98-82-8	Isopropylbenzene	0.12	U	1.0	0.12	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.09	U	1.0	0.09	ug/L
541-73-1	1,3-Dichlorobenzene	0.10	U	1.0	0.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.12	U	1.0	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.08	U	1.0	0.08	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.20	U	1.0	0.20	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.08	U	1.0	0.08	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	10.75	108 %	72 - 119		SPK: 10
1868-53-7	Dibromofluoromethane	11.24	112 %	85 - 115		SPK: 10
2037-26-5	Toluene-d8	10.39	104 %	81 - 120		SPK: 10
460-00-4	4-Bromofluorobenzene	10.97	110 %	76 - 119		SPK: 10
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	441301	3.81			
540-36-3	1,4-Difluorobenzene	710998	4.26			
3114-55-4	Chlorobenzene-d5	886381	7.30			
3855-82-1	1,4-Dichlorobenzene-d4	498069	9.59			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Stantec	**Date Collected:**	11/4/2005
Project:	Gregory St	**Date Received:**	11/5/2005
Client Sample ID:	GR-MW216-GW	**SDG No.:**	T5588
Lab Sample ID:	T5588-05	**Matrix:**	WATER
Analytical Method:	8260-Low	**% Moisture:**	100
Sample Wt/Vol:	25.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000130.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.12	U	1.0	0.12	ug/L
74-87-3	Chloromethane	0.08	U	1.0	0.08	ug/L
75-01-4	Vinyl chloride	0.09	U	1.0	0.09	ug/L
74-83-9	Bromomethane	0.18	U	1.0	0.18	ug/L
75-00-3	Chloroethane	0.46	U	1.0	0.46	ug/L
75-69-4	Trichlorofluoromethane	0.10	U	1.0	0.10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.13	U	1.0	0.13	ug/L
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L
67-64-1	Acetone	1.6	U	5.0	1.6	ug/L
75-15-0	Carbon disulfide	0.11	U	1.0	0.11	ug/L
1634-04-4	Methyl tert-butyl Ether	0.22	U	1.0	0.22	ug/L
79-20-9	Methyl Acetate	0.16	U	1.0	0.16	ug/L
75-09-2	Methylene Chloride	0.42	U	1.0	0.42	ug/L
156-60-5	trans-1,2-Dichloroethene	0.10	U	1.0	0.10	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L
110-82-7	Cyclohexane	0.15	U	1.0	0.15	ug/L
78-93-3	2-Butanone	0.23	U	5.0	0.23	ug/L
56-23-5	Carbon Tetrachloride	0.16	U	1.0	0.16	ug/L
156-59-2	cis-1,2-Dichloroethene	0.09	U	1.0	0.09	ug/L
67-66-3	Chloroform	0.16	U	1.0	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14	ug/L
71-43-2	Benzene	0.15	U	1.0	0.15	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L
79-01-6	Trichloroethene	0.12	U	1.0	0.12	ug/L
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L
75-27-4	Bromodichloromethane	0.14	U	1.0	0.14	ug/L
108-10-1	4-Methyl-2-Pentanone	0.46	U	5.0	0.46	ug/L
108-88-3	Toluene	0.11	U	1.0	0.11	ug/L
10061-02-6	t-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.12	U	1.0	0.12	ug/L
79-00-5	1,1,2-Trichloroethane	0.11	U	1.0	0.11	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Stantec	**Date Collected:**	11/4/2005
Project:	Gregory St	**Date Received:**	11/5/2005
Client Sample ID:	GR-MW216-GW	**SDG No.:**	T5588
Lab Sample ID:	T5588-05	**Matrix:**	WATER
Analytical Method:	8260-Low	**% Moisture:**	100
Sample Wt/Wol:	25.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000130.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	0.57	U	5.0	0.57	ug/L
124-48-1	Dibromochloromethane	0.13	U	1.0	0.13	ug/L
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12	ug/L
108-90-7	Chlorobenzene	0.11	U	1.0	0.11	ug/L
100-41-4	Ethyl Benzene	0.11	U	1.0	0.11	ug/L
126777-61-2	m&p-Xylenes	0.24	U	1.0	0.24	ug/L
95-47-6	o-Xylene	0.13	U	1.0	0.13	ug/L
100-42-5	Styrene	0.11	U	1.0	0.11	ug/L
75-25-2	Bromoform	0.09	U	1.0	0.09	ug/L
98-82-8	Isopropylbenzene	0.12	U	1.0	0.12	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.09	U	1.0	0.09	ug/L
541-73-1	1,3-Dichlorobenzene	0.10	U	1.0	0.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.12	U	1.0	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.08	U	1.0	0.08	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.20	U	1.0	0.20	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.08	U	1.0	0.08	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	9.58	96 %	72 - 119		SPK: 10
1868-53-7	Dibromofluoromethane	9.93	99 %	85 - 115		SPK: 10
2037-26-5	Toluene-d8	10.71	107 %	81 - 120		SPK: 10
460-00-4	4-Bromofluorobenzene	9.87	99 %	76 - 119		SPK: 10
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	443175	3.82			
540-36-3	1,4-Difluorobenzene	727574	4.26			
3114-55-4	Chlorobenzene-d5	814642	7.31			
3855-82-1	1,4-Dichlorobenzene-d4	465744	9.58			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Stantec	**Date Collected:**	11/4/2005
Project:	Gregory St	**Date Received:**	11/5/2005
Client Sample ID:	GR-MW217-GW	**SDG No.:**	T5588
Lab Sample ID:	T5588-07	**Matrix:**	WATER
Analytical Method:	8260-Low	**% Moisture:**	100
Sample Wt/Vol:	25.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000131.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.12	U	1.0	0.12	ug/L
74-87-3	Chloromethane	0.08	U	1.0	0.08	ug/L
75-01-4	Vinyl chloride	0.09	U	1.0	0.09	ug/L
74-83-9	Bromomethane	0.18	U	1.0	0.18	ug/L
75-00-3	Chloroethane	0.46	U	1.0	0.46	ug/L
75-69-4	Trichlorofluoromethane	0.10	U	1.0	0.10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.13	U	1.0	0.13	ug/L
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L
67-64-1	Acetone	1.6	U	5.0	1.6	ug/L
75-15-0	Carbon disulfide	0.11	U	1.0	0.11	ug/L
1634-04-4	Methyl tert-butyl Ether	1.5		1.0	0.22	ug/L
79-20-9	Methyl Acetate	0.16	U	1.0	0.16	ug/L
75-09-2	Methylene Chloride	0.42	U	1.0	0.42	ug/L
156-60-5	trans-1,2-Dichloroethene	0.10	U	1.0	0.10	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L
110-82-7	Cyclohexane	0.15	U	1.0	0.15	ug/L
78-93-3	2-Butanone	0.23	U	5.0	0.23	ug/L
56-23-5	Carbon Tetrachloride	0.16	U	1.0	0.16	ug/L
156-59-2	cis-1,2-Dichloroethene	0.09	U	1.0	0.09	ug/L
67-66-3	Chloroform	0.16	U	1.0	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14	ug/L
71-43-2	Benzene	0.15	U	1.0	0.15	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L
79-01-6	Trichloroethene	0.12	U	1.0	0.12	ug/L
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L
75-27-4	Bromodichloromethane	0.14	U	1.0	0.14	ug/L
108-10-1	4-Methyl-2-Pentanone	0.46	U	5.0	0.46	ug/L
108-88-3	Toluene	0.11	U	1.0	0.11	ug/L
10061-02-6	t-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.12	U	1.0	0.12	ug/L
79-00-5	1,1,2-Trichloroethane	0.11	U	1.0	0.11	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Stantec	**Date Collected:**	11/4/2005
Project:	Gregory St	**Date Received:**	11/5/2005
Client Sample ID:	GR-MW217-GW	**SDG No.:**	T5588
Lab Sample ID:	T5588-07	**Matrix:**	WATER
Analytical Method:	8260-Low	**% Moisture:**	100
Sample Wt/Vol:	25.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000131.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	0.57	U	5.0	0.57	ug/L
124-48-1	Dibromochloromethane	0.13	U	1.0	0.13	ug/L
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12	ug/L
108-90-7	Chlorobenzene	0.11	U	1.0	0.11	ug/L
100-41-4	Ethyl Benzene	0.11	U	1.0	0.11	ug/L
126777-61-2	m&p-Xylenes	0.24	U	1.0	0.24	ug/L
95-47-6	o-Xylene	0.13	U	1.0	0.13	ug/L
100-42-5	Styrene	0.11	U	1.0	0.11	ug/L
75-25-2	Bromoform	0.09	U	1.0	0.09	ug/L
98-82-8	Isopropylbenzene	0.12	U	1.0	0.12	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.09	U	1.0	0.09	ug/L
541-73-1	1,3-Dichlorobenzene	0.10	U	1.0	0.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.12	U	1.0	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.08	U	1.0	0.08	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.20	U	1.0	0.20	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.08	U	1.0	0.08	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	9.2	92 %	72 - 119		SPK: 10
1868-53-7	Dibromofluoromethane	9.46	95 %	85 - 115		SPK: 10
2037-26-5	Toluene-d8	10.92	109 %	81 - 120		SPK: 10
460-00-4	4-Bromofluorobenzene	10.65	107 %	76 - 119		SPK: 10
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	384970	3.82			
540-36-3	1,4-Difluorobenzene	628281	4.26			
3114-55-4	Chlorobenzene-d5	741323	7.30			
3855-82-1	1,4-Dichlorobenzene-d4	430559	9.59			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW216-GW

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMED Case No.: T5588 NRAS No.: T5588 SDG NO.: T5588

Matrix (soil/water): WATER Lab Sample ID: T5588-05

Level (low/med): LOW Date Received: 11/05/2005

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	74.1	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	108	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	149000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10.0	U	N	P
7439-95-4	Magnesium	22100			P
7439-96-5	Manganese	63.4			P
7439-97-6	Mercury	0.200	U	*	CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	6180			P
7782-49-2	Selenium	35.0	U	N	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	2580	J		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	30.0	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-DUP-GW

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMED Case No.: T5588 NRAS No.: T5588 SDG NO.: T5588

Matrix (soil/water): WATER Lab Sample ID: T5588-06

Level (low/med): LOW Date Received: 11/05/2005

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	71.7	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	111	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	153000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10.0	U	N	P
7439-95-4	Magnesium	22400			P
7439-96-5	Manganese	66.8			P
7439-97-6	Mercury	0.054	J	*	CV
7440-02-0	Nickel	3.0	J		P
7440-09-7	Potassium	6400			P
7782-49-2	Selenium	35.0	U	N	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	2320	J		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	27.3	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW217-GW

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMED Case No.: T5588 NRAS No.: T5588 SDG NO.: T5588

Matrix (soil/water): WATER Lab Sample ID: T5588-07

Level (low/med): LOW Date Received: 11/05/2005

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	72.4	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	4.6	J		P
7440-39-3	Barium	278			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	193000			P
7440-47-3	Chromium	1.6	J		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	2.7	J		P
7439-89-6	Iron	30.8	J		P
7439-92-1	Lead	10.0	U	N	P
7439-95-4	Magnesium	40100			P
7439-96-5	Manganese	2100			P
7439-97-6	Mercury	0.078	J	*	CV
7440-02-0	Nickel	6.5	J		P
7440-09-7	Potassium	13500			P
7782-49-2	Selenium	35.0	U	N	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	29300			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	26.4	J		P

Color Before: colorless Clarity Before: clear Texture: _____

Color After: colorless Clarity After: clear Artifacts: _____

Comments: _____

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Stantec	**Date Collected:**	11/4/2005
Project:	Gregory St	**Date Received:**	11/5/2005
Client Sample ID:	TRIPBLANK	**SDG No.:**	T5588
Lab Sample ID:	T5588-10	**Matrix:**	WATER
Analytical Method:	8260-Low	**% Moisture:**	100
Sample Wt/Wol:	25.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000125.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.12	U	1.0	0.12	ug/L
74-87-3	Chloromethane	0.08	U	1.0	0.08	ug/L
75-01-4	Vinyl chloride	0.09	U	1.0	0.09	ug/L
74-83-9	Bromomethane	0.18	U	1.0	0.18	ug/L
75-00-3	Chloroethane	0.46	U	1.0	0.46	ug/L
75-69-4	Trichlorofluoromethane	0.10	U	1.0	0.10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.13	U	1.0	0.13	ug/L
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L
67-64-1	Acetone	1.6	U	5.0	1.6	ug/L
75-15-0	Carbon disulfide	0.11	U	1.0	0.11	ug/L
1634-04-4	Methyl tert-butyl Ether	0.22	U	1.0	0.22	ug/L
79-20-9	Methyl Acetate	0.16	U	1.0	0.16	ug/L
75-09-2	Methylene Chloride	0.42	U	1.0	0.42	ug/L
156-60-5	trans-1,2-Dichloroethene	0.10	U	1.0	0.10	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L
110-82-7	Cyclohexane	0.15	U	1.0	0.15	ug/L
78-93-3	2-Butanone	0.23	U	5.0	0.23	ug/L
56-23-5	Carbon Tetrachloride	0.16	U	1.0	0.16	ug/L
156-59-2	cis-1,2-Dichloroethene	0.09	U	1.0	0.09	ug/L
67-66-3	Chloroform	0.16	U	1.0	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14	ug/L
71-43-2	Benzene	0.15	U	1.0	0.15	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L
79-01-6	Trichloroethene	0.12	U	1.0	0.12	ug/L
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L
75-27-4	Bromodichloromethane	0.14	U	1.0	0.14	ug/L
108-10-1	4-Methyl-2-Pentanone	0.46	U	5.0	0.46	ug/L
108-88-3	Toluene	0.11	U	1.0	0.11	ug/L
10061-02-6	t-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.12	U	1.0	0.12	ug/L
79-00-5	1,1,2-Trichloroethane	0.11	U	1.0	0.11	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Stantec**	**Date Collected:**	**11/4/2005**
Project:	**Gregory St**	**Date Received:**	**11/5/2005**
Client Sample ID:	**TRIPBLANK**	**SDG No.:**	**T5588**
Lab Sample ID:	**T5588-10**	**Matrix:**	**WATER**
Analytical Method:	**8260-Low**	**% Moisture:**	**100**
Sample Wt/Vol:	**25.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VG000125.D	1	11/15/2005	VG103105

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	0.57	U	5.0	0.57	ug/L
124-48-1	Dibromochloromethane	0.13	U	1.0	0.13	ug/L
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12	ug/L
108-90-7	Chlorobenzene	0.11	U	1.0	0.11	ug/L
100-41-4	Ethyl Benzene	0.11	U	1.0	0.11	ug/L
126777-61-2	m&p-Xylenes	0.24	U	1.0	0.24	ug/L
95-47-6	o-Xylene	0.13	U	1.0	0.13	ug/L
100-42-5	Styrene	0.11	U	1.0	0.11	ug/L
75-25-2	Bromoform	0.09	U	1.0	0.09	ug/L
98-82-8	Isopropylbenzene	0.12	U	1.0	0.12	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.09	U	1.0	0.09	ug/L
541-73-1	1,3-Dichlorobenzene	0.10	U	1.0	0.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.12	U	1.0	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.08	U	1.0	0.08	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.20	U	1.0	0.20	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.08	U	1.0	0.08	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	9.72	97 %	72 - 119		SPK: 10
1868-53-7	Dibromofluoromethane	10.85	109 %	85 - 115		SPK: 10
2037-26-5	Toluene-d8	10.25	103 %	81 - 120		SPK: 10
460-00-4	4-Bromofluorobenzene	10.52	105 %	76 - 119		SPK: 10
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	446884	3.81			
540-36-3	1,4-Difluorobenzene	708116	4.25			
3114-55-4	Chlorobenzene-d5	837257	7.30			
3855-82-1	1,4-Dichlorobenzene-d4	474479	9.58			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Chemtech

Summary Sheet
SW-846

SDG No.: T5588 Order ID: T5588

Client: Stantec Project ID: STAN02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	GR-MW217-GW							
T5588-07	GR-MW217-GW	WATER	Methyl tert-butyl Ether	1.5		1.0	0.22	ug/L

Total VOC's:	1.50
Total TIC's:	0.00
Total VOC's and TIC's:	1.50

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Hit Summary Sheet
SW-846

SDG No.: T5588 **Order ID:** T5588

Client: Stantec **Project ID:** Gregory St

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**GR-DUP-GW**							
T5588-06	GR-DUP-GW	WATER	Aluminum	71.7	J	200	14.0	ug/L
T5588-06	GR-DUP-GW	WATER	Barium	111	J	200	7.4	ug/L
T5588-06	GR-DUP-GW	WATER	Calcium	153000		5000	6.1	ug/L
T5588-06	GR-DUP-GW	WATER	Magnesium	22400		5000	13.9	ug/L
T5588-06	GR-DUP-GW	WATER	Manganese	66.8		15.0	0.46	ug/L
T5588-06	GR-DUP-GW	WATER	Mercury	0.054	J	0.200	0.044	ug/L
T5588-06	GR-DUP-GW	WATER	Nickel	3.0	J	40.0	2.9	ug/L
T5588-06	GR-DUP-GW	WATER	Potassium	6400		5000	52.2	ug/L
T5588-06	GR-DUP-GW	WATER	Sodium	2320	J	5000	706	ug/L
T5588-06	GR-DUP-GW	WATER	Zinc	27.3	J	60.0	0.59	ug/L
Client ID:	**GR-MW216-GW**							
T5588-05	GR-MW216-GW	WATER	Aluminum	74.1	J	200	14.0	ug/L
T5588-05	GR-MW216-GW	WATER	Barium	108	J	200	7.4	ug/L
T5588-05	GR-MW216-GW	WATER	Calcium	149000		5000	6.1	ug/L
T5588-05	GR-MW216-GW	WATER	Magnesium	22100		5000	13.9	ug/L
T5588-05	GR-MW216-GW	WATER	Manganese	63.4		15.0	0.46	ug/L
T5588-05	GR-MW216-GW	WATER	Potassium	6180		5000	52.2	ug/L
T5588-05	GR-MW216-GW	WATER	Sodium	2580	J	5000	706	ug/L
T5588-05	GR-MW216-GW	WATER	Zinc	30.0	J	60.0	0.59	ug/L
Client ID:	**GR-MW217-GW**							
T5588-07	GR-MW217-GW	WATER	Aluminum	72.4	J	200	14.0	ug/L
T5588-07	GR-MW217-GW	WATER	Arsenic	4.6	J	10.0	1.0	ug/L
T5588-07	GR-MW217-GW	WATER	Barium	278		200	7.4	ug/L
T5588-07	GR-MW217-GW	WATER	Calcium	193000		5000	6.1	ug/L
T5588-07	GR-MW217-GW	WATER	Chromium	1.6	J	10.0	1.1	ug/L
T5588-07	GR-MW217-GW	WATER	Copper	2.7	J	25.0	2.5	ug/L
T5588-07	GR-MW217-GW	WATER	Iron	30.8	J	100	15.4	ug/L
T5588-07	GR-MW217-GW	WATER	Magnesium	40100		5000	13.9	ug/L
T5588-07	GR-MW217-GW	WATER	Manganese	2100		15.0	0.46	ug/L
T5588-07	GR-MW217-GW	WATER	Mercury	0.078	J	0.200	0.044	ug/L
T5588-07	GR-MW217-GW	WATER	Nickel	6.5	J	40.0	2.9	ug/L
T5588-07	GR-MW217-GW	WATER	Potassium	13500		5000	52.2	ug/L
T5588-07	GR-MW217-GW	WATER	Sodium	29300		5000	706	ug/L
T5588-07	GR-MW217-GW	WATER	Zinc	26.4	J	60.0	0.59	ug/L

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

DATA PACKAGE FOR METALS

PROJECT NAME: Gregory St

STANTEC
2250 BRIGHTON-HENRIETTA TOWN LINE ROAD
ROCHESTER, NY 14623-2674
5854751440

CHEMTECH PROJECT NO. **T5588**
ATTENTION: **Pete Smith**

A FULL SERVICE ENVIRONMENTAL LABORATORY

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # N/A
Chemtech Project # T5588

A. Number of Samples and Date of Receipt:
10 Water samples were received on 11/5/05.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, TAL ICP Metals, TAL Metals, and TCL Volatiles + 10. This data package contains results for Mercury and TAL Metals.

C. Analytical Techniques:
The analysis of Mercury was based on method ILM05.3 and TAL Metals was based on method ILM05.3.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples except for Mercury.
The Matrix Spike analysis met criteria for all samples except for Lead, Selenium.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements except for Calcium, Manganese and Potassium.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 11/23/05 Title: QA/QC

CHEMTECH
284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: Gregory St

OrderID: T5588 **CustomerName:** Stantec

LAB SAMPLE NO.	CLIENT SAMPLE NO
T5588-01	GR-MW208-GW
T5588-02	GR-MW209-GW
T5588-03	GR-MW210-GW
T5588-04	GR-MW211-GW
T5588-05	GR-MW216-GW
T5588-06	GR-DUP-GW
T5588-07	GR-MW217-GW
T5588-08	GR-MW217-GWMS
T5588-09	GR-MW217-GWMSD
T5588-10	TRIPBLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature:_____ Name: Kunpa Mistry

Date: 11/8/05 Title: QA/QC

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	If the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	If the analyte was analyzed for, but not detected.
E	The reported value is estimated because of the presence of interference
M	Duplicate injection precision not met.
N	Spiked sample recovery not within control limits.
S	The reported value was determined by the Method of Standard Addition (MSA).
W	Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while absorbance is less that 50% of spike absorbance.
*	Duplicate analysis not within control limits.
+	Correlation coefficient for the MSA is less than 0.995.
***	Entering "S", "W " or " +" is mutually exclusive. NO combination of these qualifiers can appear in the same field for an analyte.
D	The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers: "P" for ICP instrument "A" for Flame AA "PM" for ICP when Microwave Digestion is used "AM" for flame AA when Microwave Digestion is used "FM" for furnace AA when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi -Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed

METALS

DATA

METALS SAMPLE DATA

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW216-GW

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMED Case No.: T5588 NRAS No.: T5588 SDG NO.: T5588

Matrix (soil/water): WATER Lab Sample ID: T5588-05

Level (low/med): LOW Date Received: 11/05/2005

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	74.1	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	108	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	149000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10.0	U	N	P
7439-95-4	Magnesium	22100			P
7439-96-5	Manganese	63.4			P
7439-97-6	Mercury	0.200	U	*	CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	6180			P
7782-49-2	Selenium	35.0	U	N	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	2580	J		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	30.0	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-DUP-GW

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMED Case No.: T5588 NRAS No.: T5588 SDG NO.: T5588

Matrix (soil/water): WATER Lab Sample ID: T5588-06

Level (low/med): LOW Date Received: 11/05/2005

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	71.7	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	111	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	153000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10.0	U	N	P
7439-95-4	Magnesium	22400			P
7439-96-5	Manganese	66.8			P
7439-97-6	Mercury	0.054	J	*	CV
7440-02-0	Nickel	3.0	J		P
7440-09-7	Potassium	6400			P
7782-49-2	Selenium	35.0	U	N	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	2320	J		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	27.3	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GR-MW217-GW

Lab Name: Chemtech Consulting Group Contract: Stantec

Lab Code: CHEMED Case No.: T5588 NRAS No.: T5588 SDG NO.: T5588

Matrix (soil/water): WATER Lab Sample ID: T5588-07

Level (low/med): LOW Date Received: 11/05/2005

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	72.4	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	4.6	J		P
7440-39-3	Barium	278			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	193000			P
7440-47-3	Chromium	1.6	J		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	2.7	J		P
7439-89-6	Iron	30.8	J		P
7439-92-1	Lead	10.0	U	N	P
7439-95-4	Magnesium	40100			P
7439-96-5	Manganese	2100			P
7439-97-6	Mercury	0.078	J	*	CV
7440-02-0	Nickel	6.5	J		P
7440-09-7	Potassium	13500			P
7782-49-2	Selenium	35.0	U	N	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	29300			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	26.4	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

1 Mustard Street, Suite 250 Rochester, NY 14609-6925 (585) 288-5380 ph (585) 288-8475 fax

Columbia Analytical Services INC.
An Employee - Owned Company

September 26, 2005

RECEIVED
SEP 28 2005
Stantec

Mr. Peter Smith
Stantec Consulting Group, Inc.
2250 Brighton- Henrietta Townline Road
Rochester , NY 14623-2706

Re: Gregory St. Project/ 190500196
CAS Submission #R2527630 / P2502060

Dear Mr. Smith,

Enclosed is the analytical data report for the above referenced project. All samples were analyzed by the CAS – Simi Valley air Laboratory. Data was also emailed to you on 9/16/05. All data has been reviewed prior to submission.

Please contact me at (585)-288-5380 ext. 134 if you have questions regarding this information.

Sincerely,
COLUMBIA ANALYTICAL SERVICES

Karen Bunker
Project Manager

Enc.

cc Ms. Judy Harry
Data Validation Services
Cobble Creek Road
PO Box 208
North Creek, NY 12853

2665 Park Center Drive, Suite D Simi Valley, California 93065 (805) 526-7161 ph (805) 526-7270 fax

Columbia Analytical Services, Inc.
An Employee - Owned Company

LABORATORY REPORT

Client:	STANTEC	Date of Report:	09/23/05
Address:		Date Received:	08/31/05
		CAS Project No:	P2502060
Contact:	Mr. Pete Smith	Purchase Order:	Verbal

Client Project ID: Gregory St. Project / 190500196

Four (4) Stainless Steel Summa Canisters labeled:

"GR-SG1-A" "GR-BA1-A" "GR-BA2-A" "GR-BK1-A"

The samples were received at the laboratory under chain of custody on August 31, 2005. The samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

Helium Analysis

One of the samples was analyzed for helium using a gas chromatograph equipped with a thermal conductivity detector (TCD).

Reviewed and Approved:

Wade Henton
GC-VOA Team Leader
Air Quality Laboratory

Reviewed and Approved:

Chris Parnell
GCMS-VOA Team Leader
Air Quality Laboratory

2665 Park Center Drive, Suite D Simi Valley, California 93065 (805) 526-7161 ph (805) 526-7270 fax

Columbia Analytical Services INC.
An Employee - Owned Company

CAS Project No: P2502060

Volatile Organic Compound Analysis

All of the samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for volatile organic compounds. Five of the samples were also analyzed in SIM mode for trichloroethene. The analyses were performed according to the methodology outlined in EPA Method TO-15. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of an Agilent Model 5973inert GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given in the attached data package. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for utilization of less than the complete report.

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: Stantec Work order: P2502060

Project: Gregory Street/190500196

Sample(s) received on: 8/31/05 Date opened: 8/31/05 by: MZ

Note: This form is used for all samples received by CAS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client or as required by the method/SOP.

		Yes	No	N/A
1	Were **custody seals** on outside of cooler/Box?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
	Were custody seals on outside of sample container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
2	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
3	Did **sample containers** arrive in good condition?	☒	☐	☐
4	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
5	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
6	Was **sample volume** received adequate for analysis?	☒	☐	☐
7	Are samples within specified holding times?	☒	☐	☐
8	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
	Cooler Temperature NA °C			
	Blank Temperature NA °C			
9	Is pH (acid) **preservation** necessary, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** (acid) preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
	Do they contain moisture?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Required pH (as received, if required)	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2502060-001			NA	
P2502060-002			NA	
P2502060-003			NA	
P2502060-004			NA	

Explain any discrepancies: (include lab sample ID numbers):

RESULTS OF HELIUM ANALYSIS

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Project ID: **Gregory Street/190500196**

CAS Project ID: P2502060

Helium

Test Code: GC/TCD
Instrument ID: HP5890II/GC8/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister(s)
Test Notes:

Date(s) Collected: 8/30/05
Date Received: 8/31/05
Date Analyzed: 9/21/05
Volume(s) Analyzed: 1.0 ml

Client Sample ID	CAS Sample ID	D.F.	Helium Concentration in ppmV		Data Qualifier
			Result	MRL	
GR-SG1-A	P2502060-001	1.52	ND	303	
GR-SG1-A	P2502060-001DUP	1.52	ND	303	
Method Blank	P050921-MB	1.00	ND	200	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced metho

Verified By: RC Date: 9/23/05

RESULTS OF VOLATILE ORGANIC ANALYSIS

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GR-SG1-A**
Client Project ID: **Gregory Street/190500196**

CAS Project ID: P2502060
CAS Sample ID: P2502060-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Michelle Sakamoto
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00810

Date Collected: 8/30/05
Date Received: 8/31/05
Date(s) Analyzed: 9/12/05
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.5

Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	0.76	ND	0.37	
75-01-4	Vinyl Chloride	ND	0.76	ND	0.30	
74-83-9	Bromomethane	ND	0.76	ND	0.20	
75-00-3	Chloroethane	ND	0.76	ND	0.29	
67-64-1	Acetone	**18**	7.6	**7.7**	3.2	
75-69-4	Trichlorofluoromethane	**1.3**	0.76	**0.24**	0.14	
75-35-4	1,1-Dichloroethene	ND	0.76	ND	0.19	
75-09-2	Methylene chloride	ND	0.76	ND	0.22	
76-13-1	Trichlorotrifluoroethane	ND	0.76	ND	0.099	
75-15-0	Carbon Disulfide	**0.85**	0.76	**0.27**	0.24	
156-60-5	trans-1,2-Dichloroethene	ND	0.76	ND	0.19	
75-34-3	1,1-Dichloroethane	ND	0.76	ND	0.19	
1634-04-4	Methyl tert-Butyl Ether	ND	0.76	ND	0.21	
108-05-4	Vinyl Acetate	**4.3**	1.5	**1.2**	0.43	
78-93-3	2-Butanone (MEK)	**2.9**	0.76	**0.98**	0.26	
156-59-2	cis-1,2-Dichloroethene	ND	0.76	ND	0.19	
67-66-3	Chloroform	**21**	0.76	**4.3**	0.16	
107-06-2	1,2-Dichloroethane	ND	0.76	ND	0.19	
71-55-6	1,1,1-Trichloroethane	**7.6**	0.76	**1.4**	0.14	
71-43-2	Benzene	ND	0.76	ND	0.24	
56-23-5	Carbon Tetrachloride	ND	0.76	ND	0.12	
78-87-5	1,2-Dichloropropane	ND	0.76	ND	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: _____ Date: 09/15/05

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GR-SG1-A**
Client Project ID: **Gregory Street/190500196**

CAS Project ID: P2502060
CAS Sample ID: P2502060-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Michelle Sakamoto
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00810

Date Collected: 8/30/05
Date Received: 8/31/05
Date(s) Analyzed: 9/12/05
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.5

Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	0.76	ND	0.11	
79-01-6	Trichloroethene	ND	0.76	ND	0.14	
10061-01-5	cis-1,3-Dichloropropene	ND	0.76	ND	0.17	
108-10-1	4-Methyl-2-pentanone	**1.3**	0.76	**0.31**	0.19	
10061-02-6	trans-1,3-Dichloropropene	ND	0.76	ND	0.17	
79-00-5	1,1,2-Trichloroethane	ND	0.76	ND	0.14	
108-88-3	Toluene	**2.9**	0.76	**0.78**	0.20	
591-78-6	2-Hexanone	**0.96**	0.76	**0.23**	0.19	
124-48-1	Dibromochloromethane	ND	0.76	ND	0.089	
106-93-4	1,2-Dibromoethane	ND	0.76	ND	0.099	
127-18-4	Tetrachloroethene	**32**	0.76	**4.7**	0.11	
108-90-7	Chlorobenzene	ND	0.76	ND	0.17	
100-41-4	Ethylbenzene	ND	0.76	ND	0.18	
136777-61-2	*m,p* -Xylenes	ND	1.5	ND	0.35	
75-25-2	Bromoform	ND	0.76	ND	0.074	
100-42-5	Styrene	ND	0.76	ND	0.18	
95-47-6	o-Xylene	ND	0.76	ND	0.18	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.76	ND	0.11	
541-73-1	1,3-Dichlorobenzene	ND	0.76	ND	0.13	
106-46-7	1,4-Dichlorobenzene	ND	0.76	ND	0.13	
95-50-1	1,2-Dichlorobenzene	ND	0.76	ND	0.13	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 09/15/05

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GR-BA1-A**
Client Project ID: **Gregory Street/190500196**

CAS Project ID: P2502060
CAS Sample ID: P2502060-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Michelle Sakamoto
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00843

Date Collected: 8/30/05
Date Received: 8/31/05
Date(s) Analyzed: 9/12/05
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.2 Pf 1 = 3.5

Can D.F. = 1.46

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	**1.0**	0.73	**0.49**	0.35	
75-01-4	Vinyl Chloride	ND	0.73	ND	0.29	
74-83-9	Bromomethane	ND	0.73	ND	0.19	
75-00-3	Chloroethane	ND	0.73	ND	0.28	
67-64-1	Acetone	**76**	7.3	**32**	3.1	
75-69-4	Trichlorofluoromethane	**1.1**	0.73	**0.20**	0.13	
75-35-4	1,1-Dichloroethene	ND	0.73	ND	0.18	
75-09-2	Methylene chloride	**0.93**	0.73	**0.27**	0.21	
76-13-1	Trichlorotrifluoroethane	ND	0.73	ND	0.095	
75-15-0	Carbon Disulfide	ND	0.73	ND	0.23	
156-60-5	trans-1,2-Dichloroethene	ND	0.73	ND	0.18	
75-34-3	1,1-Dichloroethane	ND	0.73	ND	0.18	
1634-04-4	Methyl tert-Butyl Ether	ND	0.73	ND	0.20	
108-05-4	Vinyl Acetate	**9.7**	1.5	**2.7**	0.41	
78-93-3	2-Butanone (MEK)	**8.2**	0.73	**2.8**	0.25	
156-59-2	cis-1,2-Dichloroethene	ND	0.73	ND	0.18	
67-66-3	Chloroform	ND	0.73	ND	0.15	
107-06-2	1,2-Dichloroethane	ND	0.73	ND	0.18	
71-55-6	1,1,1-Trichloroethane	ND	0.73	ND	0.13	
71-43-2	Benzene	ND	0.73	ND	0.23	
56-23-5	Carbon Tetrachloride	ND	0.73	ND	0.12	
78-87-5	1,2-Dichloropropane	ND	0.73	ND	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KeH Date: 09/15/05

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GR-BA1-A**
Client Project ID: **Gregory Street/190500196**

CAS Project ID: P2502060
CAS Sample ID: P2502060-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Michelle Sakamoto
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00843

Date Collected: 8/30/05
Date Received: 8/31/05
Date(s) Analyzed: 9/12/05
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.2 Pf 1 = 3.5

Can D.F. = 1.46

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	0.73	ND	0.11	
79-01-6	Trichloroethene	**0.94**	0.73	**0.17**	0.14	
10061-01-5	cis-1,3-Dichloropropene	ND	0.73	ND	0.16	
108-10-1	4-Methyl-2-pentanone	**1.1**	0.73	**0.28**	0.18	
10061-02-6	trans-1,3-Dichloropropene	ND	0.73	ND	0.16	
79-00-5	1,1,2-Trichloroethane	ND	0.73	ND	0.13	
108-88-3	Toluene	**7.4**	0.73	**2.0**	0.19	
591-78-6	2-Hexanone	**0.87**	0.73	**0.21**	0.18	
124-48-1	Dibromochloromethane	ND	0.73	ND	0.086	
106-93-4	1,2-Dibromoethane	ND	0.73	ND	0.095	
127-18-4	Tetrachloroethene	ND	0.73	ND	0.11	
108-90-7	Chlorobenzene	ND	0.73	ND	0.16	
100-41-4	Ethylbenzene	**0.97**	0.73	**0.22**	0.17	
136777-61-2	*m,p*-Xylenes	**3.7**	1.5	**0.84**	0.34	
75-25-2	Bromoform	ND	0.73	ND	0.071	
100-42-5	Styrene	ND	0.73	ND	0.17	
95-47-6	o-Xylene	**1.4**	0.73	**0.32**	0.17	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.73	ND	0.11	
541-73-1	1,3-Dichlorobenzene	ND	0.73	ND	0.12	
106-46-7	1,4-Dichlorobenzene	ND	0.73	ND	0.12	
95-50-1	1,2-Dichlorobenzene	ND	0.73	ND	0.12	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 09/15/05

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GR-BA2-A**
Client Project ID: **Gregory Street/190500196**

CAS Project ID: P2502060
CAS Sample ID: P2502060-003

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Michelle Sakamoto
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00817

Date Collected: 8/30/05
Date Received: 8/31/05
Date(s) Analyzed: 9/13/05
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.3 Pf 1 = 3.5

Can D.F. = 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	**1.1**	0.80	**0.54**	0.39	
75-01-4	Vinyl Chloride	ND	0.80	ND	0.31	
74-83-9	Bromomethane	ND	0.80	ND	0.21	
75-00-3	Chloroethane	ND	0.80	ND	0.30	
67-64-1	Acetone	**110**	8.0	**47**	3.4	
75-69-4	Trichlorofluoromethane	**1.1**	0.80	**0.19**	0.14	
75-35-4	1,1-Dichloroethene	ND	0.80	ND	0.20	
75-09-2	Methylene chloride	**0.96**	0.80	**0.28**	0.23	
76-13-1	Trichlorotrifluoroethane	ND	0.80	ND	0.10	
75-15-0	Carbon Disulfide	ND	0.80	ND	0.26	
156-60-5	trans-1,2-Dichloroethene	ND	0.80	ND	0.20	
75-34-3	1,1-Dichloroethane	ND	0.80	ND	0.20	
1634-04-4	Methyl tert-Butyl Ether	ND	0.80	ND	0.22	
108-05-4	Vinyl Acetate	**11**	1.6	**3.1**	0.45	
78-93-3	2-Butanone (MEK)	**9.3**	0.80	**3.1**	0.27	
156-59-2	cis-1,2-Dichloroethene	ND	0.80	ND	0.20	
67-66-3	Chloroform	ND	0.80	ND	0.16	
107-06-2	1,2-Dichloroethane	ND	0.80	ND	0.20	
71-55-6	1,1,1-Trichloroethane	ND	0.80	ND	0.15	
71-43-2	Benzene	ND	0.80	ND	0.25	
56-23-5	Carbon Tetrachloride	ND	0.80	ND	0.13	
78-87-5	1,2-Dichloropropane	ND	0.80	ND	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KMH Date: 09/15/05

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GR-BA2-A**
Client Project ID: **Gregory Street/190500196**

CAS Project ID: P2502060
CAS Sample ID: P2502060-003

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Michelle Sakamoto
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00817

Date Collected: 8/30/05
Date Received: 8/31/05
Date(s) Analyzed: 9/13/05
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.3 Pf 1 = 3.5

Can D.F. = 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	0.80	ND	0.12	
79-01-6	Trichloroethene	**1.2**	0.80	**0.22**	0.15	
10061-01-5	cis-1,3-Dichloropropene	ND	0.80	ND	0.18	
108-10-1	4-Methyl-2-pentanone	**1.2**	0.80	**0.28**	0.20	
10061-02-6	trans-1,3-Dichloropropene	ND	0.80	ND	0.18	
79-00-5	1,1,2-Trichloroethane	ND	0.80	ND	0.15	
108-88-3	Toluene	**7.7**	0.80	**2.0**	0.21	
591-78-6	2-Hexanone	ND	0.80	ND	0.20	
124-48-1	Dibromochloromethane	ND	0.80	ND	0.094	
106-93-4	1,2-Dibromoethane	ND	0.80	ND	0.10	
127-18-4	Tetrachloroethene	ND	0.80	ND	0.12	
108-90-7	Chlorobenzene	ND	0.80	ND	0.17	
100-41-4	Ethylbenzene	**0.90**	0.80	**0.21**	0.18	
136777-61-2	*m,p*-Xylenes	**2.6**	1.6	**0.60**	0.37	
75-25-2	Bromoform	ND	0.80	ND	0.077	
100-42-5	Styrene	ND	0.80	ND	0.19	
95-47-6	o-Xylene	**1.0**	0.80	**0.23**	0.18	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.80	ND	0.12	
541-73-1	1,3-Dichlorobenzene	ND	0.80	ND	0.13	
106-46-7	1,4-Dichlorobenzene	ND	0.80	ND	0.13	
95-50-1	1,2-Dichlorobenzene	ND	0.80	ND	0.13	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: _____ Date: 09/15/05

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GR-BK1-A**
Client Project ID: **Gregory Street/190500196**

CAS Project ID: P2502060
CAS Sample ID: P2502060-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Michelle Sakamoto
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00793

Date Collected: 8/30/05
Date Received: 8/31/05
Date(s) Analyzed: 9/13/05
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.5

Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	**0.96**	0.76	**0.47**	0.37	
75-01-4	Vinyl Chloride	ND	0.76	ND	0.30	
74-83-9	Bromomethane	ND	0.76	ND	0.20	
75-00-3	Chloroethane	ND	0.76	ND	0.29	
67-64-1	Acetone	**23**	7.6	**9.6**	3.2	
75-69-4	Trichlorofluoromethane	**0.94**	0.76	**0.17**	0.14	
75-35-4	1,1-Dichloroethene	ND	0.76	ND	0.19	
75-09-2	Methylene chloride	ND	0.76	ND	0.22	
76-13-1	Trichlorotrifluoroethane	ND	0.76	ND	0.099	
75-15-0	Carbon Disulfide	ND	0.76	ND	0.24	
156-60-5	trans-1,2-Dichloroethene	ND	0.76	ND	0.19	
75-34-3	1,1-Dichloroethane	ND	0.76	ND	0.19	
1634-04-4	Methyl tert-Butyl Ether	ND	0.76	ND	0.21	
108-05-4	Vinyl Acetate	**5.9**	1.5	**1.7**	0.43	
78-93-3	2-Butanone (MEK)	**2.6**	0.76	**0.89**	0.26	
156-59-2	cis-1,2-Dichloroethene	ND	0.76	ND	0.19	
67-66-3	Chloroform	ND	0.76	ND	0.16	
107-06-2	1,2-Dichloroethane	ND	0.76	ND	0.19	
71-55-6	1,1,1-Trichloroethane	ND	0.76	ND	0.14	
71-43-2	Benzene	ND	0.76	ND	0.24	
56-23-5	Carbon Tetrachloride	ND	0.76	ND	0.12	
78-87-5	1,2-Dichloropropane	ND	0.76	ND	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KH Date: 09/15/05

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GR-BK1-A**
Client Project ID: **Gregory Street/190500196**

CAS Project ID: P2502060
CAS Sample ID: P2502060-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Michelle Sakamoto
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00793

Date Collected: 8/30/05
Date Received: 8/31/05
Date(s) Analyzed: 9/13/05
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.5

Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	0.76	ND	0.11	
79-01-6	Trichloroethene	ND	0.76	ND	0.14	
10061-01-5	cis-1,3-Dichloropropene	ND	0.76	ND	0.17	
108-10-1	4-Methyl-2-pentanone	ND	0.76	ND	0.19	
10061-02-6	trans-1,3-Dichloropropene	ND	0.76	ND	0.17	
79-00-5	1,1,2-Trichloroethane	ND	0.76	ND	0.14	
108-88-3	Toluene	**1.8**	0.76	**0.49**	0.20	
591-78-6	2-Hexanone	ND	0.76	ND	0.19	
124-48-1	Dibromochloromethane	ND	0.76	ND	0.089	
106-93-4	1,2-Dibromoethane	ND	0.76	ND	0.099	
127-18-4	Tetrachloroethene	ND	0.76	ND	0.11	
108-90-7	Chlorobenzene	ND	0.76	ND	0.17	
100-41-4	Ethylbenzene	ND	0.76	ND	0.18	
136777-61-2	*m,p*-Xylenes	ND	1.5	ND	0.35	
75-25-2	Bromoform	ND	0.76	ND	0.074	
100-42-5	Styrene	ND	0.76	ND	0.18	
95-47-6	o-Xylene	ND	0.76	ND	0.18	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.76	ND	0.11	
541-73-1	1,3-Dichlorobenzene	ND	0.76	ND	0.13	
106-46-7	1,4-Dichlorobenzene	ND	0.76	ND	0.13	
95-50-1	1,2-Dichlorobenzene	ND	0.76	ND	0.13	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KMH Date: 09/15/05

CHAIN OF CUSTODY RECORDS

Columbia Analytical Services, Inc.
An Employee Owned Company

Air Quality Laboratory
2665 Park Center Drive, Suite D
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

Chain of Custody Record & Analytical Service Request

Requested Turnaround Time by Close of Business Day (Surcharges) Please Circle:
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (15%) (10 Day-Standard)

CAS Project No.: P2502060

CAS Contact:

Reporting Information (Company Name & Address)
Stantec
2250 Brighton-Henrietta

Attention: Peter Smith

Phone (585) 413-5635 Fax (585) 424-5951

Email Address for Result Reporting: phsmith@stantec.com

P.O. # / Billing Information

Project Name: Gregory Street

Project Number: 1905000196

Sampler (Print & Sign): Peter Smith

Analysis Method and/or Analytes

Client Sample ID	Date Collected	Time Collected	Lab Sample No.	Sample Type (Air/Liquid /Solid/Tube)	Canister ID (Bar Code#)	Flow Controller (Bar Code #)	Sample Volume	TO-15 List	helium			Comments e.g. Preservative or specific instructions
GS-SG1-A	8/30/05	1255	1	Air	AC00810	FC00340	6L	✓	✓			-5.4
GS-BA1-A	8/30/05	1258	2	"	AC00843	FC00287	"	✓				-4.5
GS-BA2-A	8/30/05	1301	3	"	AC00817	FC00344	"	✓				-6.5
GS-BK1-A	8/30/05	1304	4	"	AC00793	FC00103	"	✓				-5.5

Report Tier Levels - please select
Tier I - (default if not specified) ____
Tier II (QC forms) ____
Tier III (QC, Raw Data, Spectra) 10% Surcharge ____
Other ____ CLP type
EDD required Yes / No
Type: ____

Project Requirements (MRLs, QAPP)
1.0 µg/m³ RL

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Peter Smith	8/30/05	1345	[illegible]	8/31/05	0945 ~~1045~~
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature ____ °C 4.7

1 Mustard Street, Suite 250 Rochester, NY 14609-6925 (585) 288-5380 ph (585) 288-8475 fax

Columbia Analytical Services INC.
An Employee - Owned Company

January 23, 2006

RECEIVED
JAN 25 2006
Stantec

Mr. Peter Smith
Stantec Consulting Group, Inc.
2250 Brighton- Henrietta Townline Road
Rochester , NY 14623-2706

Re: 399 Gregory St. Project/ 190500196
CAS Submission #s P2503239, R2629943

Dear Mr. Smith,

Enclosed is the analytical data report for the above referenced project. All analyses were preformed at the CAS-Simi Valley Air Laboratory. The data was also forwarded to you in final format on 1/20/06.

Location GS-SG-1-A was cancelled after submission due to insufficient sample volume.

Please contact me at (585)-288-5380 ext. 134 if you have questions regarding this information.

Sincerely,
COLUMBIA ANALYTICAL SERVICES

Karen Bunker

Karen Bunker
Project Manager

Enc.

2665 Park Center Drive, Suite D Simi Valley, California 93065 (805) 526-7161 ph (805) 526-7270 fax

Columbia Analytical Services INC.
An Employee - Owned Compa

LABORATORY REPORT

Client:	STANTEC	Date of Report:	01/17/06
Address:		Date Received:	12/23/05
		CAS Project No:	P2503239
Contact:	Mr. Peter Smith	Purchase Order:	Verbal
Client Project ID:	399 Gregory St. / 190500196	New York Lab ID:	11221

Four (4) Stainless Steel Summa Canisters labeled:

"GS-SG-1-A" "GS-BK-1-A" "GS-BA-1-A" "GS-BA-2-A"

The samples were received at the laboratory under chain of custody on December 23, 2005. At the client's request the sample identified as "GS-SG-1-A" was cancelled due to insufficient volume. Otherwise, the samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

Volatile Organic Compound Analysis

Three of the samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for selected volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-15. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of an Agilent Model 5973inert GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given in the attached data package. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for utilization of less than the complete report.

Reviewed and Approved:

Chris Parnell
GCMS-VOA Team Leader
Air Quality Laboratory

Reviewed and Approved:

John Yokoyama
Operations Manager
Air Quality Laboratory

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: Columbia Analytical Services, Inc. Work order: P2503239

Project: 399 Gregory St./190J00196

Sample(s) received on: 12/23/05 Date opened: 12/23/05 by: MZ

Note: This form is used for all samples received by CAS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client or as required by the method/SOP.

		Yes	No	N/A
1	Were **custody seals** on outside of cooler/Box?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
	Were custody seals on outside of sample container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
2	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
3	Did **sample containers** arrive in good condition?	☒	☐	☐
4	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
5	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
6	Was **sample volume** received adequate for analysis?	☐	☒	☐
7	Are samples within specified holding times?	☒	☐	☐
8	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
	Cooler Temperature NA °C			
	Blank Temperature NA °C			
9	Is pH (acid) **preservation** necessary, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** (acid) preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
	Do they contain moisture?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Required pH (as received, if required)	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2503239-001			NA	
P2503239-002			NA	
P2503239-003			NA	
P2503239-004			NA	

Explain any discrepancies: (include lab sample ID numbers):

RESULTS OF VOLATILE ORGANIC ANALYSIS

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GS-BK-1-A**
Client Project ID: **399 Gregory St./190500196**

CAS Project ID: P2503239
CAS Sample ID: P2503239-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01021

Date Collected: 12/20/05
Date Received: 12/23/05
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -0.9 Pf 1 = 3.5
Can D.F. = 1.32

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	**0.89**	0.66	**0.43**	0.32	
75-01-4	Vinyl Chloride	ND	0.66	ND	0.26	
74-83-9	Bromomethane	ND	0.66	ND	0.17	
75-00-3	Chloroethane	ND	0.66	ND	0.25	
67-64-1	Acetone	**14**	6.6	**5.8**	2.8	**M**
75-69-4	Trichlorofluoromethane	**1.2**	0.66	**0.22**	0.12	
75-35-4	1,1-Dichloroethene	ND	0.66	ND	0.17	
75-09-2	Methylene chloride	ND	0.66	ND	0.19	
76-13-1	Trichlorotrifluoroethane	ND	0.66	ND	0.086	
75-15-0	Carbon Disulfide	ND	0.66	ND	0.21	
156-60-5	trans-1,2-Dichloroethene	ND	0.66	ND	0.17	
75-34-3	1,1-Dichloroethane	ND	0.66	ND	0.16	
1634-04-4	Methyl tert-Butyl Ether	ND	0.66	ND	0.18	
78-93-3	2-Butanone (MEK)	**1.8**	0.66	**0.61**	0.22	
156-59-2	cis-1,2-Dichloroethene	ND	0.66	ND	0.17	
67-66-3	Chloroform	ND	0.66	ND	0.14	
107-06-2	1,2-Dichloroethane	ND	0.66	ND	0.16	
71-55-6	1,1,1-Trichloroethane	ND	0.66	ND	0.12	
71-43-2	Benzene	**0.98**	0.66	**0.31**	0.21	
56-23-5	Carbon Tetrachloride	ND	0.66	ND	0.10	
78-87-5	1,2-Dichloropropane	ND	0.66	ND	0.14	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference; results may be biased high.

Verified By: Ku Date: 1/9/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GS-BK-1-A**
Client Project ID: **399 Gregory St./190500196**

CAS Project ID: P2503239
CAS Sample ID: P2503239-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01021

Date Collected: 12/20/05
Date Received: 12/23/05
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -0.9 Pf 1 = 3.5
Can D.F. = 1.32

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	0.66	ND	0.099	
79-01-6	Trichloroethene	ND	0.66	ND	0.12	
10061-01-5	cis-1,3-Dichloropropene	ND	0.66	ND	0.15	
108-10-1	4-Methyl-2-pentanone	ND	0.66	ND	0.16	
10061-02-6	trans-1,3-Dichloropropene	ND	0.66	ND	0.15	
79-00-5	1,1,2-Trichloroethane	ND	0.66	ND	0.12	
108-88-3	Toluene	**3.5**	0.66	**0.93**	0.18	
591-78-6	2-Hexanone	ND	0.66	ND	0.16	
124-48-1	Dibromochloromethane	ND	0.66	ND	0.078	
106-93-4	1,2-Dibromoethane	ND	0.66	ND	0.086	
127-18-4	Tetrachloroethene	ND	0.66	ND	0.097	
108-90-7	Chlorobenzene	ND	0.66	ND	0.14	
100-41-4	Ethylbenzene	ND	0.66	ND	0.15	
179601-23-1	*m,p* -Xylenes	**1.5**	1.3	**0.35**	0.30	
75-25-2	Bromoform	ND	0.66	ND	0.064	
100-42-5	Styrene	ND	0.66	ND	0.16	
95-47-6	o-Xylene	ND	0.66	ND	0.15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.66	ND	0.096	
541-73-1	1,3-Dichlorobenzene	ND	0.66	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.66	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.66	ND	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 1/19/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GS-BA-1-A**
Client Project ID: **399 Gregory St./190500196**

CAS Project ID: P2503239
CAS Sample ID: P2503239-003

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01124

Date Collected: 12/20/05
Date Received: 12/23/05
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -0.7 Pf 1 = 3.5

Can D.F. = 1.30

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	**0.77**	0.65	**0.38**	0.31	
75-01-4	Vinyl Chloride	ND	0.65	ND	0.25	
74-83-9	Bromomethane	ND	0.65	ND	0.17	
75-00-3	Chloroethane	ND	0.65	ND	0.25	
67-64-1	Acetone	**28**	6.5	**12**	2.7	**M**
75-69-4	Trichlorofluoromethane	**1.2**	0.65	**0.22**	0.12	
75-35-4	1,1-Dichloroethene	ND	0.65	ND	0.16	
75-09-2	Methylene chloride	ND	0.65	ND	0.19	
76-13-1	Trichlorotrifluoroethane	ND	0.65	ND	0.085	
75-15-0	Carbon Disulfide	ND	0.65	ND	0.21	
156-60-5	trans-1,2-Dichloroethene	ND	0.65	ND	0.16	
75-34-3	1,1-Dichloroethane	ND	0.65	ND	0.16	
1634-04-4	Methyl tert-Butyl Ether	ND	0.65	ND	0.18	
78-93-3	2-Butanone (MEK)	**2.5**	0.65	**0.86**	0.22	
156-59-2	cis-1,2-Dichloroethene	ND	0.65	ND	0.16	
67-66-3	Chloroform	ND	0.65	ND	0.13	
107-06-2	1,2-Dichloroethane	ND	0.65	ND	0.16	
71-55-6	1,1,1-Trichloroethane	ND	0.65	ND	0.12	
71-43-2	Benzene	**0.87**	0.65	**0.27**	0.20	
56-23-5	Carbon Tetrachloride	ND	0.65	ND	0.10	
78-87-5	1,2-Dichloropropane	ND	0.65	ND	0.14	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
M = Matrix interference; results may be biased high.

Verified By: RC Date: 1/19/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GS-BA-1-A**
Client Project ID: **399 Gregory St./190500196**

CAS Project ID: P2503239
CAS Sample ID: P2503239-003

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01124

Date Collected: 12/20/05
Date Received: 12/23/05
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -0.7 Pf 1 = 3.5
Can D.F. = 1.30

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	0.65	ND	0.097	
79-01-6	Trichloroethene	ND	0.65	ND	0.12	
10061-01-5	cis-1,3-Dichloropropene	ND	0.65	ND	0.14	
108-10-1	4-Methyl-2-pentanone	ND	0.65	ND	0.16	
10061-02-6	trans-1,3-Dichloropropene	ND	0.65	ND	0.14	
79-00-5	1,1,2-Trichloroethane	ND	0.65	ND	0.12	
108-88-3	Toluene	**2.2**	0.65	**0.58**	0.17	
591-78-6	2-Hexanone	ND	0.65	ND	0.16	
124-48-1	Dibromochloromethane	ND	0.65	ND	0.076	
106-93-4	1,2-Dibromoethane	ND	0.65	ND	0.085	
127-18-4	Tetrachloroethene	ND	0.65	ND	0.096	
108-90-7	Chlorobenzene	ND	0.65	ND	0.14	
100-41-4	Ethylbenzene	ND	0.65	ND	0.15	
179601-23-1	*m,p*-Xylenes	ND	1.3	ND	0.30	
75-25-2	Bromoform	ND	0.65	ND	0.063	
100-42-5	Styrene	ND	0.65	ND	0.15	
95-47-6	o-Xylene	ND	0.65	ND	0.15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.65	ND	0.095	
541-73-1	1,3-Dichlorobenzene	ND	0.65	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.65	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.65	ND	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 1/19/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GS-BA-2-A**
Client Project ID: **399 Gregory St./190500196**

CAS Project ID: P2503239
CAS Sample ID: P2503239-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01027

Date Collected: 12/20/05
Date Received: 12/23/05
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -2.2 Pf 1 = 3.5

Can D.F. = 1.46

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.71	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.57	
74-83-9	Bromomethane	ND	1.5	ND	0.38	
75-00-3	Chloroethane	ND	1.5	ND	0.55	
67-64-1	Acetone	**50**	15	**21**	6.1	
75-69-4	Trichlorofluoromethane	**1.5**	1.5	**0.26**	0.26	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.37	
75-09-2	Methylene chloride	ND	1.5	ND	0.42	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.19	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.47	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.37	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.36	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.41	
78-93-3	2-Butanone (MEK)	**3.2**	1.5	**1.1**	0.50	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.37	
67-66-3	Chloroform	ND	1.5	ND	0.30	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.36	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.27	
71-43-2	Benzene	ND	1.5	ND	0.46	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.23	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.32	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 1/19/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GS-BA-2-A**
Client Project ID: **399 Gregory St./190500196**

CAS Project ID: P2503239
CAS Sample ID: P2503239-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01027

Date Collected: 12/20/05
Date Received: 12/23/05
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -2.2 Pf 1 = 3.5

Can D.F. = 1.46

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.22	
79-01-6	Trichloroethene	ND	1.5	ND	0.27	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.32	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.36	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.32	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.27	
108-88-3	Toluene	**5.7**	1.5	**1.5**	0.39	
591-78-6	2-Hexanone	ND	1.5	ND	0.36	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.17	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.19	
127-18-4	Tetrachloroethene	ND	1.5	ND	0.22	
108-90-7	Chlorobenzene	ND	1.5	ND	0.32	
100-41-4	Ethylbenzene	ND	1.5	ND	0.34	
179601-23-1	*m,p* -Xylenes	ND	2.9	ND	0.67	
75-25-2	Bromoform	ND	1.5	ND	0.14	
100-42-5	Styrene	ND	1.5	ND	0.34	
95-47-6	o-Xylene	ND	1.5	ND	0.34	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.21	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.24	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.24	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.24	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 1/19/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **Method Blank**
Client Project ID: **399 Gregory St./190500196**

CAS Project ID: P2503239
CAS Sample ID: P060104-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 1/4/06
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	0.50	ND	0.24	
75-01-4	Vinyl Chloride	ND	0.50	ND	0.20	
74-83-9	Bromomethane	ND	0.50	ND	0.13	
75-00-3	Chloroethane	ND	0.50	ND	0.19	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	0.50	ND	0.089	
75-35-4	1,1-Dichloroethene	ND	0.50	ND	0.13	
75-09-2	Methylene chloride	ND	0.50	ND	0.14	
76-13-1	Trichlorotrifluoroethane	ND	0.50	ND	0.065	
75-15-0	Carbon Disulfide	ND	0.50	ND	0.16	
156-60-5	trans-1,2-Dichloroethene	ND	0.50	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.50	ND	0.12	
1634-04-4	Methyl tert-Butyl Ether	ND	0.50	ND	0.14	
78-93-3	2-Butanone (MEK)	ND	0.50	ND	0.17	
156-59-2	cis-1,2-Dichloroethene	ND	0.50	ND	0.13	
67-66-3	Chloroform	ND	0.50	ND	0.10	
107-06-2	1,2-Dichloroethane	ND	0.50	ND	0.12	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ND	0.092	
71-43-2	Benzene	ND	0.50	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.50	ND	0.080	
78-87-5	1,2-Dichloropropane	ND	0.50	ND	0.11	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 1/19/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **Method Blank**
Client Project ID: **399 Gregory St./190500196**

CAS Project ID: P2503239
CAS Sample ID: P060104-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 1/4/06
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	0.50	ND	0.075	
79-01-6	Trichloroethene	ND	0.50	ND	0.093	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ND	0.11	
108-10-1	4-Methyl-2-pentanone	ND	0.50	ND	0.12	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ND	0.092	
108-88-3	Toluene	ND	0.50	ND	0.13	
591-78-6	2-Hexanone	ND	0.50	ND	0.12	
124-48-1	Dibromochloromethane	ND	0.50	ND	0.059	
106-93-4	1,2-Dibromoethane	ND	0.50	ND	0.065	
127-18-4	Tetrachloroethene	ND	0.50	ND	0.074	
108-90-7	Chlorobenzene	ND	0.50	ND	0.11	
100-41-4	Ethylbenzene	ND	0.50	ND	0.12	
179601-23-1	*m,p* -Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	0.50	ND	0.048	
100-42-5	Styrene	ND	0.50	ND	0.12	
95-47-6	o-Xylene	ND	0.50	ND	0.12	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ND	0.073	
541-73-1	1,3-Dichlorobenzene	ND	0.50	ND	0.083	
106-46-7	1,4-Dichlorobenzene	ND	0.50	ND	0.083	
95-50-1	1,2-Dichlorobenzene	ND	0.50	ND	0.083	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 1/19/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **Method Blank**
Client Project ID: **399 Gregory St./190500196**

CAS Project ID: P2503239
CAS Sample ID: P060105-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	0.50	ND	0.24	
75-01-4	Vinyl Chloride	ND	0.50	ND	0.20	
74-83-9	Bromomethane	ND	0.50	ND	0.13	
75-00-3	Chloroethane	ND	0.50	ND	0.19	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	0.50	ND	0.089	
75-35-4	1,1-Dichloroethene	ND	0.50	ND	0.13	
75-09-2	Methylene chloride	ND	0.50	ND	0.14	
76-13-1	Trichlorotrifluoroethane	ND	0.50	ND	0.065	
75-15-0	Carbon Disulfide	ND	0.50	ND	0.16	
156-60-5	trans-1,2-Dichloroethene	ND	0.50	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.50	ND	0.12	
1634-04-4	Methyl tert-Butyl Ether	ND	0.50	ND	0.14	
78-93-3	2-Butanone (MEK)	ND	0.50	ND	0.17	
156-59-2	cis-1,2-Dichloroethene	ND	0.50	ND	0.13	
67-66-3	Chloroform	ND	0.50	ND	0.10	
107-06-2	1,2-Dichloroethane	ND	0.50	ND	0.12	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ND	0.092	
71-43-2	Benzene	ND	0.50	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.50	ND	0.080	
78-87-5	1,2-Dichloropropane	ND	0.50	ND	0.11	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 1/19/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **Method Blank**
Client Project ID: **399 Gregory St./190500196**

CAS Project ID: P2503239
CAS Sample ID: P060105-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	0.50	ND	0.075	
79-01-6	Trichloroethene	ND	0.50	ND	0.093	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ND	0.11	
108-10-1	4-Methyl-2-pentanone	ND	0.50	ND	0.12	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ND	0.092	
108-88-3	Toluene	ND	0.50	ND	0.13	
591-78-6	2-Hexanone	ND	0.50	ND	0.12	
124-48-1	Dibromochloromethane	ND	0.50	ND	0.059	
106-93-4	1,2-Dibromoethane	ND	0.50	ND	0.065	
127-18-4	Tetrachloroethene	ND	0.50	ND	0.074	
108-90-7	Chlorobenzene	ND	0.50	ND	0.11	
100-41-4	Ethylbenzene	ND	0.50	ND	0.12	
179601-23-1	*m,p*-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	0.50	ND	0.048	
100-42-5	Styrene	ND	0.50	ND	0.12	
95-47-6	o-Xylene	ND	0.50	ND	0.12	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ND	0.073	
541-73-1	1,3-Dichlorobenzene	ND	0.50	ND	0.083	
106-46-7	1,4-Dichlorobenzene	ND	0.50	ND	0.083	
95-50-1	1,2-Dichlorobenzene	ND	0.50	ND	0.083	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 1/19/06

CHAIN OF CUSTODY RECORDS

Columbia Analytical Services, Inc.

Air Quality Laboratory
2665 Park Center Drive, Suite D
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

Chain of Custody Record & Analytical Service Request

Requested Turnaround Time by Close of Business Day (Surcharges) Please Circle:
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (15%) 10 Day-Standard

CAS Project No.: P250323Q

CAS Contact:

Reporting Information (Company Name & Address)
Stantec
2250 Corporate Park Dr Suite 300
Rochester, NY 14623

Attention: Peter Smith

P.O. # / Billing Information

Project Name: 379 Gregory Ct

Project Number: 190700196

Phone: 585-413-5631 Fax: 585-424-5951

Email Address for Result Reporting: ph.smith@stantec.com

Sampler (Print & Sign): Peter Smith

Analysis Method and/or Analytes

Client Sample ID	Date Collected	Time Collected	Lab Sample No.	Sample Type (Air/Liquid /Solid/Tube)	Canister ID (Bar Code#)	Flow Controller (Bar Code #)	Sample Volume	TO-15 full list	hexanes			Comments e.g. Preservative or specific instructions
GS-SG-1-A	12/29/05	1045	(1)	air	AC00971	6-2-12	6 L	X	X		-28.6	Test bottle only check for leaks
GS-BK-1-A		1047	(2)	air	AC00921	FC00028	6 L	X			-1.9	
GS-BA-1-A		1045	(3)	air	AC01134	FC00907	6 L	X			-1.4	
GS-BA-2-A	↓	1021	(4)	air	AC01027	FC00018	6 L	X			-4.5	

Report Tier Levels - please select
Tier I - (default if not specified) ____
Tier II (QC forms) A
Tier III (QC, Raw Data, Spectra) 10% Surcharge ____
Other ELP Diskette

EDD required Yes / No
Type: ____

Project Requirements (MRLs, QAPP)
1.0 ug/m3 RL

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	12/30/05	1200	[signature]	12/2/05	1000
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature ____ °C 9139

E

SITE INVESTIGATION REPORT
DAVIDSON'S COLLISION
Site #828091
City of Rochester, Monroe County

Prepared for:

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Prepared by:

Frank Sowers, P.E.
Environmental Engineer 1
New York State Department of Environmental Conservation
Division of Environmental Remediation
Region 8
6274 East Avon-Lima Road
Avon, NY 14414

March 2003

FIGURES

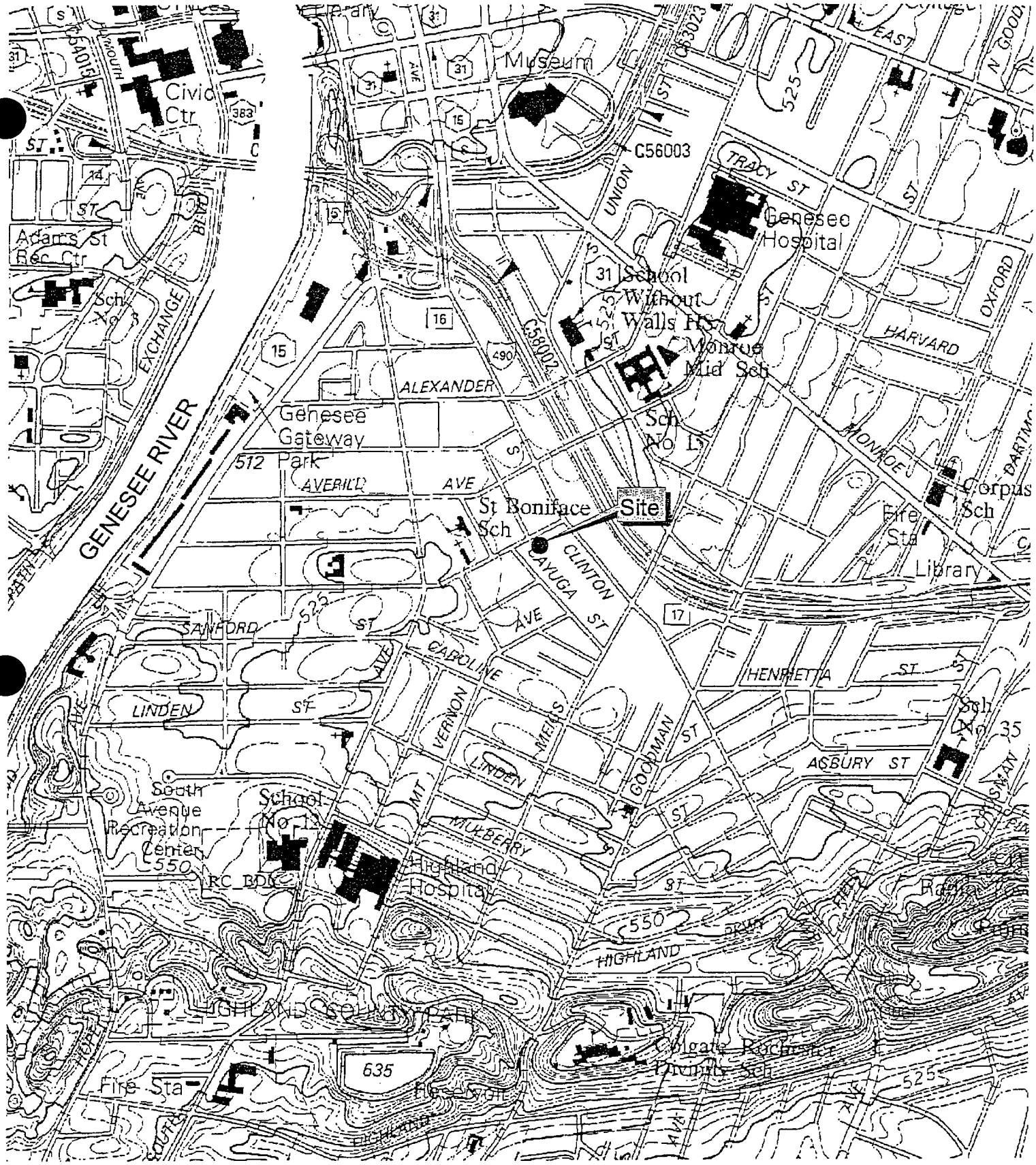
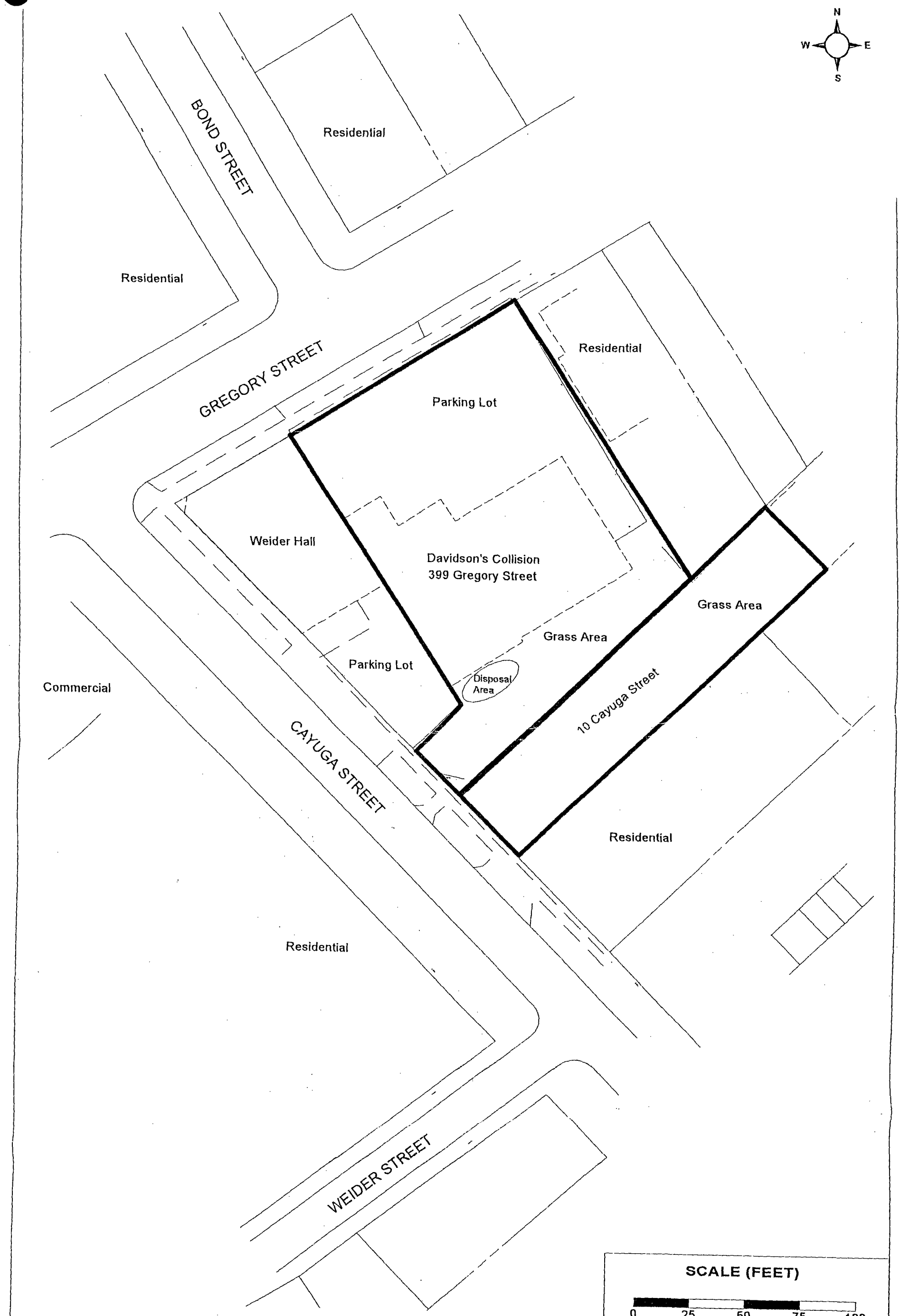
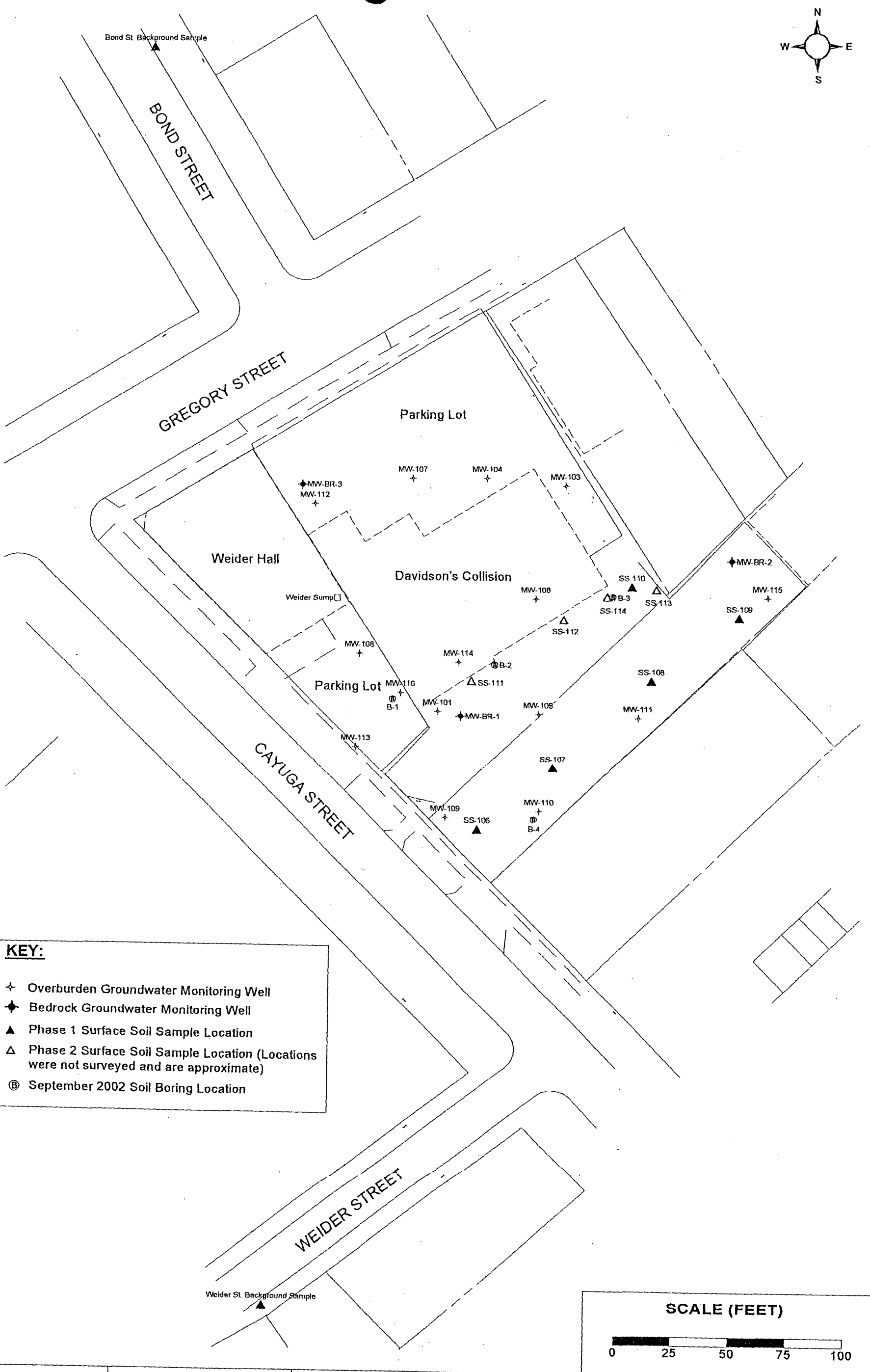


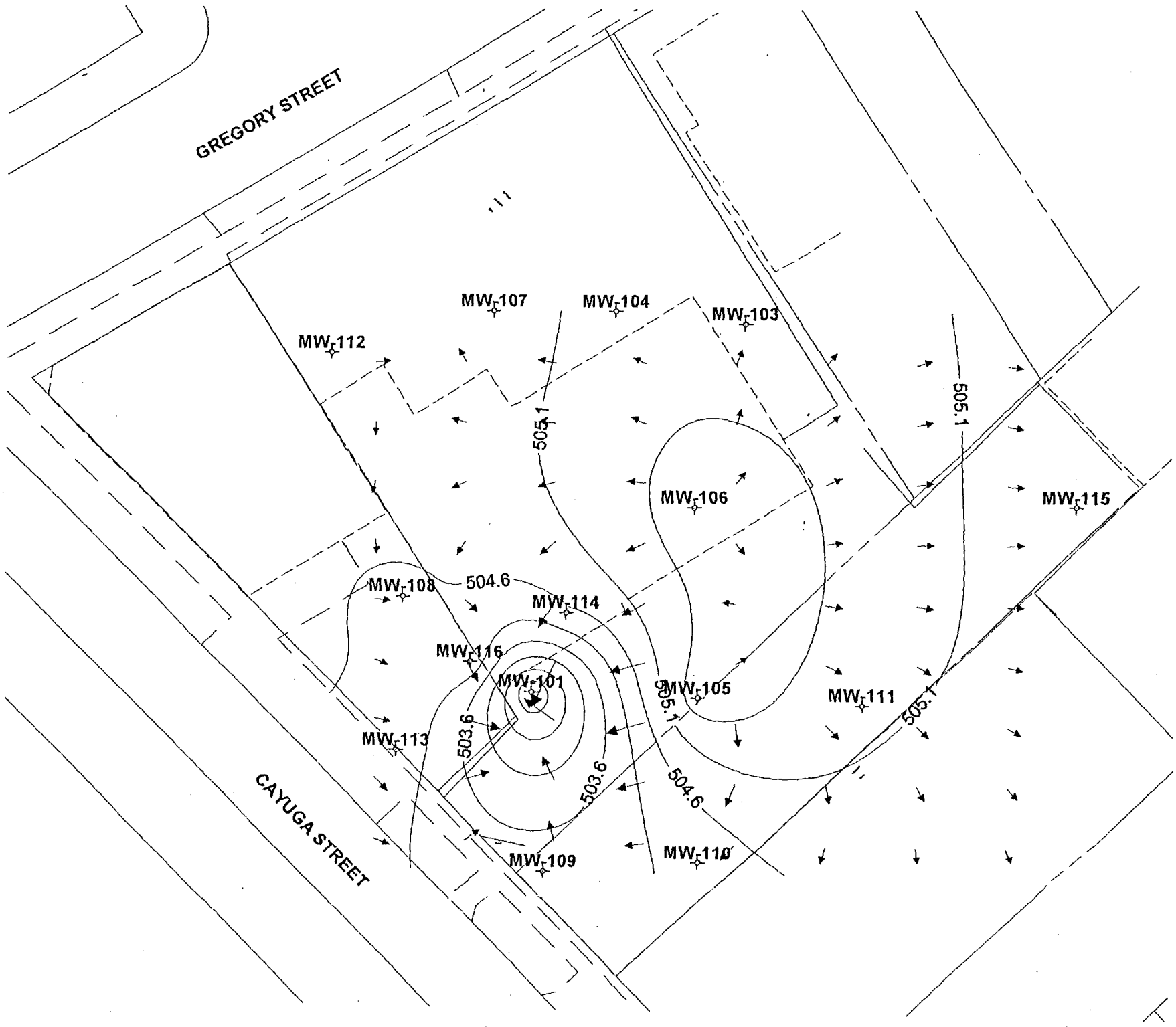
Figure 1: Davidson's Collision - General Area Map



Project: Davidson's Collision Site #828091 City of Rochester County of Monroe State of New York	NYSDEC Project Manager: Frank Sowers, P.E. Date: February 25, 2003	**Figure 2.** **2000-2002 NYSDEC Site Investigation** **Davidson's Collision Site Map**	Base map by Lu Engineers, April 16, 2001 Revisions by Frank Sowers, P.E.



Project: Davidson's Collision Site #828091 City of Rochester County of Monroe State of New York	NYSDEC Project Manager: Frank Sowers, P.E. Date: February 25, 2003	**Figure 3.** **2000-2002 NYSDEC Site Investigation Sample Point Locations (excluding soil gas samples)**	Base map by Lu Engineers, April 16, 2001 Revisions by Frank Sowers, P.E.



Sample Point	Depth to Water from Riser (ft)	Groundwater Elevation (ft)
MW-116	12.11	504.55
MW-108	11.35	504.5
MW-113	7.88	504.45
MW-101	11.71	501.6
MW-109	8.1	503.87
MW-110	7.92	504.26
MW-111	7.35	505.23
MW-105	6.7	505.88
MW-115	11.49	504.7
MW-103	7.53	505.33
MW-106	7.7	505.84
MW-114	9.03	504.52
MW-104	8.11	505.43
MW-107	8.55	504.68
MW-112	8.77	504.87

KEY:

✧ Overburden Groundwater Monitoring Well

Scale (feet)

0 25 50 75 100

Project:
Davidson's Collision
Site #828091

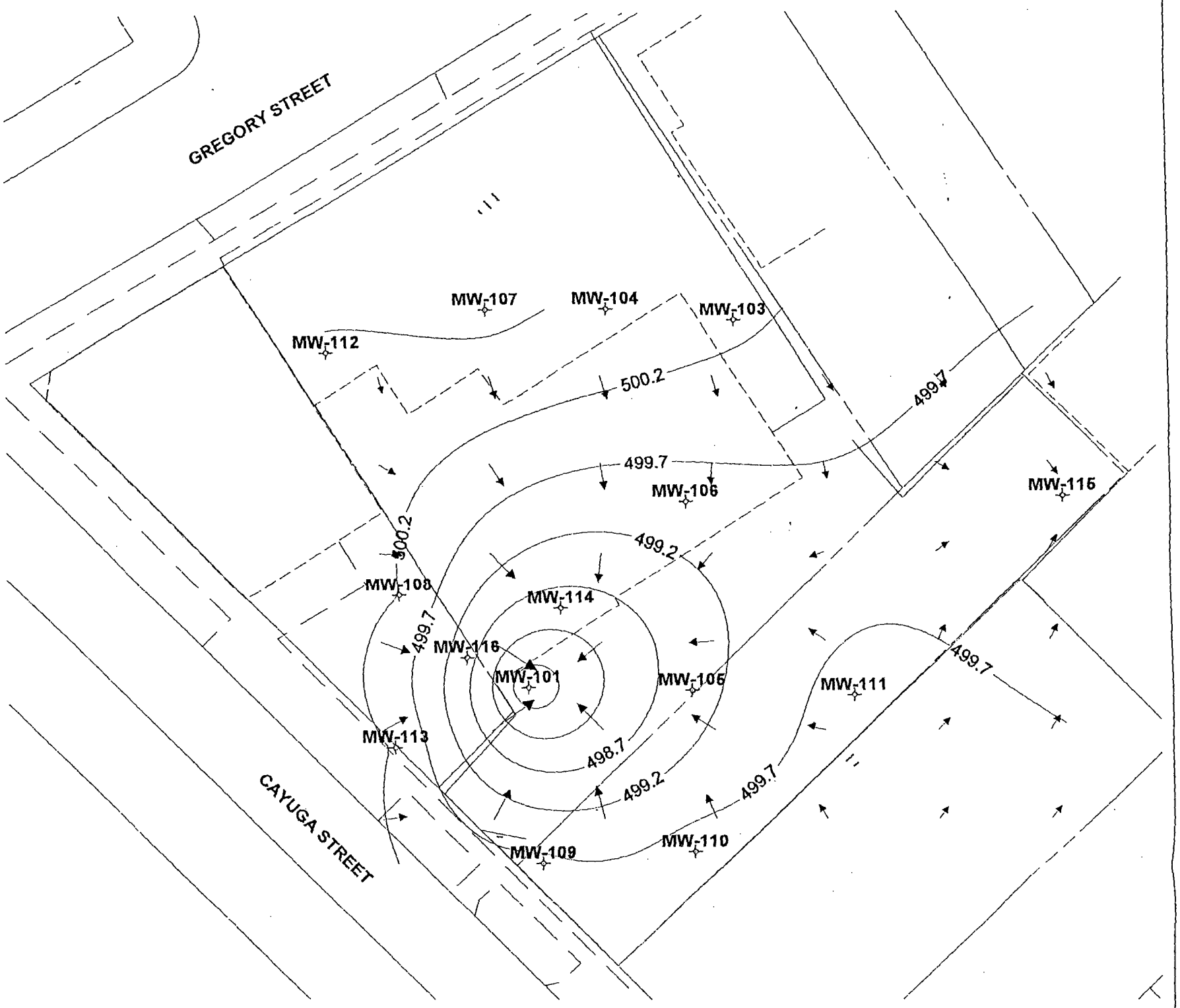
City of Rochester
County of Monroe
State of New York

NYSDEC Project Manager:
Frank Sowers, P.E.

Date:
February 25, 2003

Figure 4.
2000-2002 NYSDEC Site Investigation
Overburden Groundwater Contours
April 23, 2001

Base map by
Lu Engineers, April 16, 2001
Revisions by Frank Sowers, P.E.



Sample Point	Depth to Water from Riser (ft)	Groundwater Elevation (ft)
MW-116	17.78	498.88
MW-108	15.65	500.2
MW-113	12.17	500.16
MW-101	15.99	497.32
MW-109	12.17	499.8
MW-110	12.25	499.93
MW-111	12.68	499.9
MW-105	dry	NA
MW-115	16.92	499.27
MW-103	12.55	500.31
MW-106	dry	NA
MW-114	dry	NA
MW-104	12.92	500.62
MW-107	12.4	500.83
MW-112	12.99	500.65

KEY:

✧ Overburden Groundwater Monitoring Well

Scale (feet)

0 25 50 75 100

Project:
Davidson's Collision
Site #828091

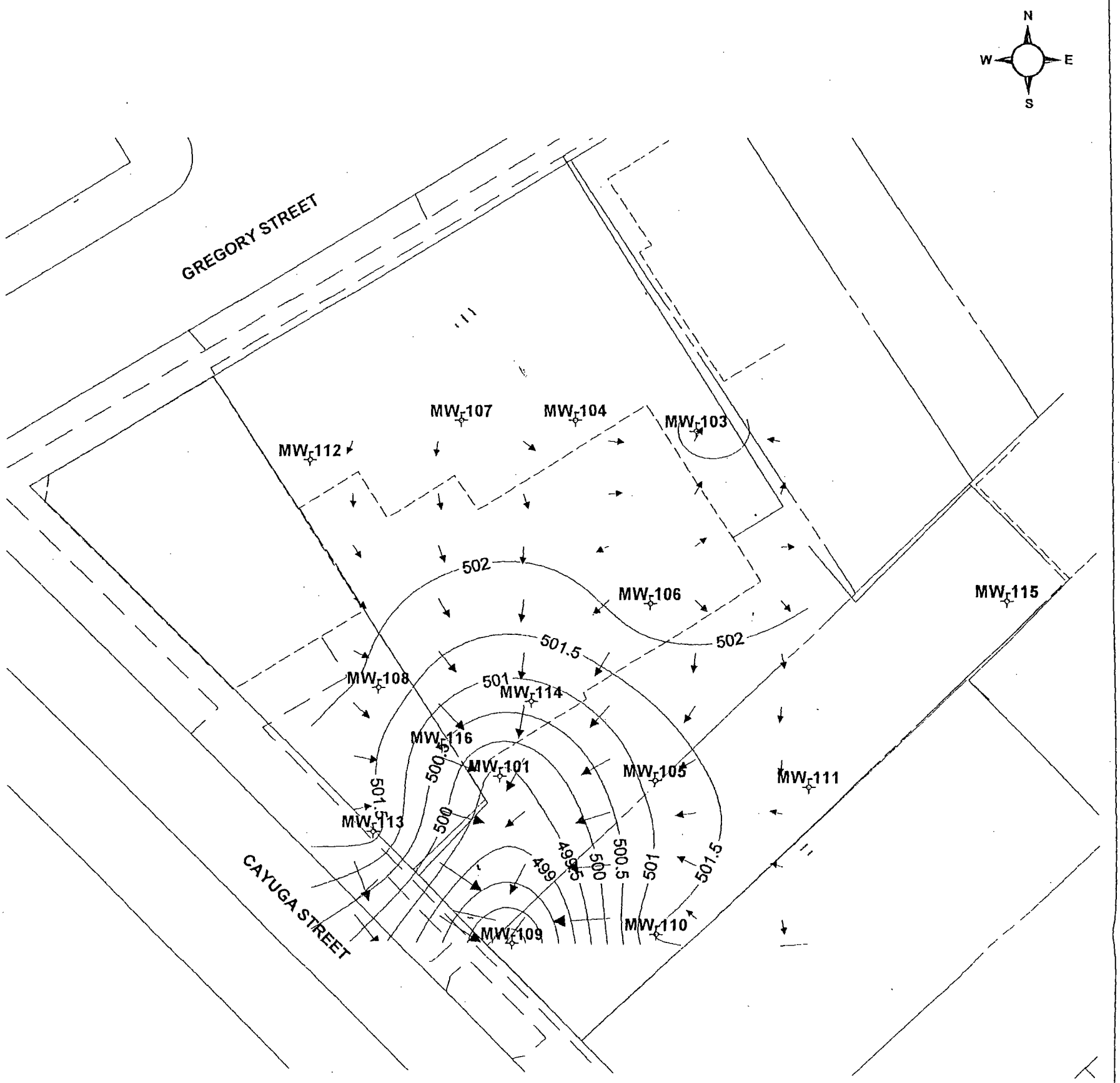
City of Rochester
County of Monroe
State of New York

NYSDEC Project Manager:
Frank Sowers, P.E.

Date:
February 25, 2003

Figure 5.
2000-2002 NYSDEC Site Investigation
Overburden Groundwater Contours
September 11, 2001

Base map by
Lu Engineers, April 16, 2001
Revisions by Frank Sowers, P.E.



Sample Point	Depth to Water from Riser (ft)	Groundwater Elevation (ft)
MW-116	16.2	500.46
MW-108	13.95	501.9
MW-113	10.6	501.73
MW-101	14	499.31
MW-109	14.87	497.1
MW-110	10.61	501.57
MW-111	10.99	501.59
MW-105	11.39	501.19
MW-115	dry	NA
MW-103	10.92	501.94
MW-106	11.26	502.28
MW-114	Not Accessible	NA
MW-104	11.28	502.26
MW-107	10.73	502.5
MW-112	11.29	502.35

KEY:

✧ Overburden Groundwater Monitoring Well

Project:
Davidson's Collision
Site #828091

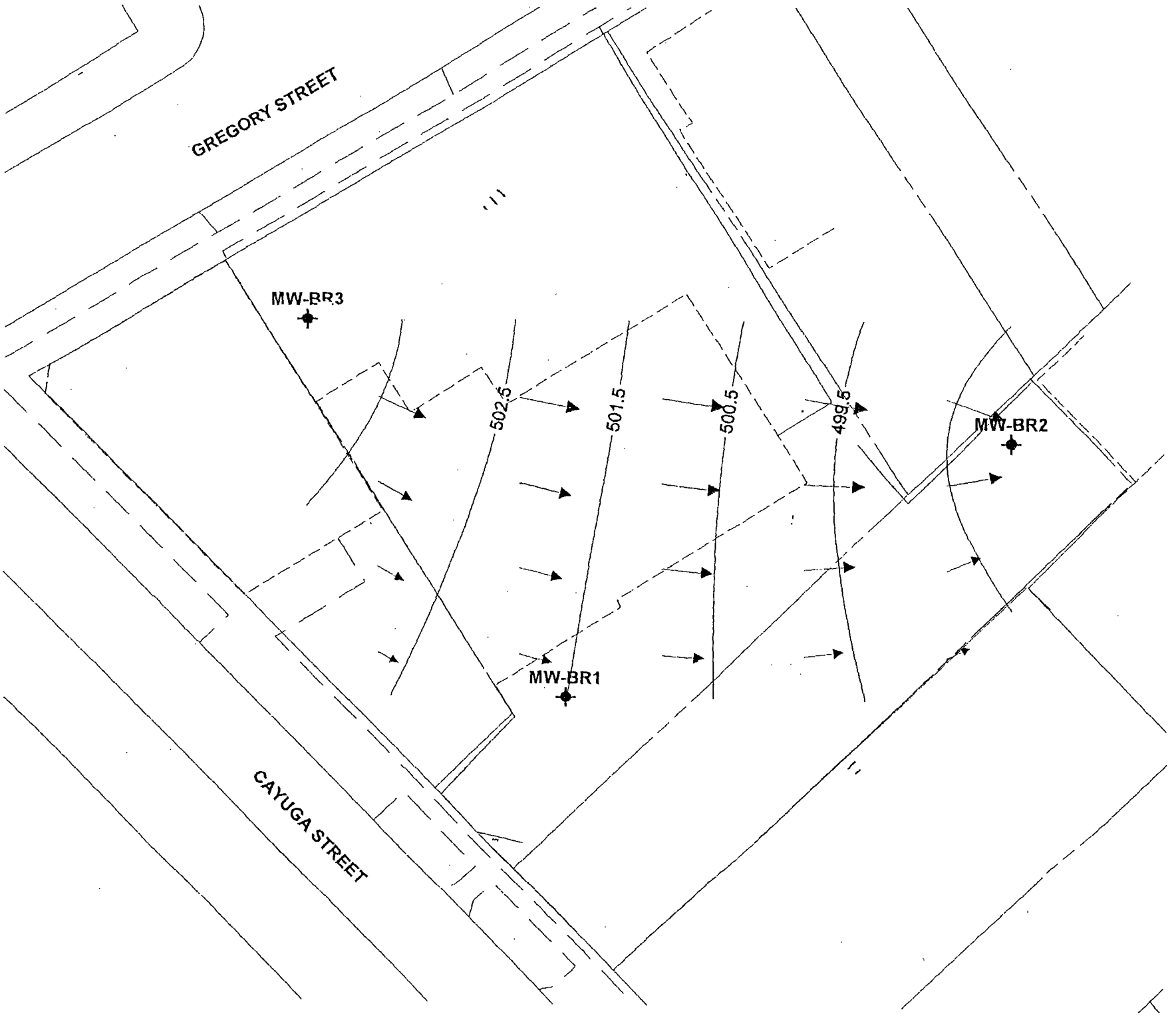
City of Rochester
County of Monroe
State of New York

NYSDEC Project Manager:
Frank Sowers, P.E.

Date:
February 25, 2003

Figure 6.
2000-2002 NYSDEC Site Investigation
Overburden Groundwater Contours
January 29, 2002

Base map by
Lu Engineers, April 16, 2001
Revisions by Frank Sowers, P.E.



Sample Point	Depth to Water from Riser (ft)	Groundwater Elevation (ft)
MW-BR1	11.8	501.51
MW-BR2	15.6	497.92
MW-BR3	9.45	504.33

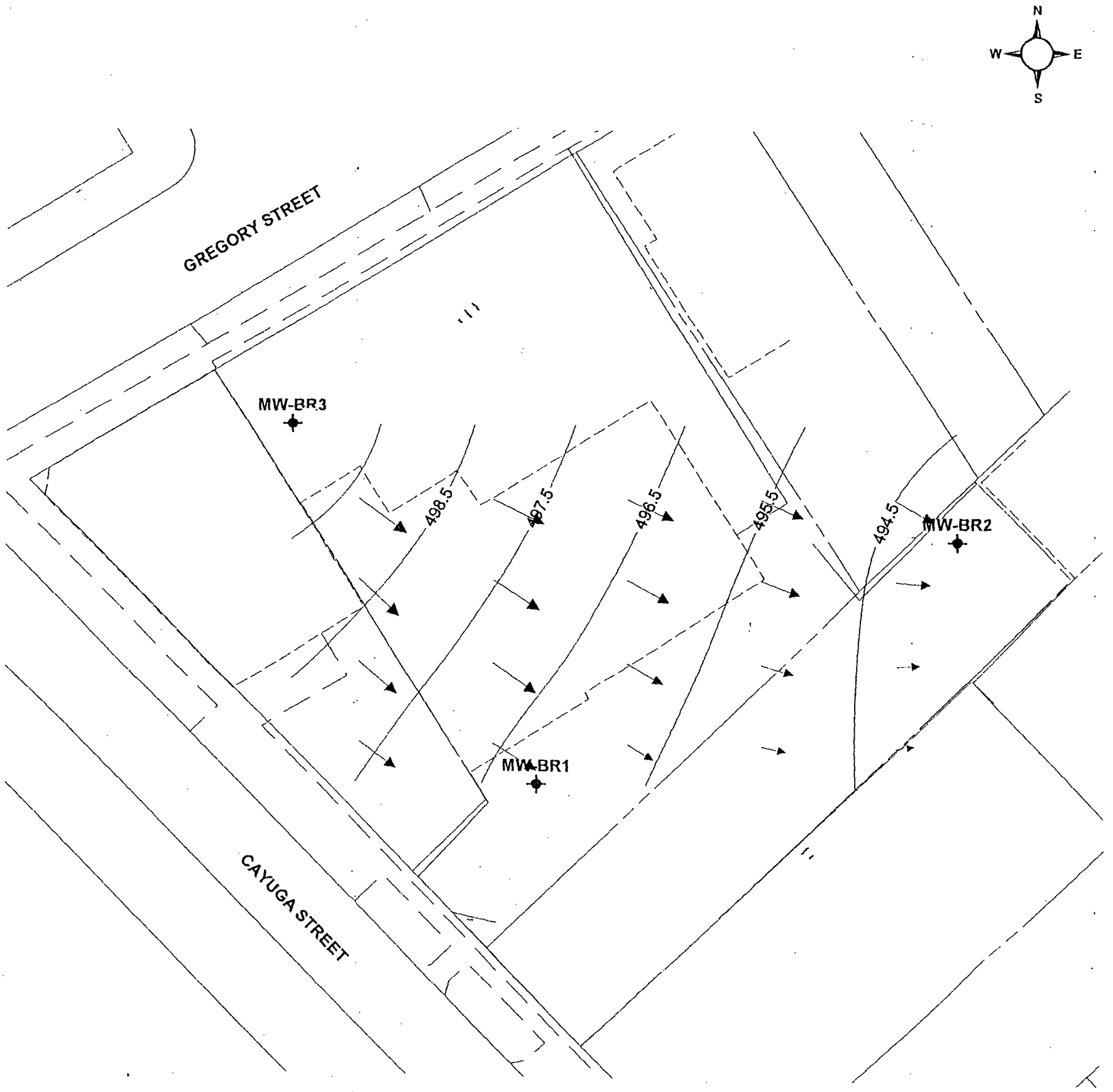
KEY:

✦ Shallow Bedrock Groundwater Monitoring Well

Scale (feet)

0 25 50 75 100

Project: Davidson's Collision Site #828091 City of Rochester County of Monroe State of New York	NYSDEC Project Manager: Frank Sowers, P.E. Date: February 26, 2003	**Figure 7.** **2000-2002 NYSDEC Site Investigation** **Shallow Bedrock Groundwater Contours** **April 23, 2001**	Base map by Lu Engineers, April 16, 2001 Revisions by Frank Sowers, P.E.



Sample Point	Depth to Water from Riser (ft)	Groundwater Elevation (ft)
MW-BR1	17.3	496.01
MW-BR2	19.65	493.87
MW-BR3	13.3	500.48

KEY:

✦ Shallow Bedrock Groundwater Monitoring Well

Scale (feet)

0 25 50 75 100

Project:
Davidson's Collision
Site #828091

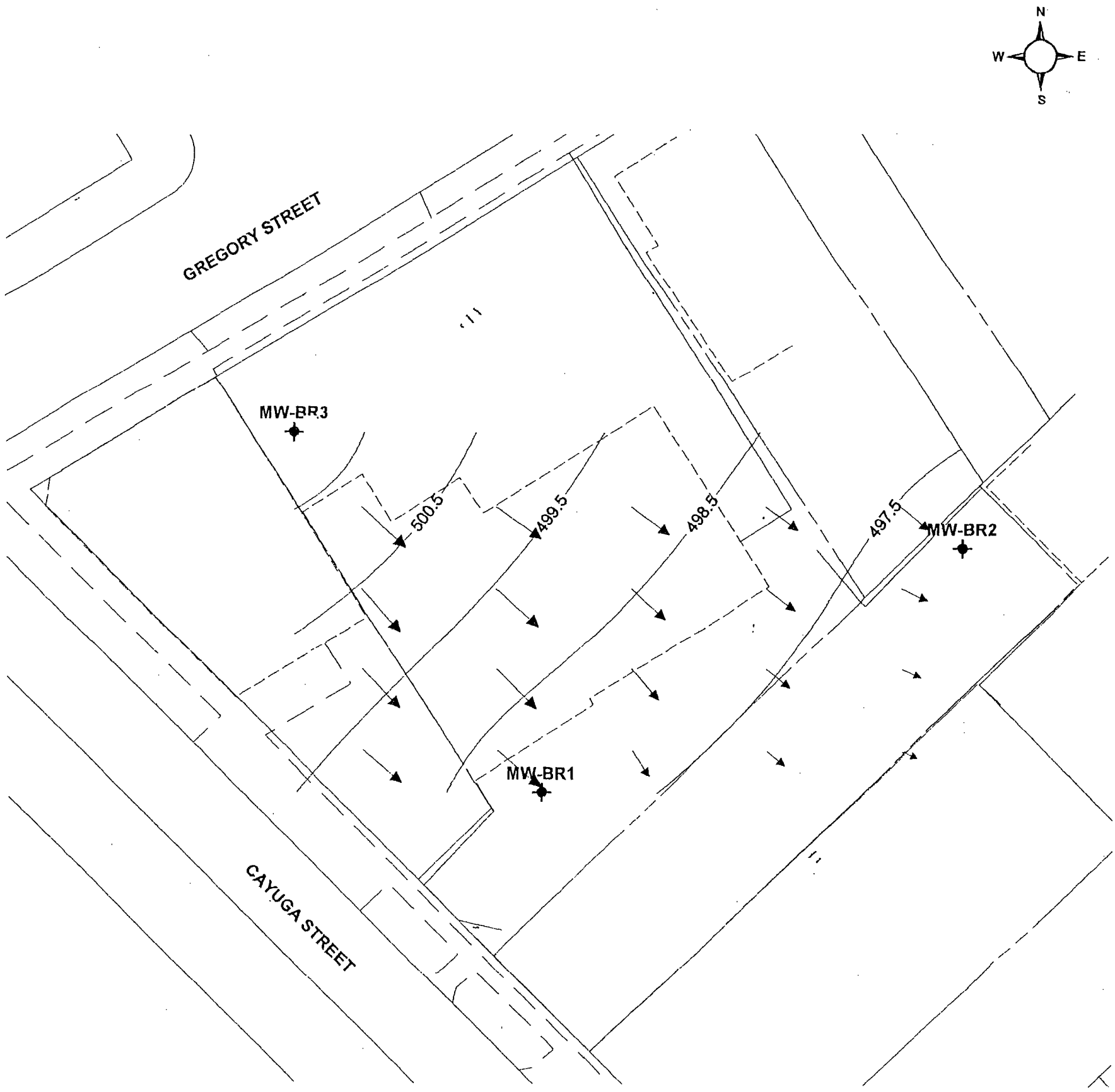
City of Rochester
County of Monroe
State of New York

NYSDEC Project Manager:
Frank Sowers, P.E.

Date:
February 26, 2003

Figure 8.
2000-2002 NYSDEC Site Investigation
Shallow Bedrock Groundwater Contours
September 11, 2001

Base map by
Lu Engineers, April16, 2001
Revisions by Frank Sowers, P.E.



Sample Point	Depth to Water from Riser (ft)	Groundwater Elevation (ft)
MW-BR1	15.59	497.72
MW-BR2	16.5	497.02
MW-BR3	11.6	502.18

KEY:

✦ Shallow Bedrock Groundwater Monitoring Well

Scale (feet)

0 25 50 75 100

Project:
Davidson's Collision
Site #828091

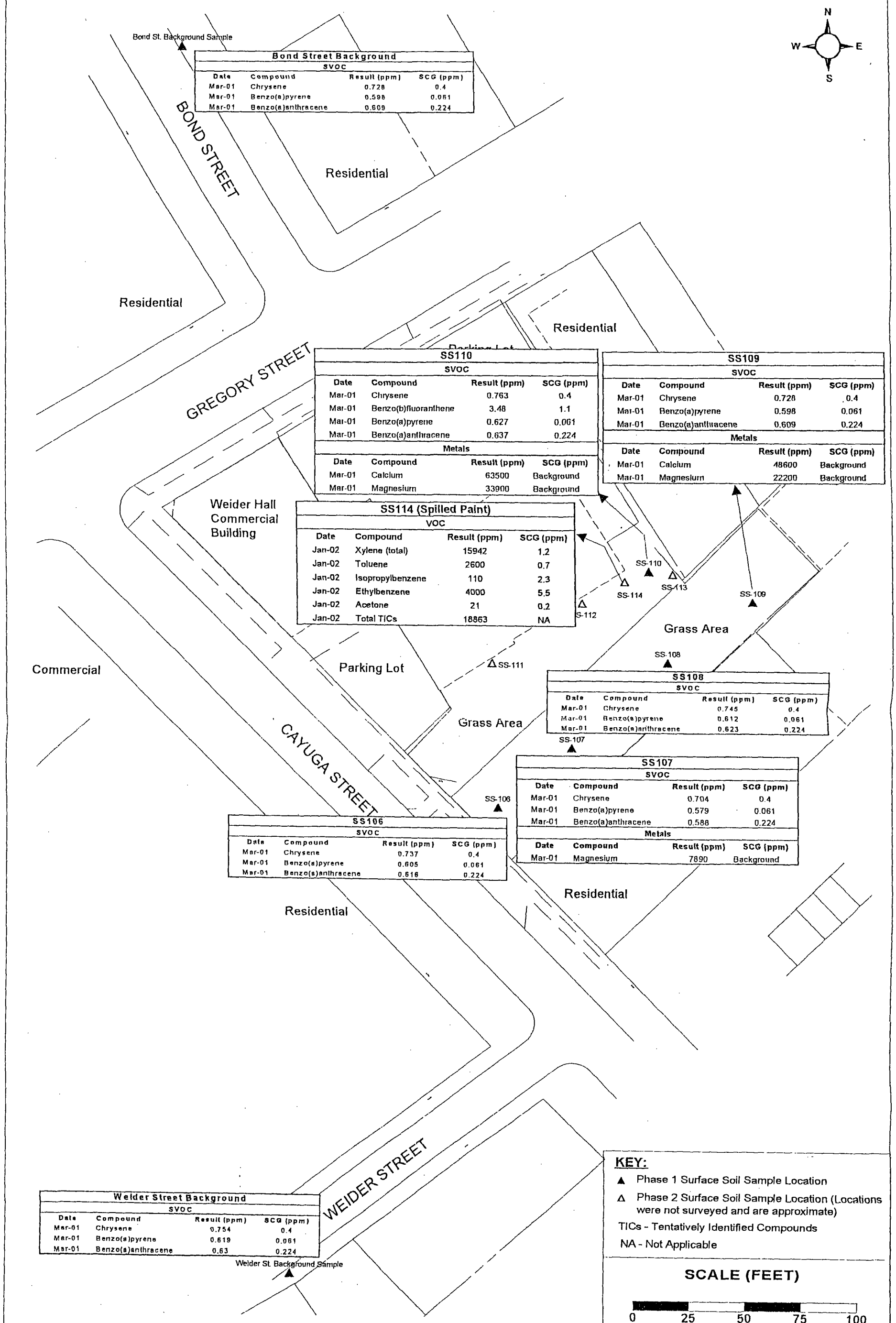
City of Rochester
County of Monroe
State of New York

NYSDEC Project Manager:
Frank Sowers, P.E.

Date:
February 26, 2003

Figure 9.
2000-2002 NYSDEC Site Investigation
Shallow Bedrock Groundwater Contours
January 29, 2002

Base map by
Lu Engineers, April 16, 2001
Revisions by Frank Sowers, P.E.



Project:
Davidson's Collision
Site #828091

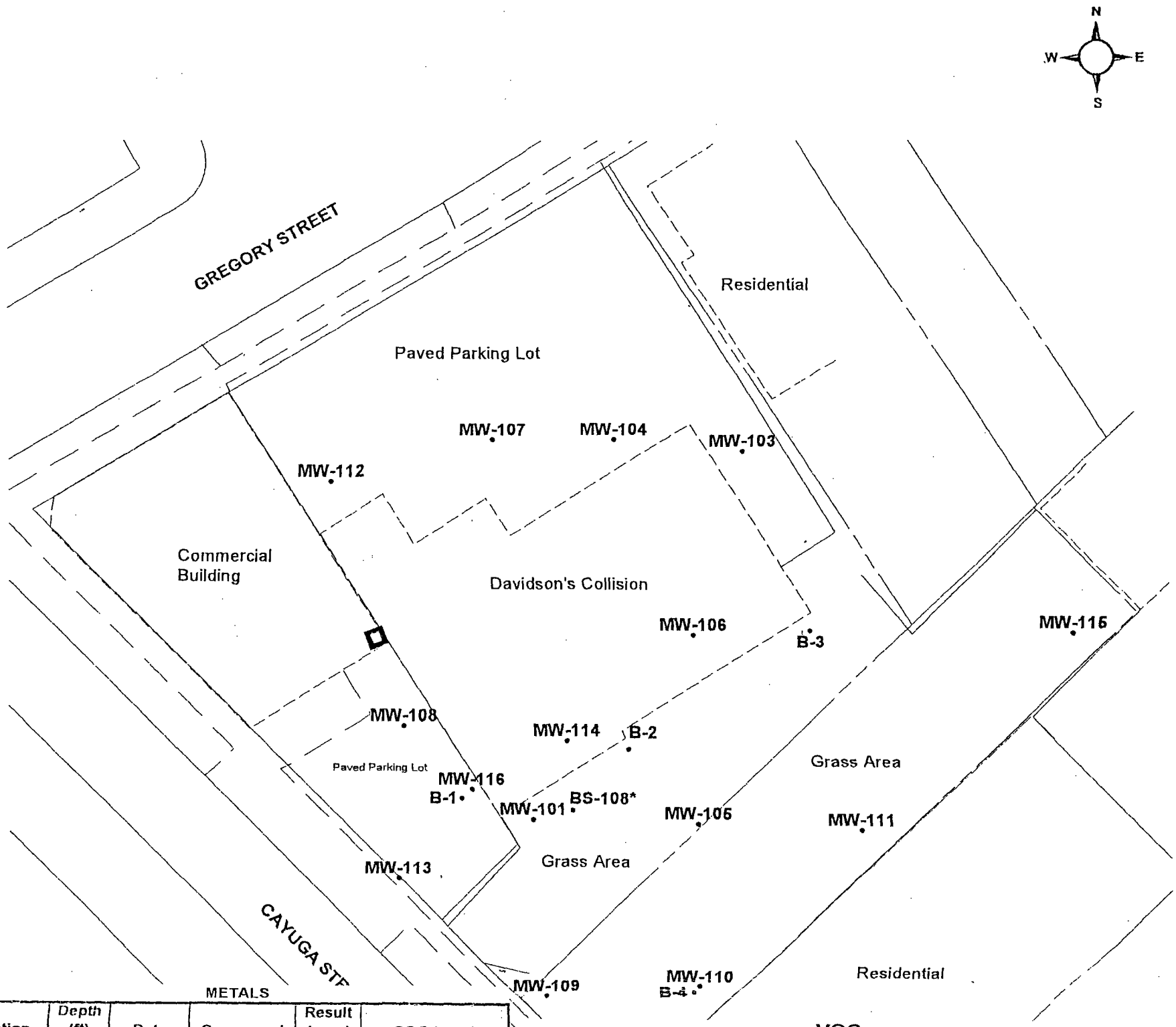
City of Rochester
County of Monroe
State of New York

NYSDEC Project Manager:
Frank Sowers, P.E.

Date:
February 26, 2003

Figure 10.
2000-2002 NYSDEC Site Investigation
Surface Soil Concentrations
Exceeding SCGs Plus TICs

Base map by
Lu Engineers, April 16, 2001
Revisions by Frank Sowers, P.E.



METALS

Location	Depth (ft)	Date	Compound	Result (ppm)	SCG (ppm)
MW-105	6-8	03/08/01	Antimony	45.8	Background
			Arsenic	112	7.5 or background
			Beryllium	3.26	0.16 or background
			Calcium	94500	Background
			Magnesium	20900	Background
			Nickel	44	13 or background
			Selenium	94.5	2 or background
			Silver	3	Background
			Thallium	119	Background
MW-106	6-8	03/29/01	Magnesium	8380	Background
MW-107	12-14	03/09/01	Antimony	3.55	Background
			Calcium	86600	Background
			Magnesium	27800	Background
MW-108	6-8	03/15/01	Antimony	3.45	Background
			Calcium	41300	Background
			Magnesium	19000	Background
			Selenium	9.24	2 or background
MW-110	6-8	03/07/01	Calcium	59400	Background
			Magnesium	13300	Background
	8-10	03/07/01	Magnesium	28600	Background
MW-111	8-10	03/06/01	Magnesium	6890	Background
MW-112	6-8	03/08/01	Magnesium	8600	Background
	12-14	03/08/01	Calcium	51400	Background
			Magnesium	15400	Background
MW-114	8-11	03/30/01	Calcium	53000	Background
			Magnesium	20100	Background
MW-115	6-8	03/06/01	Calcium	37200	Background
			Magnesium	9580	Background
MW-116	8-11	03/29/01	Calcium	47400	Background
			Magnesium	11500	Background
	12-14	03/29/01	Calcium	65100	Background
			Magnesium	17200	Background

VOCs

Location	Depth (ft)	Date	Compound	Result (ppb)	SCG (ppb)
MW-101*	6-8	10/25/94	Ethylbenzene	59000	5500
			Toluene	230000	700
			Trichloroethene	1800	700
			Xylene (total)	310000	1200
BS-108*	8-10	10/25/94	Toluene	15000	700
			Xylene (total)	13000	1200
B-1	9-10	09/25/02	Total TICs	7550	Not Applicable
	10-11	09/25/02	Total TICs	10460	Not Applicable
	12-14	09/25/02	Total TICs	5510	Not Applicable
	16-17.5	09/25/02	Total TICs	1064	Not Applicable

SVOCs

Location	Depth (ft)	Date	Compound	Result (ppm)	SCG (ppm)
MW-101*	6-8	10/25/94	4-Methylphenol	0.93	0.9
			2-Methylphenol	0.87	0.1
BS-108*	8-10	10/25/94	Butyl benzyl phthalate	260	50
MW-116	8-11	09/25/02	Napthalene	17.4	13

KEY:

TICs - Tentatively Identified Compounds

* - Data from August 1995, Preliminary Site Assessment Report

• - Soil Boring

Scale (feet)

0 25 50 75 100

Project:
Davidson's Collision
Site #828091

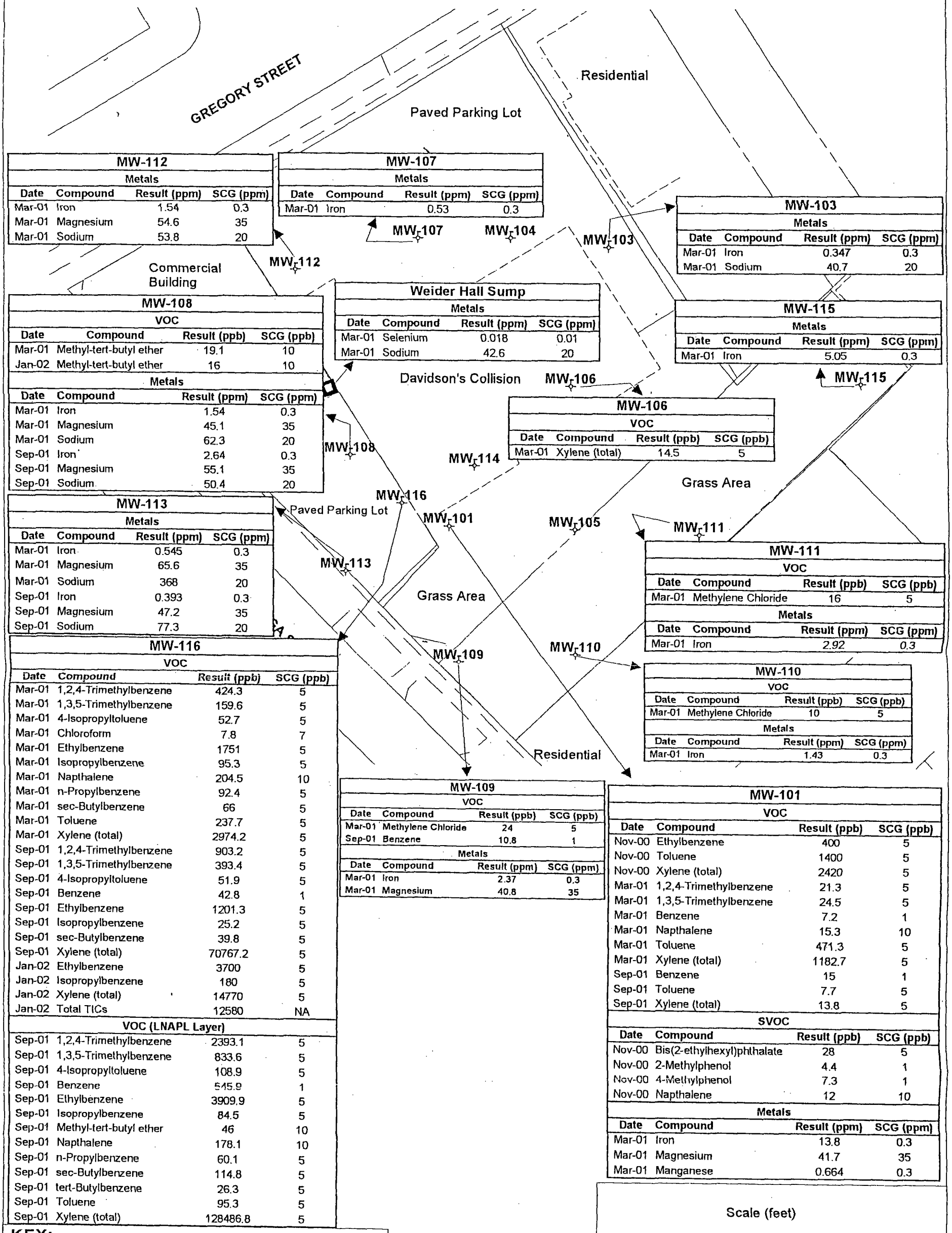
City of Rochester
County of Monroe
State of New York

NYSDEC Project Manager:
Frank Sowers, P.E.

Date:
February 26, 2003

Figure 11.
2000-2002 NYSDEC Site Investigation
Subsurface Soil Concentrations
Exceeding SCGs Plus TICs

Base map by
Lu Engineers, April 16, 2001
Revisions by Frank Sowers, P.E.



MW-112

Metals

Date	Compound	Result (ppm)	SCG (ppm)
Mar-01	Iron	1.54	0.3
Mar-01	Magnesium	54.6	35
Mar-01	Sodium	53.8	20

MW-107

Metals

Date	Compound	Result (ppm)	SCG (ppm)
Mar-01	Iron	0.53	0.3

MW-103

Metals

Date	Compound	Result (ppm)	SCG (ppm)
Mar-01	Iron	0.347	0.3
Mar-01	Sodium	40.7	20

Weider Hall Sump

Metals

Date	Compound	Result (ppm)	SCG (ppm)
Mar-01	Selenium	0.018	0.01
Mar-01	Sodium	42.6	20

MW-115

Metals

Date	Compound	Result (ppm)	SCG (ppm)
Mar-01	Iron	5.05	0.3

MW-108

VOC

Date	Compound	Result (ppb)	SCG (ppb)
Mar-01	Methyl-tert-butyl ether	19.1	10
Jan-02	Methyl-tert-butyl ether	16	10

Metals

Date	Compound	Result (ppm)	SCG (ppm)
Mar-01	Iron	1.54	0.3
Mar-01	Magnesium	45.1	35
Mar-01	Sodium	62.3	20
Sep-01	Iron	2.64	0.3
Sep-01	Magnesium	55.1	35
Sep-01	Sodium	50.4	20

MW-106

VOC

Date	Compound	Result (ppb)	SCG (ppb)
Mar-01	Xylene (total)	14.5	5

MW-111

VOC

Date	Compound	Result (ppb)	SCG (ppb)
Mar-01	Methylene Chloride	16	5

Metals

Date	Compound	Result (ppm)	SCG (ppm)
Mar-01	Iron	2.92	0.3

MW-113

Metals

Date	Compound	Result (ppm)	SCG (ppm)
Mar-01	Iron	0.545	0.3
Mar-01	Magnesium	65.6	35
Mar-01	Sodium	368	20
Sep-01	Iron	0.393	0.3
Sep-01	Magnesium	47.2	35
Sep-01	Sodium	77.3	20

MW-110

VOC

Date	Compound	Result (ppb)	SCG (ppb)
Mar-01	Methylene Chloride	10	5

Metals

Date	Compound	Result (ppm)	SCG (ppm)
Mar-01	Iron	1.43	0.3

MW-116

VOC

Date	Compound	Result (ppb)	SCG (ppb)
Mar-01	1,2,4-Trimethylbenzene	424.3	5
Mar-01	1,3,5-Trimethylbenzene	159.6	5
Mar-01	4-Isopropyltoluene	52.7	5
Mar-01	Chloroform	7.8	7
Mar-01	Ethylbenzene	1751	5
Mar-01	Isopropylbenzene	95.3	5
Mar-01	Napthalene	204.5	10
Mar-01	n-Propylbenzene	92.4	5
Mar-01	sec-Butylbenzene	66	5
Mar-01	Toluene	237.7	5
Mar-01	Xylene (total)	2974.2	5
Sep-01	1,2,4-Trimethylbenzene	903.2	5
Sep-01	1,3,5-Trimethylbenzene	393.4	5
Sep-01	4-Isopropyltoluene	51.9	5
Sep-01	Benzene	42.8	1
Sep-01	Ethylbenzene	1201.3	5
Sep-01	Isopropylbenzene	25.2	5
Sep-01	sec-Butylbenzene	39.8	5
Sep-01	Xylene (total)	70767.2	5
Jan-02	Ethylbenzene	3700	5
Jan-02	Isopropylbenzene	180	5
Jan-02	Xylene (total)	14770	5
Jan-02	Total TICs	12580	NA

VOC (LNAPL Layer)

Sep-01	1,2,4-Trimethylbenzene	2393.1	5
Sep-01	1,3,5-Trimethylbenzene	833.6	5
Sep-01	4-Isopropyltoluene	108.9	5
Sep-01	Benzene	545.9	1
Sep-01	Ethylbenzene	3909.9	5
Sep-01	Isopropylbenzene	84.5	5
Sep-01	Methyl-tert-butyl ether	46	10
Sep-01	Napthalene	178.1	10
Sep-01	n-Propylbenzene	60.1	5
Sep-01	sec-Butylbenzene	114.8	5
Sep-01	tert-Butylbenzene	26.3	5
Sep-01	Toluene	95.3	5
Sep-01	Xylene (total)	128486.8	5

MW-109

VOC

Date	Compound	Result (ppb)	SCG (ppb)
Mar-01	Methylene Chloride	24	5
Sep-01	Benzene	10.8	1

Metals

Date	Compound	Result (ppm)	SCG (ppm)
Mar-01	Iron	2.37	0.3
Mar-01	Magnesium	40.8	35

MW-101

VOC

Date	Compound	Result (ppb)	SCG (ppb)
Nov-00	Ethylbenzene	400	5
Nov-00	Toluene	1400	5
Nov-00	Xylene (total)	2420	5
Mar-01	1,2,4-Trimethylbenzene	21.3	5
Mar-01	1,3,5-Trimethylbenzene	24.5	5
Mar-01	Benzene	7.2	1
Mar-01	Napthalene	15.3	10
Mar-01	Toluene	471.3	5
Mar-01	Xylene (total)	1182.7	5
Sep-01	Benzene	15	1
Sep-01	Toluene	7.7	5
Sep-01	Xylene (total)	13.8	5

SVOC

Date	Compound	Result (ppb)	SCG (ppb)
Nov-00	Bis(2-ethylhexyl)phthalate	28	5
Nov-00	2-Methylphenol	4.4	1
Nov-00	4-Methylphenol	7.3	1
Nov-00	Napthalene	12	10

Metals

Date	Compound	Result (ppm)	SCG (ppm)
Mar-01	Iron	13.8	0.3
Mar-01	Magnesium	41.7	35
Mar-01	Manganese	0.664	0.3

KEY:

TICs - Tentatively Identified Compounds

NA- Not Applicable

✧ Overburden Groundwater Monitoring Well

Scale (feet)

0 25 50 75 100

Project:
Davidson's Collision
Site #828091

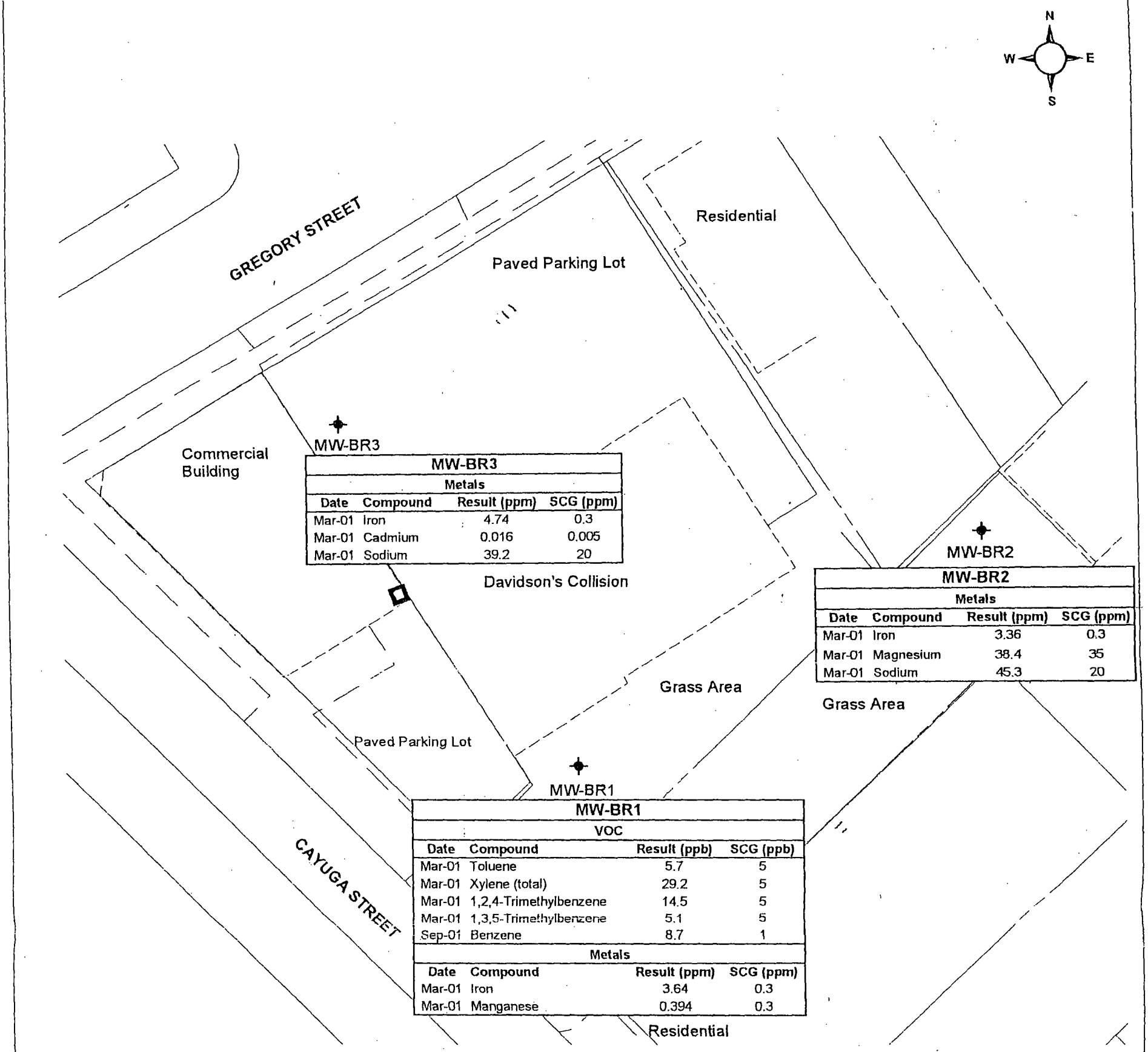
City of Rochester
County of Monroe
State of New York

NYSDEC Project Manager:
Frank Sowers, P.E.

Date:
February 26, 2003

Figure 12
2000-2002 NYSDEC Site Investigation
Overburden Groundwater Concentrations
Exceeding SCGs Plus TICs

Base map by
Lu Engineers, April 16, 2001
Revisions by Frank Sowers, P.E.



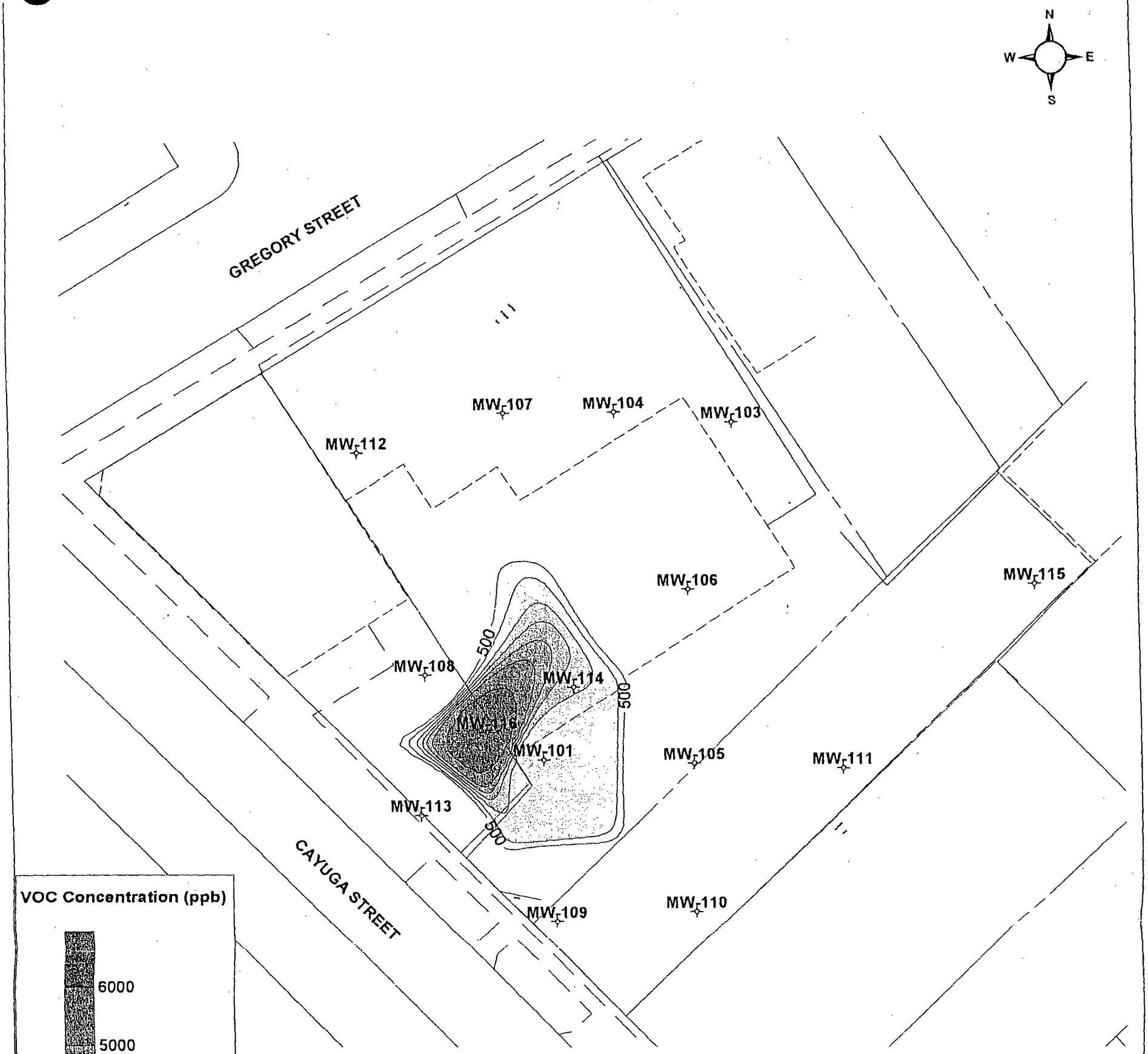
KEY:

✦ Shallow Bedrock Groundwater Monitoring Well

Scale (feet)

0 25 50 75 100

Project: Davidson's Collision Site #828091 City of Rochester County of Monroe State of New York	NYSDEC Project Manager: Frank Sowers, P.E. Date: February 26, 2003	**Figure 13.** **2000-2002 NYSDEC Site Investigation** **Shallow Bedrock Groundwater** **Concentrations Exceeding SCGs**	Base map by Lu Engineers, April 16, 2001 Revisions by Frank Sowers, P.E.



KEY:

✧ Overburden Groundwater Monitoring Well

Groundwater contours based on total VOC results from March 2001 groundwater sampling event. Subsequent sampling events indicate that VOC concentrations change seasonally, but the shape of the plume does not appear to significantly change with time.

The extent of VOC groundwater contamination shown here is an approximation. The actual extent of VOC contamination may be different from what is shown, especially underneath the building.

Scale (feet)

0 25 50 75 100

Project: ,Davidson's Collision Site #828091 City of Rochester County of Monroe State of New York	NYSDEC Project Manager: Frank Sowers, P.E. Date: February 26, 2003	**Figure 14.** **2000-2002 NYSDEC Site Investigation** **Estimated Extent of VOC Groundwater Contamination From Paint Waste Disposal Area**	Base map by Lu Engineers, April 16, 2001 Revisions by Frank Sowers, P.E.

TABLES

Table 1 Sample Collection Matrix
Davidson's Collision Site
2000-2002 Site Investigation

Sample Description	Matrix	Sample Collection Date	Analytical Parameter		
			Volatile Organic Analysis (EPA Method 95-1)	Semi-Volatile Organic Analysis (EPA Method 8270 B/N/A)	TAL Metals
MW-101	Groundwater	11/06/00	x	x	
MW-103	Groundwater	11/06/00	x	x	
MW-104	Groundwater	11/06/00	x	x	
SS-106	Surface Soil	03/05/01	R	x	x
SS-107	Surface Soil	03/05/01	R	x	x
SS-108	Surface Soil	03/05/01	R	x	x
SS-109	Surface Soil	03/05/01	RR	xo	xo
SS-110	Surface Soil	03/05/01	R	x	x
Bond Street Background Sample	Surface Soil	03/05/01	R	x	x
Weider Street Background Sample	Surface Soil	03/05/01	R	x	x
MW-111 (8-10')	Subsurface Soil	03/06/01	x	x	x
MW-115 (6-8')	Subsurface Soil	03/06/01	x	x	x
MW-109 (6-8')	Subsurface Soil	03/07/01	x	x	x
MW-110 (6-8')	Subsurface Soil	03/07/01	R	x	x
MW-110 (8-10')	Subsurface Soil	03/07/01	x	x	x
MW-109	Groundwater	03/08/01	x		
MW-110	Groundwater	03/08/01	x		
MW-111	Groundwater	03/08/01	x		
MW-105 (6-8')	Subsurface Soil	03/08/01	x	x	x
MW-112 (6-8')	Subsurface Soil	03/08/01	x	x	x
MW-112 (12-14')	Subsurface Soil	03/08/01	x	x	x
MW-107 (8-10')	Subsurface Soil	03/09/01	x	x	
MW-107 (12-14')	Subsurface Soil	03/09/01	x	x	x
MW-108 (6-8')	Subsurface Soil	03/15/01	x	x	x
MW-113 (6-8')	Subsurface Soil	03/15/01	x	x	x
Weider Hall Basement Sump	Groundwater	03/15/01	x	x	x
MW-104	Groundwater	03/26/01	x	x	x
MW-107	Groundwater	03/26/01	x	x	x
MW-112	Groundwater	03/26/01	x	x	x

Sample Description	Matrix	Sample Collection Date	Analytical Parameter		
			Volatile Organic Analysis (EPA Method 95-1)	Semi-Volatile Organic Analysis (EPA Method 8270 B/N/A)	TAL Metals
MW-BR3	Groundwater	03/26/01	x	x	x
MW-101	Groundwater	03/27/01	x	x	
MW-103	Groundwater	03/27/01	x	x	
MW-105	Groundwater	03/27/01	x	x	
MW-108	Groundwater	03/27/01	x	x	
MW-109	Groundwater	03/27/01	x	x	
MW-110	Groundwater	03/27/01	x	x	
MW-111	Groundwater	03/27/01	x	x	
MW-113	Groundwater	03/27/01	xo	xo	
MW-BR1	Groundwater	03/27/01	x	x	x
MW-101	Groundwater	03/28/01			x
MW-103	Groundwater	03/28/01			x
MW-105	Groundwater	03/28/01			x
MW-108	Groundwater	03/28/01			x
MW-109	Groundwater	03/28/01			x
MW-110	Groundwater	03/28/01			x
MW-111	Groundwater	03/28/01			x
MW-113	Groundwater	03/28/01			xo
MW-115	Groundwater	03/28/01	x	x	x
MW-BR2	Groundwater	03/28/01	xo	xo	xo
MW-116	Groundwater	03/29/01	x		
MW-106	Groundwater	03/29/01	x		
MW-106 (6-8')	Subsurface Soil	03/29/01	R	x	x
MW-116 (8-11')	Subsurface Soil	03/29/01	R	x	x
MW-116 (12-14')	Subsurface Soil	03/29/01	R	x	x
MW-116 (16-18')	Subsurface Soil	03/29/01	R	x	
MW-114	Groundwater	03/30/01	R		
MW-114 (8-11')	Subsurface Soil	03/30/01	R	x	x
MW-116 (NAPL layer)	Groundwater	09/11/01	x		
MW-113	Groundwater	09/11/01	x		
MW-108	Groundwater	09/11/01	x		
MW-101	Groundwater	09/12/01	x		

Sample Description	Matrix	Sample Collection Date	Analytical Parameter		
			Volatile Organic Analysis (EPA Method 95-1)	Semi-Volatile Organic Analysis (EPA Method 8270 B/N/A)	TAL Metals
MW-108	Groundwater	09/12/01			x(except mercury)
MW-109	Groundwater	09/12/01	x		
MW-110	Groundwater	09/12/01	x		
MW-112	Groundwater	09/12/01	x		
MW-113	Groundwater	09/12/01			x(except mercury)
MW-116	Groundwater	09/12/01	x		
MW-BR1	Groundwater	09/12/01	xo		
MW-115	Groundwater	09/13/01	x		
MW-111	Groundwater	01/29/02	x		
MW-110	Groundwater	01/29/02	x		
MW-109	Groundwater	01/29/02	x		
MW-113	Groundwater	01/29/02	x		
MW-108	Groundwater	01/29/02	x		
MW-112	Groundwater	01/29/02	x		
MW-107	Groundwater	01/29/02	x		
MW-104	Groundwater	01/29/02	x		
MW-103	Groundwater	01/29/02	x		
MW-105	Groundwater	01/30/02	x		
MW-BR1	Groundwater	01/30/02	x		
MW-101	Groundwater	01/30/02	x		
MW-BR2	Groundwater	01/30/02	x		
MW-116	Groundwater	01/30/02	x		
SS-111	Surface Soil	01/30/02	x		
SS-112	Surface Soil	01/30/02	x		
SS-113	Surface Soil	01/30/02	x		
SS-114	Surface Soil	01/30/02	x (+TCLP)		TCLP
B-1 (9-10')	Subsurface Soil	09/25/02	x		
B-1 (10-11')	Subsurface Soil	09/25/02	x		
B-1 (12-14')	Subsurface Soil	09/25/02	xo		
B-1 (16-17.5')	Subsurface Soil	09/25/02	x		
B-2 (8-9')	Subsurface Soil	09/25/02	x		
B-2 (14-16')	Subsurface Soil	09/25/02	x		

Sample Description	Matrix	Sample Collection Date	Analytical Parameter		
			Volatile Organic Analysis (EPA Method 95-1)	Semi-Volatile Organic Analysis (EPA Method 8270 B/N/A)	TAL Metals
B-3 (8-9')	Subsurface Soil	09/25/02	x		
B-3	Groundwater	09/25/02	x		
B-4 (6-8')	Subsurface Soil	09/25/02	x		

Notes:
x - Sample collected by NYSDEC and analyzed at a NYSDEC contract laboratory.
o -Field duplicate sample.
R- Rejected. Analytical results were not usable.

Table 2. Site Survey Elevation Data
Davidson's Collision
2000 - 2002 Site Investigation

Well ID	Well Type	Rim/ Outer Casing Elevation (ft)	Ground Elevation (ft)	Riser Elevation (ft)
MW-116	Stick Up	517.74	514.48	516.66
MW-108	Stick Up	516	514.06	515.85
MW-113	Flush Mount	512.82		512.33
MW-101	Flush Mount	513.79		513.31
MW-BR1	Flush Mount	513.6		513.31
MW-109	Flush Mount	512.44		511.97
MW-110	Flush Mount	512.67		512.18
MW-111	Flush Mount	512.95		512.58
MW-105	Flush Mount	512.96		512.58
MW-115	Stick Up	516.51	514.08	516.19
MW-BR2	Flush Mount	514.11		513.52
MW-103	Flush Mount	513.64		512.86
MW-106	Flush Mount	513.76		513.54
MW-114	Flush Mount	513.87		513.55
MW-104	Flush Mount	513.8		513.54
MW-107	Flush Mount	513.69		513.23
MW-112	Flush Mount	513.95		513.64
MW-BR3	Flush Mount	514.12		513.78

Table 3. Groundwater Elevation Measurements
Davidson's Collision
2000 - 2002 Site Investigation

		June 30, 2000		November 6, 2000		April 23, 2001		September 11, 2001		January 29, 2002	
Sample Point	Riser Elevation (ft)	Depth to Water From Riser (ft)	Groundwater Elevation (ft)	Depth to Water From Riser (ft)	Groundwater Elevation (ft)	Depth to Water From Riser (ft)	Groundwater Elevation (ft)	Depth to Water From Riser (ft)	Groundwater Elevation (ft)	Depth to Water From Riser (ft)	Groundwater Elevation (ft)
MW-116	516.66					12.11	504.55	17.78	498.88	16.2	500.46
MW-108	515.85					11.35	504.5	15.65	500.2	13.95	501.9
MW-113	512.33					7.88	504.45	12.17	500.16	10.6	501.73
MW-101	513.31	7.95	505.36	9.22	504.09	11.71	501.6	15.99	497.32	14	499.31
MW-BR1	513.31					11.8	501.51	17.3	496.01	15.59	497.72
MW-109	511.97					8.1	503.87	12.17	499.8	14.87	497.1
MW-110	512.18					7.92	504.26	12.25	499.93	10.61	501.57
MW-111	512.58					7.35	505.23	12.68	499.9	10.99	501.59
MW-105	512.58					6.7	505.88	dry	NA	11.39	501.19
MW-115	516.19					11.49	504.7	16.92	499.27	dry	NA
MW-BR2	513.52					15.6	497.92	19.65	493.87	16.5	497.02
MW-103	512.86	6.7	506.16	8.1	504.76	7.53	505.33	12.55	500.31	10.92	501.94
MW-106	513.54					7.7	505.84	dry	NA	11.26	502.28
MW-114	513.55					9.03	504.52	dry	NA	Not Accessible	NA
MW-104	513.54	7.6	505.94	9.93	503.61	8.11	505.43	12.92	500.62	11.28	502.26
MW-107	513.23					8.55	504.68	12.4	500.83	10.73	502.5
MW-112	513.64					8.77	504.87	12.99	500.65	11.29	502.35
MW-BR3	513.78					9.45	504.33	13.3	500.48	11.6	502.18

Table 4. Summary of Surface Soil Results
Volatile Organic Compounds
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppb)	Standard/ Guidance (ppb)
SS111	Surface	01/30/02	B40113	All VOCs	ND	NA
SS112	Surface	01/30/02	B40114	All VOCs	ND	NA
SS113	Surface	01/30/02	B40115	All VOCs	ND	NA
SS114 (TCLP)	Surface	01/30/02	B40116	All VOCs	ND	NA
SS114	Surface	01/30/02	B40116	Acetone	21000	200
SS114	Surface	01/30/02	B40116	Ethylbenzene	4000000	5500
SS114	Surface	01/30/02	B40116	Isopropylbenzene	110000	2300
SS114	Surface	01/30/02	B40116	Toluene	2600000	700
SS114	Surface	01/30/02	B40116	Total TICs	18862857	NA
SS114	Surface	01/30/02	B40116	Xylene (total)	15942857	1200

ppb - Parts Per Billion
VOC - Volatile Organic Compound
TCLP - Toxicity Characteristic Leachate Procedure
ND - Not Detected
TIC - Tentatively Identified Compound
NA- Not Applicable
Surface = 0 to 2 inches below ground after removing the vegetative cover.

Table 5. Summary of Surface Soil Results
Semi-Volatile Organic Compounds
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/Guidance (ppm)
Bond Street Background	Surface	03/05/01	BOND SS	Benzo(a)anthracene	0.609	0.224 or MDL
Bond Street Background	Surface	03/05/01	BOND SS	Benzo(a)pyrene	0.598	0.061 or MDL
Bond Street Background	Surface	03/05/01	BOND SS	Benzo(b)fluoranthene	0.793	1.1
Bond Street Background	Surface	03/05/01	BOND SS	Benzo(k)fluoranthene	0.544	1.1
Bond Street Background	Surface	03/05/01	BOND SS	Bis(2-ethylhexyl)phthalate	0.28	50
Bond Street Background	Surface	03/05/01	BOND SS	Chrysene	0.728	0.4
Bond Street Background	Surface	03/05/01	BOND SS	Fluoranthene	1.804	50
Bond Street Background	Surface	03/05/01	BOND SS	Phenanthrene	0.85	50
Bond Street Background	Surface	03/05/01	BOND SS	Pyrene	1.707	50
Weider Street Background	Surface	03/05/01	WEIDER SS	Benzo(a)anthracene	0.63	0.224 or MDL
Weider Street Background	Surface	03/05/01	WEIDER SS	Benzo(a)pyrene	0.619	0.061 or MDL
Weider Street Background	Surface	03/05/01	WEIDER SS	Benzo(b)fluoranthene	0.821	1.1
Weider Street Background	Surface	03/05/01	WEIDER SS	Benzo(k)fluoranthene	0.563	1.1
Weider Street Background	Surface	03/05/01	WEIDER SS	Bis(2-ethylhexyl)phthalate	1	50
Weider Street Background	Surface	03/05/01	WEIDER SS	Chrysene	0.754	0.4
Weider Street Background	Surface	03/05/01	WEIDER SS	Fluoranthene	1.867	50
Weider Street Background	Surface	03/05/01	WEIDER SS	Phenanthrene	0.88	50
Weider Street Background	Surface	03/05/01	WEIDER SS	Pyrene	1.767	50
SS106	Surface	03/05/01	SS106	Benzo(a)anthracene	0.616	0.224 or MDL
SS106	Surface	03/05/01	SS106	Benzo(a)pyrene	0.605	0.061 or MDL
SS106	Surface	03/05/01	SS106	Benzo(b)fluoranthene	0.802	1.1
SS106	Surface	03/05/01	SS106	Benzo(k)fluoranthene	0.55	1.1
SS106	Surface	03/05/01	SS106	Bis(2-ethylhexyl)phthalate	0.295	50
SS106	Surface	03/05/01	SS106	Chrysene	0.737	0.4
SS106	Surface	03/05/01	SS106	Fluoranthene	1.824	50
SS106	Surface	03/05/01	SS106	Phenanthrene	0.86	50
SS106	Surface	03/05/01	SS106	Pyrene	1.727	50
SS107	Surface	03/05/01	SS107	Benzo(a)anthracene	0.588	0.224 or MDL
SS107	Surface	03/05/01	SS107	Benzo(a)pyrene	0.579	0.061 or MDL
SS107	Surface	03/05/01	SS107	Benzo(b)fluoranthene	0.767	1.1
SS107	Surface	03/05/01	SS107	Benzo(k)fluoranthene	0.526	1.1
SS107	Surface	03/05/01	SS107	Bis(2-ethylhexyl)phthalate	7.4	50
SS107	Surface	03/05/01	SS107	Chrysene	0.704	0.4
SS107	Surface	03/05/01	SS107	Fluoranthene	1.744	50
SS107	Surface	03/05/01	SS107	Phenanthrene	0.822	50
SS107	Surface	03/05/01	SS107	Pyrene	1.651	50
SS108	Surface	03/05/01	SS108	Benzo(a)anthracene	0.623	0.224 or MDL
SS108	Surface	03/05/01	SS108	Benzo(a)pyrene	0.612	0.061 or MDL
SS108	Surface	03/05/01	SS108	Benzo(b)fluoranthene	0.812	1.1
SS108	Surface	03/05/01	SS108	Benzo(k)fluoranthene	0.557	1.1
SS108	Surface	03/05/01	SS108	Bis(2-ethylhexyl)phthalate	2.2	50
SS108	Surface	03/05/01	SS108	Chrysene	0.745	0.4
SS108	Surface	03/05/01	SS108	Fluoranthene	1.846	50
SS108	Surface	03/05/01	SS108	Phenanthrene	0.87	50
SS108	Surface	03/05/01	SS108	Pyrene	1.747	50
SS109	Surface	03/05/01	SS109	Benzo(a)anthracene	0.609	0.224 or MDL
SS109	Surface	03/05/01	SS109	Benzo(a)pyrene	0.598	0.061 or MDL
SS109	Surface	03/05/01	SS109	Benzo(b)fluoranthene	0.793	1.1
SS109	Surface	03/05/01	SS109	Benzo(k)fluoranthene	0.544	1.1
SS109	Surface	03/05/01	SS109	Bis(2-ethylhexyl)phthalate	0.73	50
SS109	Surface	03/05/01	SS109	Butyl benzyl phthalate	5.858	50
SS109	Surface	03/05/01	SS109	Chrysene	0.728	0.4
SS109	Surface	03/05/01	SS109	Fluoranthene	1.804	50
SS109	Surface	03/05/01	SS109	Phenanthrene	0.85	50
SS109	Surface	03/05/01	SS109	Pyrene	1.707	50
SS109	Surface	03/05/01	SS109D	Benzo(a)anthracene	0.602	0.224 or MDL
SS109	Surface	03/05/01	SS109D	Benzo(a)pyrene	0.592	0.061 or MDL
SS109	Surface	03/05/01	SS109D	Benzo(b)fluoranthene	0.784	1.1
SS109	Surface	03/05/01	SS109D	Benzo(k)fluoranthene	0.538	1.1
SS109	Surface	03/05/01	SS109D	Bis(2-ethylhexyl)phthalate	0.461	50

Table 5. Summary of Surface Soil Results
Semi-Volatile Organic Compounds
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/Guidance (ppm)
SS109	Surface	03/05/01	SS109D	Butyl benzyl phthalate	3.219	50
SS109	Surface	03/05/01	SS109D	Chrysene	0.72	0.4
SS109	Surface	03/05/01	SS109D	Fluoranthene	1.783	50
SS109	Surface	03/05/01	SS109D	Phenanthrene	0.841	50
SS109	Surface	03/05/01	SS109D	Pyrene	1.688	50
SS110	Surface	03/05/01	SS110	Benzo(a)anthracene	0.637	0.224 or MDL
SS110	Surface	03/05/01	SS110	Benzo(a)pyrene	0.627	0.061 or MDL
SS110	Surface	03/05/01	SS110	Benzo(b)fluoranthene	3.48	1.1
SS110	Surface	03/05/01	SS110	Benzo(k)fluoranthene	0.57	1.1
SS110	Surface	03/05/01	SS110	Bis(2-ethylhexyl)phthalate	0.335	50
SS110	Surface	03/05/01	SS110	Butyl benzyl phthalate	3.619	50
SS110	Surface	03/05/01	SS110	Chrysene	0.763	0.4
SS110	Surface	03/05/01	SS110	Fluoranthene	1.89	50
SS110	Surface	03/05/01	SS110	Phenanthrene	0.891	50
SS110	Surface	03/05/01	SS110	Pyrene	1.788	50

ppm - Parts Per Million
MDL - Method Detection Limit
Surface = 0 to 2 inches below ground after removing the vegetative cover.

Table 6. Summary of Surface Soil Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
Bond Street Background	Surface	03/05/01	BOND SS	Aluminum	6470	SB
Bond Street Background	Surface	03/05/01	BOND SS	Arsenic	6.26	7.5 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Barium	64.3	300 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Beryllium	0.361	0.16 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Cadmium	1.69	10 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Calcium	4900	SB
Bond Street Background	Surface	03/05/01	BOND SS	Chromium	11.2	50 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Cobalt	4.51	30 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Copper	38.7	25 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Iron	11200	2000 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Lead	157	SB
Bond Street Background	Surface	03/05/01	BOND SS	Magnesium	3300	SB
Bond Street Background	Surface	03/05/01	BOND SS	Manganese	267	SB
Bond Street Background	Surface	03/05/01	BOND SS	Nickel	11.4	13 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Potassium	892	SB
Bond Street Background	Surface	03/05/01	BOND SS	Sodium	263	SB
Bond Street Background	Surface	03/05/01	BOND SS	Thallium	8.68	SB
Bond Street Background	Surface	03/05/01	BOND SS	Vanadium	14.9	150 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Zinc	114	20 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Aluminum	5840	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Arsenic	11.7	7.5 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Barium	194	300 or SB

Table 6. Summary of Surface Soil Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
Weider Street Background	Surface	03/05/01	WEIDER SS	Beryllium	0.388	0.16 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Cadmium	2.66	10 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Calcium	17700	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Chromium	21.3	50 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Cobalt	3.7	30 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Copper	50.9	25 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Iron	10900	2000 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Lead	646	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Magnesium	6770	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Manganese	271	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Nickel	12.7	13 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Potassium	1130	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Sodium	224	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Thallium	9.17	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Vanadium	17.1	150 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Zinc	394	20 or SB
SS106	Surface	03/05/01	SS106	Aluminum	4980	SB
SS106	Surface	03/05/01	SS106	Arsenic	3.98	7.5 or SB
SS106	Surface	03/05/01	SS106	Barium	54.9	300 or SB
SS106	Surface	03/05/01	SS106	Beryllium	0.27	0.16 or SB
SS106	Surface	03/05/01	SS106	Cadmium	1.29	10 or SB
SS106	Surface	03/05/01	SS106	Calcium	15400	SB
SS106	Surface	03/05/01	SS106	Chromium	7.26	50 or SB
SS106	Surface	03/05/01	SS106	Cobalt	3.23	30 or SB
SS106	Surface	03/05/01	SS106	Copper	31.3	25 or SB
SS106	Surface	03/05/01	SS106	Iron	8010	2000 or SB
SS106	Surface	03/05/01	SS106	Lead	193	SB
SS106	Surface	03/05/01	SS106	Magnesium	6430	SB
SS106	Surface	03/05/01	SS106	Manganese	215	SB

Table 6. Summary of Surface Soil Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
SS106	Surface	03/05/01	SS106	Nickel	7.79	13 or SB
SS106	Surface	03/05/01	SS106	Potassium	900	SB
SS106	Surface	03/05/01	SS106	Sodium	118	SB
SS106	Surface	03/05/01	SS106	Thallium	7.68	SB
SS106	Surface	03/05/01	SS106	Vanadium	10.9	150 or SB
SS106	Surface	03/05/01	SS106	Zinc	127	20 or SB
SS107	Surface	03/05/01	SS107	Aluminum	6030	SB
SS107	Surface	03/05/01	SS107	Arsenic	3.47	7.5 or SB
SS107	Surface	03/05/01	SS107	Barium	101	300 or SB
SS107	Surface	03/05/01	SS107	Beryllium	0.304	0.16 or SB
SS107	Surface	03/05/01	SS107	Cadmium	1.25	10 or SB
SS107	Surface	03/05/01	SS107	Calcium	19300	SB
SS107	Surface	03/05/01	SS107	Chromium	8.7	50 or SB
SS107	Surface	03/05/01	SS107	Cobalt	3.67	30 or SB
SS107	Surface	03/05/01	SS107	Copper	36.4	25 or SB
SS107	Surface	03/05/01	SS107	Iron	9440	2000 or SB
SS107	Surface	03/05/01	SS107	Lead	103	SB
SS107	Surface	03/05/01	SS107	Magnesium	7890	SB
SS107	Surface	03/05/01	SS107	Manganese	279	SB
SS107	Surface	03/05/01	SS107	Nickel	8.89	13 or SB
SS107	Surface	03/05/01	SS107	Potassium	1370	SB
SS107	Surface	03/05/01	SS107	Sodium	147	SB
SS107	Surface	03/05/01	SS107	Thallium	8.29	SB
SS107	Surface	03/05/01	SS107	Vanadium	13.4	150 or SB
SS107	Surface	03/05/01	SS107	Zinc	70.1	20 or SB
SS108	Surface	03/05/01	SS108	Aluminum	5700	SB
SS108	Surface	03/05/01	SS108	Arsenic	5.07	7.5 or SB
SS108	Surface	03/05/01	SS108	Barium	61	300 or SB
SS108	Surface	03/05/01	SS108	Beryllium	0.308	0.16 or SB
SS108	Surface	03/05/01	SS108	Cadmium	1.48	10 or SB
SS108	Surface	03/05/01	SS108	Calcium	17800	SB
SS108	Surface	03/05/01	SS108	Chromium	9.43	50 or SB
SS108	Surface	03/05/01	SS108	Cobalt	3.53	30 or SB
SS108	Surface	03/05/01	SS108	Copper	33.4	25 or SB
SS108	Surface	03/05/01	SS108	Iron	9140	2000 or SB
SS108	Surface	03/05/01	SS108	Lead	163	SB
SS108	Surface	03/05/01	SS108	Magnesium	6900	SB
SS108	Surface	03/05/01	SS108	Manganese	262	SB
SS108	Surface	03/05/01	SS108	Nickel	21.1	13 or SB
SS108	Surface	03/05/01	SS108	Potassium	1230	SB
SS108	Surface	03/05/01	SS108	Sodium	152	SB
SS108	Surface	03/05/01	SS108	Thallium	8.84	SB
SS108	Surface	03/05/01	SS108	Vanadium	12.8	150 or SB
SS108	Surface	03/05/01	SS108	Zinc	127	20 or SB
SS109	Surface	03/05/01	SS109	Aluminum	3380	SB
SS109	Surface	03/05/01	SS109	Arsenic	4.96	7.5 or SB
SS109	Surface	03/05/01	SS109	Barium	75.5	300 or SB
SS109	Surface	03/05/01	SS109	Beryllium	0.252	0.16 or SB
SS109	Surface	03/05/01	SS109	Cadmium	2.3	10 or SB

Table 6. Summary of Surface Soil Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
SS109	Surface	03/05/01	SS109	Calcium	29000	SB
SS109	Surface	03/05/01	SS109	Chromium	7.86	50 or SB
SS109	Surface	03/05/01	SS109	Cobalt	3.12	30 or SB
SS109	Surface	03/05/01	SS109	Copper	23	25 or SB
SS109	Surface	03/05/01	SS109	Iron	11300	2000 or SB
SS109	Surface	03/05/01	SS109	Lead	140	SB
SS109	Surface	03/05/01	SS109	Magnesium	15200	SB
SS109	Surface	03/05/01	SS109	Manganese	197	SB
SS109	Surface	03/05/01	SS109	Nickel	9.18	13 or SB
SS109	Surface	03/05/01	SS109	Potassium	825	SB
SS109	Surface	03/05/01	SS109	Sodium	167	SB
SS109	Surface	03/05/01	SS109	Thallium	7.63	SB
SS109	Surface	03/05/01	SS109	Vanadium	9.24	150 or SB
SS109	Surface	03/05/01	SS109	Zinc	197	20 or SB
SS109	Surface	03/05/01	SS109D	Aluminum	3230	SB
SS109	Surface	03/05/01	SS109D	Arsenic	5.27	7.5 or SB
SS109	Surface	03/05/01	SS109D	Barium	96.8	300 or SB
SS109	Surface	03/05/01	SS109D	Beryllium	0.225	0.16 or SB
SS109	Surface	03/05/01	SS109D	Cadmium	2.11	10 or SB
SS109	Surface	03/05/01	SS109D	Calcium	48600	SB
SS109	Surface	03/05/01	SS109D	Chromium	20.6	50 or SB
SS109	Surface	03/05/01	SS109D	Cobalt	2.72	30 or SB
SS109	Surface	03/05/01	SS109D	Copper	38.3	25 or SB
SS109	Surface	03/05/01	SS109D	Iron	9600	2000 or SB
SS109	Surface	03/05/01	SS109D	Lead	184	SB
SS109	Surface	03/05/01	SS109D	Magnesium	22200	SB
SS109	Surface	03/05/01	SS109D	Manganese	204	SB
SS109	Surface	03/05/01	SS109D	Nickel	11.9	13 or SB
SS109	Surface	03/05/01	SS109D	Potassium	963	SB
SS109	Surface	03/05/01	SS109D	Sodium	227	SB
SS109	Surface	03/05/01	SS109D	Thallium	8.68	SB
SS109	Surface	03/05/01	SS109D	Vanadium	8.48	150 or SB
SS109	Surface	03/05/01	SS109D	Zinc	265	20 or SB
SS110	Surface	03/05/01	SS110	Aluminum	5680	SB
SS110	Surface	03/05/01	SS110	Arsenic	4.81	7.5 or SB
SS110	Surface	03/05/01	SS110	Barium	120	300 or SB
SS110	Surface	03/05/01	SS110	Beryllium	0.355	0.16 or SB
SS110	Surface	03/05/01	SS110	Cadmium	2.62	10 or SB
SS110	Surface	03/05/01	SS110	Calcium	63500	SB
SS110	Surface	03/05/01	SS110	Chromium	12.1	50 or SB
SS110	Surface	03/05/01	SS110	Cobalt	4.01	30 or SB
SS110	Surface	03/05/01	SS110	Copper	40.9	25 or SB
SS110	Surface	03/05/01	SS110	Iron	11100	2000 or SB
SS110	Surface	03/05/01	SS110	Lead	418	SB
SS110	Surface	03/05/01	SS110	Magnesium	33900	SB
SS110	Surface	03/05/01	SS110	Manganese	285	SB
SS110	Surface	03/05/01	SS110	Nickel	11.3	13 or SB
SS110	Surface	03/05/01	SS110	Potassium	1380	SB
SS110	Surface	03/05/01	SS110	Sodium	237	SB

Table 6. Summary of Surface Soil Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
SS110	Surface	03/05/01	SS110	Thallium	10.8	SB
SS110	Surface	03/05/01	SS110	Vanadium	13.1	150 or SB
SS110	Surface	03/05/01	SS110	Zinc	286	20 or SB
SS114 - TCLP	Surface	01/30/02	B40116	Barium	1.18	100
SS114 - TCLP	Surface	01/30/02	B40116	Chromium	0.169	5
SS114 - TCLP	Surface	01/30/02	B40116	Lead	0.202	5

ppm - Parts Per Million
SB - Site Background
Surface = 0 to 2 inches below ground after removing the vegetative cover.
TCLP - Toxicity Characteristic Leachate Procedure

Compound	Upper End Of Eastern USA Background (ppm)
Aluminum	33000
Antimony	Not available
Arsenic	12
Barium	600
Beryllium	1.75
Cadmium	1
Calcium	35000
Chromium	40
Cobalt	60
Copper	50
Iron	550000
Lead	500
Magnesium	5000
Manganese	5000
Mercury	0.2
Nickel	25
Potassium	43000
Selenium	3.9
Silver	Not available
Sodium	8000
Thallium	NA
Vanadium	300
Zinc	50

Table 7. Summary of Surface Soil Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
Bond Street Background	Surface	03/05/01	BOND SS	Aluminum	6470	SB
SS107	Surface	03/05/01	SS107	Aluminum	6030	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Aluminum	5840	SB
SS108	Surface	03/05/01	SS108	Aluminum	5700	SB
SS110	Surface	03/05/01	SS110	Aluminum	5680	SB
SS106	Surface	03/05/01	SS106	Aluminum	4980	SB
SS109	Surface	03/05/01	SS109	Aluminum	3380	SB
SS109	Surface	03/05/01	SS109D	Aluminum	3230	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Arsenic	11.7	7.5 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Arsenic	6.26	7.5 or SB
SS109	Surface	03/05/01	SS109D	Arsenic	5.27	7.5 or SB
SS108	Surface	03/05/01	SS108	Arsenic	5.07	7.5 or SB
SS109	Surface	03/05/01	SS109	Arsenic	4.96	7.5 or SB
SS110	Surface	03/05/01	SS110	Arsenic	4.81	7.5 or SB
SS106	Surface	03/05/01	SS106	Arsenic	3.98	7.5 or SB
SS107	Surface	03/05/01	SS107	Arsenic	3.47	7.5 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Barium	194	300 or SB
SS110	Surface	03/05/01	SS110	Barium	120	300 or SB
SS107	Surface	03/05/01	SS107	Barium	101	300 or SB
SS109	Surface	03/05/01	SS109D	Barium	96.8	300 or SB
SS109	Surface	03/05/01	SS109	Barium	75.5	300 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Barium	64.3	300 or SB
SS108	Surface	03/05/01	SS108	Barium	61	300 or SB
SS106	Surface	03/05/01	SS106	Barium	54.9	300 or SB
SS114 - TCLP	Surface	01/30/02	B40116	Barium	1.18	100
Weider Street Background	Surface	03/05/01	WEIDER SS	Beryllium	0.388	0.16 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Beryllium	0.361	0.16 or SB
SS110	Surface	03/05/01	SS110	Beryllium	0.355	0.16 or SB
SS108	Surface	03/05/01	SS108	Beryllium	0.308	0.16 or SB
SS107	Surface	03/05/01	SS107	Beryllium	0.304	0.16 or SB
SS106	Surface	03/05/01	SS106	Beryllium	0.27	0.16 or SB
SS109	Surface	03/05/01	SS109	Beryllium	0.252	0.16 or SB
SS109	Surface	03/05/01	SS109D	Beryllium	0.225	0.16 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Cadmium	2.66	10 or SB
SS110	Surface	03/05/01	SS110	Cadmium	2.62	10 or SB
SS109	Surface	03/05/01	SS109	Cadmium	2.3	10 or SB
SS109	Surface	03/05/01	SS109D	Cadmium	2.11	10 or SB

Table 7. Summary of Surface Soil Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
Bond Street Background	Surface	03/05/01	BOND SS	Cadmium	1.69	10 or SB
SS108	Surface	03/05/01	SS108	Cadmium	1.48	10 or SB
SS106	Surface	03/05/01	SS106	Cadmium	1.29	10 or SB
SS107	Surface	03/05/01	SS107	Cadmium	1.25	10 or SB
SS110	Surface	03/05/01	SS110	Calcium	63500	SB
SS109	Surface	03/05/01	SS109D	Calcium	48600	SB
SS109	Surface	03/05/01	SS109	Calcium	29000	SB
SS107	Surface	03/05/01	SS107	Calcium	19300	SB
SS108	Surface	03/05/01	SS108	Calcium	17800	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Calcium	17700	SB
SS106	Surface	03/05/01	SS106	Calcium	15400	SB
Bond Street Background	Surface	03/05/01	BOND SS	Calcium	4900	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Chromium	21.3	50 or SB
SS109	Surface	03/05/01	SS109D	Chromium	20.6	50 or SB
SS110	Surface	03/05/01	SS110	Chromium	12.1	50 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Chromium	11.2	50 or SB
SS108	Surface	03/05/01	SS108	Chromium	9.43	50 or SB
SS107	Surface	03/05/01	SS107	Chromium	8.7	50 or SB
SS109	Surface	03/05/01	SS109	Chromium	7.86	50 or SB
SS106	Surface	03/05/01	SS106	Chromium	7.26	50 or SB
SS114 - TCLP	Surface	01/30/02	B40116	Chromium	0.169	5
Bond Street Background	Surface	03/05/01	BOND SS	Cobalt	4.51	30 or SB
SS110	Surface	03/05/01	SS110	Cobalt	4.01	30 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Cobalt	3.7	30 or SB
SS107	Surface	03/05/01	SS107	Cobalt	3.67	30 or SB
SS108	Surface	03/05/01	SS108	Cobalt	3.53	30 or SB
SS106	Surface	03/05/01	SS106	Cobalt	3.23	30 or SB
SS109	Surface	03/05/01	SS109	Cobalt	3.12	30 or SB
SS109	Surface	03/05/01	SS109D	Cobalt	2.72	30 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Copper	50.9	25 or SB
SS110	Surface	03/05/01	SS110	Copper	40.9	25 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Copper	38.7	25 or SB
SS109	Surface	03/05/01	SS109D	Copper	38.3	25 or SB
SS107	Surface	03/05/01	SS107	Copper	36.4	25 or SB
SS108	Surface	03/05/01	SS108	Copper	33.4	25 or SB
SS106	Surface	03/05/01	SS106	Copper	31.3	25 or SB
SS109	Surface	03/05/01	SS109	Copper	23	25 or SB
SS109	Surface	03/05/01	SS109	Iron	11300	2000 or SB

Table 7. Summary of Surface Soil Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
Bond Street Background	Surface	03/05/01	BOND SS	Iron	11200	2000 or SB
SS110	Surface	03/05/01	SS110	Iron	11100	2000 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Iron	10900	2000 or SB
SS109	Surface	03/05/01	SS109D	Iron	9600	2000 or SB
SS107	Surface	03/05/01	SS107	Iron	9440	2000 or SB
SS108	Surface	03/05/01	SS108	Iron	9140	2000 or SB
SS106	Surface	03/05/01	SS106	Iron	8010	2000 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Lead	646	SB
SS110	Surface	03/05/01	SS110	Lead	418	SB
SS106	Surface	03/05/01	SS106	Lead	193	SB
SS109	Surface	03/05/01	SS109D	Lead	184	SB
SS108	Surface	03/05/01	SS108	Lead	163	SB
Bond Street Background	Surface	03/05/01	BOND SS	Lead	157	SB
SS109	Surface	03/05/01	SS109	Lead	140	SB
SS107	Surface	03/05/01	SS107	Lead	103	SB
SS114 - TCLP	Surface	01/30/02	B40116	Lead	0.202	5
SS110	Surface	03/05/01	SS110	Magnesium	33900	SB
SS109	Surface	03/05/01	SS109D	Magnesium	22200	SB
SS109	Surface	03/05/01	SS109	Magnesium	15200	SB
SS107	Surface	03/05/01	SS107	Magnesium	7890	SB
SS108	Surface	03/05/01	SS108	Magnesium	6900	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Magnesium	6770	SB
SS106	Surface	03/05/01	SS106	Magnesium	6430	SB
Bond Street Background	Surface	03/05/01	BOND SS	Magnesium	3300	SB
SS110	Surface	03/05/01	SS110	Manganese	285	SB
SS107	Surface	03/05/01	SS107	Manganese	279	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Manganese	271	SB
Bond Street Background	Surface	03/05/01	BOND SS	Manganese	267	SB
SS108	Surface	03/05/01	SS108	Manganese	262	SB
SS106	Surface	03/05/01	SS106	Manganese	215	SB
SS109	Surface	03/05/01	SS109D	Manganese	204	SB
SS109	Surface	03/05/01	SS109	Manganese	197	SB
SS108	Surface	03/05/01	SS108	Nickel	21.1	13 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Nickel	12.7	13 or SB
SS109	Surface	03/05/01	SS109D	Nickel	11.9	13 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Nickel	11.4	13 or SB

Table 7. Summary of Surface Soil Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
SS110	Surface	03/05/01	SS110	Nickel	11.3	13 or SB
SS109	Surface	03/05/01	SS109	Nickel	9.18	13 or SB
SS107	Surface	03/05/01	SS107	Nickel	8.89	13 or SB
SS106	Surface	03/05/01	SS106	Nickel	7.79	13 or SB
SS110	Surface	03/05/01	SS110	Potassium	1380	SB
SS107	Surface	03/05/01	SS107	Potassium	1370	SB
SS108	Surface	03/05/01	SS108	Potassium	1230	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Potassium	1130	SB
SS109	Surface	03/05/01	SS109D	Potassium	963	SB
SS106	Surface	03/05/01	SS106	Potassium	900	SB
Bond Street Background	Surface	03/05/01	BOND SS	Potassium	892	SB
SS109	Surface	03/05/01	SS109	Potassium	825	SB
Bond Street Background	Surface	03/05/01	BOND SS	Sodium	263	SB
SS110	Surface	03/05/01	SS110	Sodium	237	SB
SS109	Surface	03/05/01	SS109D	Sodium	227	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Sodium	224	SB
SS109	Surface	03/05/01	SS109	Sodium	167	SB
SS108	Surface	03/05/01	SS108	Sodium	152	SB
SS107	Surface	03/05/01	SS107	Sodium	147	SB
SS106	Surface	03/05/01	SS106	Sodium	118	SB
SS110	Surface	03/05/01	SS110	Thallium	10.8	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Thallium	9.17	SB
SS108	Surface	03/05/01	SS108	Thallium	8.84	SB
SS109	Surface	03/05/01	SS109D	Thallium	8.68	SB
Bond Street Background	Surface	03/05/01	BOND SS	Thallium	8.68	SB
SS107	Surface	03/05/01	SS107	Thallium	8.29	SB
SS106	Surface	03/05/01	SS106	Thallium	7.68	SB
SS109	Surface	03/05/01	SS109	Thallium	7.63	SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Vanadium	17.1	150 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Vanadium	14.9	150 or SB
SS107	Surface	03/05/01	SS107	Vanadium	13.4	150 or SB
SS110	Surface	03/05/01	SS110	Vanadium	13.1	150 or SB
SS108	Surface	03/05/01	SS108	Vanadium	12.8	150 or SB
SS106	Surface	03/05/01	SS106	Vanadium	10.9	150 or SB
SS109	Surface	03/05/01	SS109	Vanadium	9.24	150 or SB
SS109	Surface	03/05/01	SS109D	Vanadium	8.48	150 or SB
Weider Street Background	Surface	03/05/01	WEIDER SS	Zinc	394	20 or SB
SS110	Surface	03/05/01	SS110	Zinc	286	20 or SB

Table 7. Summary of Surface Soil Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
SS109	Surface	03/05/01	SS109D	Zinc	265	20 or SB
SS109	Surface	03/05/01	SS109	Zinc	197	20 or SB
SS108	Surface	03/05/01	SS108	Zinc	127	20 or SB
SS106	Surface	03/05/01	SS106	Zinc	127	20 or SB
Bond Street Background	Surface	03/05/01	BOND SS	Zinc	114	20 or SB
SS107	Surface	03/05/01	SS107	Zinc	70.1	20 or SB

ppm - Parts Per Million
SB - Site Background
Surface = 0 to 2 inches below ground after removing the vegetative cover.
TCLP - Toxicity Characteristic Leachate Procedure

Compound	Upper End Of Eastern USA Background (ppm)
Aluminum	33000
Antimony	Not available
Arsenic	12
Barium	600
Beryllium	1.75
Cadmium	1
Calcium	35000
Chromium	40
Cobalt	60
Copper	50
Iron	550000
Lead	500
Magnesium	5000
Manganese	5000
Mercury	0.2
Nickel	25
Potassium	43000
Selenium	3.9
Silver	Not available
Sodium	8000
Thallium	NA
Vanadium	300
Zinc	50

Table 8. Summary of Subsurface Soil Results
Volatile Organic Compounds
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppb)	Standard/ Guidance (ppb)
B-1	9-10	09/25/02	005	Ethylbenzene	50	5500
B-1	9-10	09/25/02	005	Isopropylbenzene	11	2300
B-1	9-10	09/25/02	005	Methylene Chloride	55	100
B-1	9-10	09/25/02	005	Total TICs	7550	NA
B-1	10-11	09/25/02	006	Methylene Chloride	48	100
B-1	10-11	09/25/02	006	Total TICs	10460	NA
B-1	12-14	09/25/02	007	All VOCs	ND	NA
B-1	12-14	09/25/02	007	Total TICs	139	NA
B-1	12-14	09/25/02	18 (007 dup)	Methylene Chloride	47	100
B-1	12-14	09/25/02	18 (007 dup)	Total TICs	5510	NA
B-1	16-17.5	09/25/02	008	Acetone	18	200
B-1	16-17.5	09/25/02	008	Ethylbenzene	10	5500
B-1	16-17.5	09/25/02	008	Isopropylbenzene	2	2300
B-1	16-17.5	09/25/02	008	Total TICs	1064	NA
B-1	16-17.5	09/25/02	008	Xylene (total)	12	1200
B-2	8-9	09/25/02	003	All VOCs	ND	NA
B-2	14-16	09/25/02	004	All VOCs	ND	NA
B-3	8-9	09/25/02	002	All VOCs	ND	NA
B-4	6-8	09/25/02	001	All VOCs	ND	NA
B-4	6-8	09/25/02	001	Total TICs	6	NA
MW-105	6-8	03/08/01	MW-105 6'-8'	Acetone	21	200
MW-105	6-8	03/08/01	MW-105 6'-8'	Total TICs	4	NA
MW-105	6-8	03/08/01	MW-105 6'-8'	Trichloroethene	10	700
MW-107	8-10	03/09/01	MW-107 8'-10'	Acetone	16	200
MW-107	8-10	03/09/01	MW-107 8'-10'	Xylene (total)	9	1200
MW-107	12-14	03/09/01	MW-107 12'-14'	Acetone	13	200
MW-108	6-8	03/15/01	MW-108 6'-8'	1,2,3-Trichlorobenzene	4	NA
MW-108	6-8	03/15/01	MW-108 6'-8'	Acetone	5	200
MW-108	6-8	03/15/01	MW-108 6'-8'	Trichloroethene	6	700
MW-109	6-8	03/07/01	MW-109 6'-8'	Acetone	9	200
MW-110	8-10	03/07/01	MW-110 8'-10'	Acetone	10	200
MW-111	8-10	03/06/01	MW-111 8'-10'	1,2,4-Trimethylbenzene	4	3400
MW-111	8-10	03/06/01	MW-111 8'-10'	Acetone	6	200
MW-111	8-10	03/06/01	MW-111 8'-10'	Toluene	31	700
MW-111	8-10	03/06/01	MW-111 8'-10'	Total TICs	7	NA
MW-111	8-10	03/06/01	MW-111 8'-10'	Xylene (total)	43	1200
MW-112	6-8	03/08/01	MW-112 6'-8'	Acetone	25	200
MW-112	12-14	03/08/01	MW-112 12'-14'	Acetone	15	200
MW-112	12-14	03/08/01	MW-112 12'-14'	Total TICs	15	NA
MW-113	6-8	03/15/01	MW-113 6'-8'	Acetone	6	200
MW-115	6-8	03/06/01	MW-115 6'-8'	1,2,3-Trichlorobenzene	5	NA
MW-115	6-8	03/06/01	MW-115 6'-8'	1,2,4-Trimethylbenzene	4	3400
MW-115	6-8	03/06/01	MW-115 6'-8'	Acetone	4	200
MW-115	6-8	03/06/01	MW-115 6'-8'	Benzene	4	60 or MDL
MW-115	6-8	03/06/01	MW-115 6'-8'	Methyl-tert-butyl ether	8	120
MW-115	6-8	03/06/01	MW-115 6'-8'	Toluene	29	700
MW-115	6-8	03/06/01	MW-115 6'-8'	Xylene (total)	39	1200

ppb - Parts Per Billion
VOC - Volatile Organic Compound
ND - Not Detected
TIC - Tentatively Identified Compound
NA- Not Applicable
MDL - Method Detection Limit

Table 9. Summary of Subsurface Soil Results
Semi-Volatile Organic Compounds
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/Guidance (ppm)
MW-105	6-8	03/08/01	MW-105 6'-8'	All SVOCs	ND	NA
MW-106	6-8	03/29/01	MW-106 6'-8'	All SVOCs	ND	NA
MW-107	8-10	03/09/01	MW-107 8'-10'	All SVOCs	ND	NA
MW-107	12-14	03/09/01	MW-107 12'-14'	All SVOCs	ND	NA
MW-108	6-8	03/15/01	MW-108 6'-8'	All SVOCs	ND	NA
MW-109	6-8	03/07/01	MW-109 6'-8'	Bis(2-ethylhexyl)phthalate	0.15	50
MW-110	6-8	03/07/01	MW-110 6'-8'	Bis(2-ethylhexyl)phthalate	0.48	50
MW-110	8-10	03/07/01	MW-110 8'-10'	Bis(2-ethylhexyl)phthalate	0.45	50
MW-111	8-10	03/06/01	MW-111 8'-10'	Bis(2-ethylhexyl)phthalate	0.34	50
MW-112	6-8	03/08/01	MW-112 6'-8'	All SVOCs	ND	NA
MW-112	12-14	03/08/01	MW-112 12'-14'	All SVOCs	ND	NA
MW-113	6-8	03/15/01	MW-113 6'-8'	All SVOCs	ND	NA
MW-114	8-11	03/30/01	MW-114 8'-11'	All SVOCs	ND	NA
MW-115	6-8	03/06/01	MW-115 6'-8'	Bis(2-ethylhexyl)phthalate	0.52	50
MW-116	8-11	03/29/01	MW-116 8'-11'	Benzo(a)anthracene	0.119	0.224 or MDL
MW-116	8-11	03/29/01	MW-116 8'-11'	Bis(2-ethylhexyl)phthalate	0.457	50
MW-116	8-11	03/29/01	MW-116 8'-11'	Chrysene	0.134	0.4
MW-116	8-11	03/29/01	MW-116 8'-11'	Fluoranthene	0.201	50
MW-116	8-11	03/29/01	MW-116 8'-11'	Napthalene	17.372	13
MW-116	8-11	03/29/01	MW-116 8'-11'	Phenanthrene	0.366	50
MW-116	8-11	03/29/01	MW-116 8'-11'	Pyrene	0.237	50
MW-116	12-14	03/29/01	MW-116 12'-14'	All SVOCs	ND	NA
MW-116	16-18	03/29/01	MW-116 16'-18'	All SVOCs	ND	NA

ppm - Parts Per Million
SVOC - Semi-volatile Organic Compound
ND - Not Detected
NA- Not Applicable
MDL - Method Detection Limit

Table 10. Summary of Subsurface Soil Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-105	6-8	03/08/01	MW-105 6'-8'	Aluminum	3860	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Antimony	45.8	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Arsenic	110	7.5 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Barium	166	300 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Beryllium	3.2	0.16 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Cadmium	4.29	10 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Calcium	92500	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Chromium	16.9	50 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Cobalt	42.9	30 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Copper	31.4	25 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Iron	8320	2000 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Lead	46.6	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Magnesium	20900	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Manganese	511	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Nickel	44	13 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Potassium	2530	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Selenium	91.6	2 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Silver	2.94	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Sodium	1290	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Thallium	119	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Vanadium	39.2	150 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Zinc	50.5	20 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Aluminum	3890	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Antimony	45.5	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Arsenic	112	7.5 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Barium	169	300 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Beryllium	3.26	0.16 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Cadmium	4.19	10 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Calcium	94500	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Chromium	17	50 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Cobalt	41.7	30 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Copper	32.3	25 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Iron	8170	2000 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Lead	46.3	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Magnesium	20800	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Manganese	516	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Nickel	43.3	13 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Potassium	2510	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Selenium	94.5	2 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Silver	3	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Sodium	1340	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Thallium	117	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Vanadium	39.2	150 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Zinc	49.1	20 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Aluminum	5670	SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Arsenic	2.3	7.5 or SB

Table 10. Summary of Subsurface Soil Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-106	6-8	03/29/01	MW-106 6'-8'	Barium	44.8	300 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Beryllium	0.26	0.16 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Cadmium	0.385	10 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Calcium	26500	SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Chromium	8.3	50 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Cobalt	6.1	30 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Copper	16	25 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Iron	11300	2000 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Lead	6.38	SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Magnesium	8380	SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Manganese	313	SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Mercury	0.044	0.1
MW-106	6-8	03/29/01	MW-106 6'-8'	Nickel	13.1	13 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Potassium	1260	SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Sodium	118	SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Vanadium	11.3	150 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Zinc	27.1	20 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Aluminum	2050	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Antimony	3.55	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Arsenic	1.2	7.5 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Barium	16.8	300 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Beryllium	0.127	0.16 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Cadmium	0.954	10 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Calcium	86600	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Chromium	4.51	50 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Cobalt	2.19	30 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Copper	11.7	25 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Iron	4980	2000 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Lead	4.91	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Magnesium	27800	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Manganese	295	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Nickel	4.94	13 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Potassium	610	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Sodium	187	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Thallium	6.62	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Vanadium	5.03	150 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Zinc	14.9	20 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Aluminum	5950	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Antimony	3.44	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Arsenic	12.4	7.5 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Barium	33.1	300 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Beryllium	0.566	0.16 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Cadmium	0.511	10 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Calcium	40300	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Chromium	14.8	50 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Cobalt	8.74	30 or SB

Table 10. Summary of Subsurface Soil Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-108	6-8	03/15/01	MW-108 6'-8'	Copper	11.9	25 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Iron	12100	2000 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Lead	14.6	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Magnesium	18900	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Manganese	296	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Nickel	13.3	13 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Potassium	1160	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Selenium	9	2 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Sodium	358	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Thallium	12	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Vanadium	13.5	150 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Zinc	37.4	20 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Aluminum	5870	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Antimony	3.45	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Arsenic	12.5	7.5 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Barium	32.1	300 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Beryllium	0.543	0.16 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Cadmium	0.351	10 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Calcium	41300	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Chromium	14.5	50 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Cobalt	8.79	30 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Copper	11.9	25 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Iron	12300	2000 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Lead	14.2	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Magnesium	19000	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Manganese	296	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Nickel	12.5	13 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Potassium	1130	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Selenium	9.24	2 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Sodium	351	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Thallium	10.9	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Vanadium	13.4	150 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Zinc	37.7	20 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Aluminum	1710	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Antimony	0.349	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Arsenic	3.4	7.5 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Barium	26.3	300 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Cadmium	0.676	10 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Calcium	28600	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Chromium	5.24	50 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Cobalt	1.95	30 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Copper	16.7	25 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Iron	4640	2000 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Lead	3.24	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Magnesium	5490	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Manganese	246	SB

Table 10. Summary of Subsurface Soil Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-109	6-8	03/07/01	MW-109 6'-8'	Nickel	4.58	13 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Potassium	426	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Sodium	122	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Thallium	5.83	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Vanadium	3.87	150 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Zinc	13.7	20 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Aluminum	2180	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Arsenic	6.63	7.5 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Barium	116	300 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Beryllium	0.154	0.16 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Cadmium	1.42	10 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Calcium	59400	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Chromium	4.18	50 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Cobalt	3.09	30 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Copper	13	25 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Iron	9460	2000 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Lead	5.91	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Magnesium	13300	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Manganese	487	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Nickel	5.62	13 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Potassium	847	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Sodium	163	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Thallium	12.5	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Vanadium	4.99	150 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Zinc	13.2	20 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Aluminum	2240	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Arsenic	3.13	7.5 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Barium	22.6	300 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Beryllium	0.195	0.16 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Cadmium	1.4	10 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Calcium	27600	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Chromium	4.84	50 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Cobalt	3.13	30 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Copper	13.8	25 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Iron	8010	2000 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Lead	10.6	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Magnesium	28600	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Manganese	298	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Nickel	6.37	13 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Potassium	1500	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Sodium	186	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Thallium	11.1	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Vanadium	4.65	150 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Zinc	16.7	20 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Aluminum	2320	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Antimony	0.364	SB

Table 10. Summary of Subsurface Soil Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-111	8-10	03/06/01	MW-111 8'-10'	Arsenic	1.6	7.5 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Barium	13.1	300 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Beryllium	0.108	0.16 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Cadmium	0.778	10 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Calcium	25100	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Chromium	4.46	50 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Cobalt	2.59	30 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Copper	10.5	25 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Iron	5310	2000 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Lead	3.67	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Magnesium	6890	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Manganese	204	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Nickel	5.47	13 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Potassium	485	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Sodium	121	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Thallium	5.84	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Vanadium	5.31	150 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Zinc	12.5	20 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Aluminum	3350	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Antimony	0.415	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Arsenic	1.87	7.5 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Barium	24.5	300 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Beryllium	0.179	0.16 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Cadmium	0.157	10 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Calcium	24300	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Chromium	5.06	50 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Cobalt	3.8	30 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Copper	16.9	25 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Iron	7060	2000 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Lead	7.98	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Magnesium	8600	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Manganese	239	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Nickel	8.63	13 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Potassium	589	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Sodium	150	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Thallium	8.74	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Vanadium	6.68	150 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Zinc	21.4	20 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Aluminum	3150	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Arsenic	3.4	7.5 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Barium	25.6	300 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Beryllium	0.173	0.16 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Cadmium	1.15	10 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Calcium	51400	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Chromium	4.99	50 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Cobalt	3.27	30 or SB

Table 10. Summary of Subsurface Soil Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-112	12-14	03/08/01	MW-112 12'-14'	Copper	15	25 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Iron	6320	2000 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Lead	7.77	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Magnesium	15400	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Manganese	282	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Nickel	6.76	13 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Potassium	806	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Sodium	162	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Thallium	7.98	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Vanadium	6.73	150 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Zinc	155	20 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Aluminum	2110	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Antimony	0.556	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Arsenic	1.77	7.5 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Barium	12	300 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Calcium	20500	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Chromium	4.02	50 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Cobalt	2.2	30 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Copper	9.79	25 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Iron	5360	2000 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Lead	6.58	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Magnesium	5200	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Manganese	178	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Nickel	4.31	13 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Potassium	401	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Sodium	248	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Vanadium	6.13	150 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Zinc	14.6	20 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Aluminum	2310	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Arsenic	1.92	7.5 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Barium	17.3	300 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Beryllium	0.125	0.16 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Cadmium	0.302	10 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Calcium	53000	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Chromium	3.87	50 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Cobalt	2.35	30 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Copper	9.52	25 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Iron	6600	2000 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Lead	5.87	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Magnesium	20100	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Manganese	232	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Mercury	0.062	0.1
MW-114	8-11	03/30/01	MW-114 8'-11'	Nickel	5.29	13 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Potassium	797	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Sodium	141	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Thallium	1.09	SB

Table 10. Summary of Subsurface Soil Results
Metals Sorted By Location
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2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-114	8-11	03/30/01	MW-114 8'-11'	Vanadium	5.47	150 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Zinc	11.9	20 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Aluminum	3250	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Antimony	0.392	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Arsenic	2.86	7.5 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Barium	25.1	300 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Beryllium	0.167	0.16 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Cadmium	1.2	10 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Calcium	35100	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Chromium	5.81	50 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Cobalt	3.55	30 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Copper	15.4	25 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Iron	7580	2000 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Lead	6.42	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Magnesium	8760	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Manganese	256	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Nickel	7.88	13 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Potassium	612	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Sodium	129	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Thallium	10.2	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Vanadium	6.26	150 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Zinc	20.7	20 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Aluminum	3630	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Antimony	0.326	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Arsenic	2.75	7.5 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Barium	28	300 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Beryllium	0.185	0.16 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Cadmium	1.25	10 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Calcium	37200	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Chromium	6.4	50 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Cobalt	3.99	30 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Copper	16.4	25 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Iron	8000	2000 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Lead	7.12	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Magnesium	9580	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Manganese	293	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Nickel	8.62	13 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Potassium	675	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Sodium	142	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Thallium	10.3	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Vanadium	6.7	150 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Zinc	22.8	20 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Aluminum	6640	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Arsenic	1.97	7.5 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Barium	60.9	300 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Beryllium	0.337	0.16 or SB

Table 10. Summary of Subsurface Soil Results
Metals Sorted By Location
Davidson's Collision
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Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-116	8-11	03/29/01	MW-116 8'-11'	Cadmium	0.642	10 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Calcium	47400	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Chromium	11	50 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Cobalt	5.67	30 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Copper	15.9	25 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Iron	13400	2000 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Lead	7.45	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Magnesium	11500	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Manganese	283	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Mercury	0.058	0.1
MW-116	8-11	03/29/01	MW-116 8'-11'	Nickel	12.9	13 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Potassium	1660	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Sodium	163	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Thallium	2.42	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Vanadium	14.5	150 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Zinc	24.1	20 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Aluminum	6230	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Arsenic	1.86	7.5 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Barium	56.8	300 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Beryllium	0.295	0.16 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Cadmium	0.52	10 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Calcium	44300	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Chromium	10.2	50 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Cobalt	5.19	30 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Copper	15	25 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Iron	12400	2000 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Lead	7	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Magnesium	10700	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Manganese	268	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Mercury	0.05	0.1
MW-116	8-11	03/29/01	MW-116 8'-11'D	Nickel	11.8	13 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Potassium	1540	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Sodium	155	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Thallium	1.81	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Vanadium	13.5	150 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Zinc	23.3	20 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Aluminum	2300	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Arsenic	1.52	7.5 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Barium	16.1	300 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Beryllium	0.119	0.16 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Cadmium	0.258	10 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Calcium	65100	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Chromium	4.53	50 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Cobalt	2.17	30 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Copper	10.7	25 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Iron	7340	2000 or SB

Table 10. Summary of Subsurface Soil Results
Metals Sorted By Location
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Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-116	12-14	03/29/01	MW-116 12'-14'	Lead	4.99	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Magnesium	17200	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Manganese	243	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Mercury	0.041	0.1
MW-116	12-14	03/29/01	MW-116 12'-14'	Nickel	4.47	13 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Potassium	738	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Sodium	151	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Thallium	1.5	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Vanadium	6.5	150 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Zinc	12.8	20 or SB

ppm - Parts Per Million
SB - Site Background

Compound	Upper End Of Eastern USA Background (ppm)
Aluminum	33000
Antimony	Not available
Arsenic	12
Barium	600
Beryllium	1.75
Cadmium	1
Calcium	35000
Chromium	40
Cobalt	60
Copper	50
Iron	550000
Lead	500
Magnesium	5000
Manganese	5000
Mercury	0.2
Nickel	25
Potassium	43000
Selenium	3.9
Silver	Not available
Sodium	8000
Thallium	NA
Vanadium	300
Zinc	50

Table 11. Summary of Subsurface Soil Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-116	8-11	03/29/01	MW-116 8'-11'	Aluminum	6640	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Aluminum	6230	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Aluminum	5950	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Aluminum	5870	SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Aluminum	5670	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Aluminum	3890	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Aluminum	3860	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Aluminum	3630	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Aluminum	3350	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Aluminum	3250	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Aluminum	3150	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Aluminum	2320	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Aluminum	2310	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Aluminum	2300	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Aluminum	2240	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Aluminum	2180	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Aluminum	2110	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Aluminum	2050	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Aluminum	1710	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Antimony	45.8	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Antimony	45.5	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Antimony	3.55	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Antimony	3.45	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Antimony	3.44	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Antimony	0.556	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Antimony	0.415	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Antimony	0.392	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Antimony	0.364	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Antimony	0.349	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Antimony	0.326	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Arsenic	112	7.5 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Arsenic	110	7.5 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Arsenic	12.5	7.5 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Arsenic	12.4	7.5 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Arsenic	6.63	7.5 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Arsenic	3.4	7.5 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Arsenic	3.4	7.5 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Arsenic	3.13	7.5 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Arsenic	2.86	7.5 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Arsenic	2.75	7.5 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Arsenic	2.3	7.5 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Arsenic	1.97	7.5 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Arsenic	1.92	7.5 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Arsenic	1.87	7.5 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Arsenic	1.86	7.5 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Arsenic	1.77	7.5 or SB

Table 11. Summary of Subsurface Soil Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-111	8-10	03/06/01	MW-111 8'-10'	Arsenic	1.6	7.5 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Arsenic	1.52	7.5 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Arsenic	1.2	7.5 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Barium	169	300 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Barium	166	300 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Barium	116	300 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Barium	60.9	300 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Barium	56.8	300 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Barium	44.8	300 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Barium	33.1	300 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Barium	32.1	300 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Barium	28	300 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Barium	26.3	300 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Barium	25.6	300 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Barium	25.1	300 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Barium	24.5	300 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Barium	22.6	300 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Barium	17.3	300 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Barium	16.8	300 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Barium	16.1	300 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Barium	13.1	300 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Barium	12	300 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Beryllium	3.26	0.16 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Beryllium	3.2	0.16 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Beryllium	0.566	0.16 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Beryllium	0.543	0.16 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Beryllium	0.337	0.16 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Beryllium	0.295	0.16 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Beryllium	0.26	0.16 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Beryllium	0.195	0.16 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Beryllium	0.185	0.16 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Beryllium	0.179	0.16 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Beryllium	0.173	0.16 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Beryllium	0.167	0.16 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Beryllium	0.154	0.16 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Beryllium	0.127	0.16 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Beryllium	0.125	0.16 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Beryllium	0.119	0.16 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Beryllium	0.108	0.16 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Cadmium	4.29	10 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Cadmium	4.19	10 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Cadmium	1.42	10 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Cadmium	1.4	10 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Cadmium	1.25	10 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Cadmium	1.2	10 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Cadmium	1.15	10 or SB

Table 11. Summary of Subsurface Soil Results
Metals Sorted By Compound
Davidson's Collision
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Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-107	12-14	03/09/01	MW-107 12'-14'	Cadmium	0.954	10 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Cadmium	0.778	10 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Cadmium	0.676	10 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Cadmium	0.642	10 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Cadmium	0.52	10 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Cadmium	0.511	10 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Cadmium	0.385	10 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Cadmium	0.351	10 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Cadmium	0.302	10 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Cadmium	0.258	10 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Cadmium	0.157	10 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Calcium	94500	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Calcium	92500	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Calcium	86600	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Calcium	65100	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Calcium	59400	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Calcium	53000	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Calcium	51400	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Calcium	47400	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Calcium	44300	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Calcium	41300	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Calcium	40300	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Calcium	37200	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Calcium	35100	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Calcium	28600	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Calcium	27600	SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Calcium	26500	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Calcium	25100	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Calcium	24300	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Calcium	20500	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Chromium	17	50 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Chromium	16.9	50 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Chromium	14.8	50 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Chromium	14.5	50 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Chromium	11	50 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Chromium	10.2	50 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Chromium	8.3	50 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Chromium	6.4	50 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Chromium	5.81	50 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Chromium	5.24	50 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Chromium	5.06	50 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Chromium	4.99	50 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Chromium	4.84	50 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Chromium	4.53	50 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Chromium	4.51	50 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Chromium	4.46	50 or SB

Table 11. Summary of Subsurface Soil Results
Metals Sorted By Compound
Davidson's Collision
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Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-110	6-8	03/07/01	MW-110 6'-8'	Chromium	4.18	50 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Chromium	4.02	50 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Chromium	3.87	50 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Cobalt	42.9	30 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Cobalt	41.7	30 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Cobalt	8.79	30 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Cobalt	8.74	30 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Cobalt	6.1	30 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Cobalt	5.67	30 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Cobalt	5.19	30 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Cobalt	3.99	30 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Cobalt	3.8	30 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Cobalt	3.55	30 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Cobalt	3.27	30 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Cobalt	3.13	30 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Cobalt	3.09	30 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Cobalt	2.59	30 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Cobalt	2.35	30 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Cobalt	2.2	30 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Cobalt	2.19	30 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Cobalt	2.17	30 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Cobalt	1.95	30 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Copper	32.3	25 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Copper	31.4	25 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Copper	16.9	25 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Copper	16.7	25 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Copper	16.4	25 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Copper	16	25 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Copper	15.9	25 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Copper	15.4	25 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Copper	15	25 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Copper	15	25 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Copper	13.8	25 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Copper	13	25 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Copper	11.9	25 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Copper	11.9	25 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Copper	11.7	25 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Copper	10.7	25 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Copper	10.5	25 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Copper	9.79	25 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Copper	9.52	25 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Iron	13400	2000 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Iron	12400	2000 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Iron	12300	2000 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Iron	12100	2000 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Iron	11300	2000 or SB

Table 11. Summary of Subsurface Soil Results
Metals Sorted By Compound
Davidson's Collision
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Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-110	6-8	03/07/01	MW-110 6'-8'	Iron	9460	2000 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Iron	8320	2000 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Iron	8170	2000 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Iron	8010	2000 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Iron	8000	2000 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Iron	7580	2000 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Iron	7340	2000 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Iron	7060	2000 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Iron	6600	2000 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Iron	6320	2000 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Iron	5360	2000 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Iron	5310	2000 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Iron	4980	2000 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Iron	4640	2000 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Lead	46.6	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Lead	46.3	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Lead	14.6	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Lead	14.2	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Lead	10.6	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Lead	7.98	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Lead	7.77	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Lead	7.45	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Lead	7.12	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Lead	7	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Lead	6.58	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Lead	6.42	SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Lead	6.38	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Lead	5.91	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Lead	5.87	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Lead	4.99	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Lead	4.91	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Lead	3.67	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Lead	3.24	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Magnesium	28600	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Magnesium	27800	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Magnesium	20900	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Magnesium	20800	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Magnesium	20100	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Magnesium	19000	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Magnesium	18900	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Magnesium	17200	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Magnesium	15400	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Magnesium	13300	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Magnesium	11500	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Magnesium	10700	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Magnesium	9580	SB

Table 11. Summary of Subsurface Soil Results
Metals Sorted By Compound
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Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-115	6-8	03/06/01	MW-115 6'-8'	Magnesium	8760	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Magnesium	8600	SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Magnesium	8380	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Magnesium	6890	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Magnesium	5490	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Magnesium	5200	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Manganese	516	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Manganese	511	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Manganese	487	SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Manganese	313	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Manganese	298	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Manganese	296	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Manganese	296	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Manganese	295	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Manganese	293	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Manganese	283	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Manganese	282	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Manganese	268	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Manganese	256	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Manganese	246	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Manganese	243	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Manganese	239	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Manganese	232	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Manganese	204	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Manganese	178	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Mercury	0.062	0.1
MW-116	8-11	03/29/01	MW-116 8'-11'	Mercury	0.058	0.1
MW-116	8-11	03/29/01	MW-116 8'-11'D	Mercury	0.05	0.1
MW-106	6-8	03/29/01	MW-106 6'-8'	Mercury	0.044	0.1
MW-116	12-14	03/29/01	MW-116 12'-14'	Mercury	0.041	0.1
MW-105	6-8	03/08/01	MW-105 6'-8'	Nickel	44	13 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Nickel	43.3	13 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Nickel	13.3	13 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Nickel	13.1	13 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Nickel	12.9	13 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Nickel	12.5	13 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Nickel	11.8	13 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Nickel	8.63	13 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Nickel	8.62	13 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Nickel	7.88	13 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Nickel	6.76	13 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Nickel	6.37	13 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Nickel	5.62	13 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Nickel	5.47	13 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Nickel	5.29	13 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Nickel	4.94	13 or SB

Table 11. Summary of Subsurface Soil Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-109	6-8	03/07/01	MW-109 6'-8'	Nickel	4.58	13 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Nickel	4.47	13 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Nickel	4.31	13 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Potassium	2530	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Potassium	2510	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Potassium	1660	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Potassium	1540	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Potassium	1500	SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Potassium	1260	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Potassium	1160	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Potassium	1130	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Potassium	847	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Potassium	806	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Potassium	797	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Potassium	738	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Potassium	675	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Potassium	612	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Potassium	610	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Potassium	589	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Potassium	485	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Potassium	426	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Potassium	401	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Selenium	94.5	2 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Selenium	91.6	2 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Selenium	9.24	2 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Selenium	9	2 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Silver	3	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Silver	2.94	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Sodium	1340	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Sodium	1290	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Sodium	358	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Sodium	351	SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Sodium	248	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Sodium	187	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Sodium	186	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Sodium	163	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Sodium	163	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Sodium	162	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Sodium	155	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Sodium	151	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Sodium	150	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Sodium	142	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Sodium	141	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Sodium	129	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Sodium	122	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Sodium	121	SB

Table 11. Summary of Subsurface Soil Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-106	6-8	03/29/01	MW-106 6'-8'	Sodium	118	SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Thallium	119	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Thallium	117	SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Thallium	12.5	SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Thallium	12	SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Thallium	11.1	SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Thallium	10.9	SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Thallium	10.3	SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Thallium	10.2	SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Thallium	8.74	SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Thallium	7.98	SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Thallium	6.62	SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Thallium	5.84	SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Thallium	5.83	SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Thallium	2.42	SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Thallium	1.81	SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Thallium	1.5	SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Thallium	1.09	SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Vanadium	39.2	150 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Vanadium	39.2	150 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Vanadium	14.5	150 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Vanadium	13.5	150 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Vanadium	13.5	150 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Vanadium	13.4	150 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Vanadium	11.3	150 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Vanadium	6.73	150 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Vanadium	6.7	150 or SB
MW-112	6-8	03/08/01	MW-112 6'-8'	Vanadium	6.68	150 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Vanadium	6.5	150 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Vanadium	6.26	150 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Vanadium	6.13	150 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Vanadium	5.47	150 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Vanadium	5.31	150 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Vanadium	5.03	150 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Vanadium	4.99	150 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Vanadium	4.65	150 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Vanadium	3.87	150 or SB
MW-112	12-14	03/08/01	MW-112 12'-14'	Zinc	155	20 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'	Zinc	50.5	20 or SB
MW-105	6-8	03/08/01	MW-105 6'-8'D	Zinc	49.1	20 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'D	Zinc	37.7	20 or SB
MW-108	6-8	03/15/01	MW-108 6'-8'	Zinc	37.4	20 or SB
MW-106	6-8	03/29/01	MW-106 6'-8'	Zinc	27.1	20 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'	Zinc	24.1	20 or SB
MW-116	8-11	03/29/01	MW-116 8'-11'D	Zinc	23.3	20 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'D	Zinc	22.8	20 or SB

Table 11. Summary of Subsurface Soil Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-112	6-8	03/08/01	MW-112 6'-8'	Zinc	21.4	20 or SB
MW-115	6-8	03/06/01	MW-115 6'-8'	Zinc	20.7	20 or SB
MW-110	8-10	03/07/01	MW-110 8'-10'	Zinc	16.7	20 or SB
MW-107	12-14	03/09/01	MW-107 12'-14'	Zinc	14.9	20 or SB
MW-113	6-8	03/15/01	MW-113 6'-8'	Zinc	14.6	20 or SB
MW-109	6-8	03/07/01	MW-109 6'-8'	Zinc	13.7	20 or SB
MW-110	6-8	03/07/01	MW-110 6'-8'	Zinc	13.2	20 or SB
MW-116	12-14	03/29/01	MW-116 12'-14'	Zinc	12.8	20 or SB
MW-111	8-10	03/06/01	MW-111 8'-10'	Zinc	12.5	20 or SB
MW-114	8-11	03/30/01	MW-114 8'-11'	Zinc	11.9	20 or SB

ppm - Parts Per Million
SB - Site Background

Compound	Upper End Of Eastern USA Background (ppm)
Aluminum	33000
Antimony	Not available
Arsenic	12
Barium	600
Beryllium	1.75
Cadmium	1
Calcium	35000
Chromium	40
Cobalt	60
Copper	50
Iron	550000
Lead	500
Magnesium	5000
Manganese	5000
Mercury	0.2
Nickel	25
Potassium	43000
Selenium	3.9
Silver	Not available
Sodium	8000
Thallium	NA
Vanadium	300
Zinc	50

Table 12. Summary of Groundwater Results
Volatile Organic Compounds Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppb)	Standard/ Guidance (ppb)
B-3	15-20	09/25/02	B-3	Methyl-tert-butyl ether	1	10g
MW-101	9.1-19.1	11/06/00	B40101	Ethylbenzene	400	5s
MW-101	9.1-19.1	11/06/00	B40101	Toluene	1400	5s
MW-101	9.1-19.1	11/06/00	B40101	Xylene (total)	2420	5s
MW-101	9.1-19.1	03/27/01	MW-101	1,2,4-Trimethylbenzene	21.3	5s
MW-101	9.1-19.1	03/27/01	MW-101	1,3,5-Trimethylbenzene	24.5	5s
MW-101	9.1-19.1	03/27/01	MW-101	Benzene	7.2	1s
MW-101	9.1-19.1	03/27/01	MW-101	Napthalene	15.3	10g
MW-101	9.1-19.1	03/27/01	MW-101	Toluene	471.3	5s
MW-101	9.1-19.1	03/27/01	MW-101	Xylene (total)	1182.7	5s
MW-101	9.1-19.1	09/12/01	MW-101	Benzene	15	1s
MW-101	9.1-19.1	09/12/01	MW-101	Toluene	7.7	5s
MW-101	9.1-19.1	09/12/01	MW-101	Xylene (total)	13.8	5s
MW-101	9.1-19.1	01/30/02	B40112	Methyl-tert-butyl ether	4	10g
MW-103	8.9-18.9	11/06/00	B40102	All VOCs	ND	NA
MW-103	8.9-18.9	03/27/01	MW-103	All VOCs	ND	NA
MW-103	8.9-18.9	01/29/02	B40109	All VOCs	ND	NA
MW-104	9.2-19.2	11/06/00	B40103	All VOCs	ND	NA
MW-104	9.2-19.2	03/26/01	MW-104	All VOCs	ND	NA
MW-104	9.2-19.2	01/29/02	B40108	Methyl-tert-butyl ether	4	10g
MW-104	9.2-19.2	01/29/02	B40108	Total TICs	16	NA
MW-105	6-16	03/27/01	MW-105	All VOCs	ND	NA
MW-105	6-16	01/30/02	B40110	All VOCs	ND	NA
MW-106	7.5-12.5	03/29/01	MW-106	Ethylbenzene	2.5	5s
MW-106	7.5-12.5	03/29/01	MW-106	Napthalene	5.3	10g
MW-106	7.5-12.5	03/29/01	MW-106	Xylene (total)	14.5	5s
MW-107	6-16	03/26/01	MW-107	All VOCs	ND	NA
MW-107	6-16	01/29/02	B40107	All VOCs	ND	NA
MW-108	6-16	03/27/01	MW-108	Methyl-tert-butyl ether	19.1	10g
MW-108	6-16	09/11/01	MW-108	Methyl-tert-butyl ether	7.9	10g
MW-108	6-16	01/29/02	B40105	Methyl-tert-butyl ether	16	10g
MW-109	6.5-16.5	03/08/01	MW-109	Methylene Chloride	24	5s
MW-109	6.5-16.5	03/27/01	MW-109	All VOCs	ND	NA
MW-109	6.5-16.5	09/12/01	MW-109	Benzene	10.8	1s
MW-109	6.5-16.5	01/29/02	B40103	All VOCs	ND	NA
MW-110	6-16	03/08/01	MW-110	Methylene Chloride	10	5s
MW-110	6-16	03/27/01	MW-110	All VOCs	ND	NA
MW-110	6-16	09/12/01	MW-110	All VOCs	ND	NA
MW-110	6-16	01/29/02	B40102	All VOCs	ND	NA
MW-111	6-16	03/08/01	MW-111	Methylene Chloride	16	5s
MW-111	6-16	03/27/01	MW-111	All VOCs	ND	NA
MW-111	6-16	01/29/02	B40101	All VOCs	ND	NA
MW-112	6-16	03/26/01	MW-112	All VOCs	ND	NA
MW-112	6-16	09/12/01	MW-112	All VOCs	ND	NA
MW-112	6-16	01/29/02	B40106	All VOCs	ND	NA
MW-113	6-16	03/27/01	MW-113	All VOCs	ND	NA
MW-113	6-16	03/27/01	MW-113D	All VOCs	ND	NA

Table 12. Summary of Groundwater Results
Volatile Organic Compounds Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppb)	Standard/ Guidance (ppb)
MW-113	6-16	09/11/01	MW-113	All VOCs	ND	NA
MW-113	6-16	01/29/02	B40104	All VOCs	ND	NA
MW-115	6-16	03/28/01	MW-115	All VOCs	ND	NA
MW-115	6-16	09/13/01	MW-115	All VOCs	ND	NA
MW-116	8-18	03/29/01	MW-116	1,2,4-Trimethylbenzene	424.3	5s
MW-116	8-18	03/29/01	MW-116	1,3,5-Trimethylbenzene	159.6	5s
MW-116	8-18	03/29/01	MW-116	4-Isopropyltoluene	52.7	5s
MW-116	8-18	03/29/01	MW-116	Chloroform	7.8	7s
MW-116	8-18	03/29/01	MW-116	Ethylbenzene	1751	5s
MW-116	8-18	03/29/01	MW-116	Isopropylbenzene	95.3	5s
MW-116	8-18	03/29/01	MW-116	Napthalene	204.5	10g
MW-116	8-18	03/29/01	MW-116	n-Propylbenzene	92.4	5s
MW-116	8-18	03/29/01	MW-116	sec-Butylbenzene	66	5s
MW-116	8-18	03/29/01	MW-116	Toluene	237.7	5s
MW-116	8-18	03/29/01	MW-116	Xylene (total)	2974.2	5s
MW-116	8-18	09/11/01	MW-116 NAPL	1,2,4-Trimethylbenzene	2393.1	5s
MW-116	8-18	09/11/01	MW-116 NAPL	1,3,5-Trimethylbenzene	833.6	5s
MW-116	8-18	09/11/01	MW-116 NAPL	4-Isopropyltoluene	108.9	5s
MW-116	8-18	09/11/01	MW-116 NAPL	Benzene	545.9	1s
MW-116	8-18	09/11/01	MW-116 NAPL	Ethylbenzene	3909.9	5s
MW-116	8-18	09/11/01	MW-116 NAPL	Isopropylbenzene	84.5	5s
MW-116	8-18	09/11/01	MW-116 NAPL	Methyl-tert-butyl ether	46	10g
MW-116	8-18	09/11/01	MW-116 NAPL	Napthalene	178.1	10g
MW-116	8-18	09/11/01	MW-116 NAPL	n-Propylbenzene	60.1	5s
MW-116	8-18	09/11/01	MW-116 NAPL	sec-Butylbenzene	114.8	5s
MW-116	8-18	09/11/01	MW-116 NAPL	tert-Butylbenzene	26.3	5s
MW-116	8-18	09/11/01	MW-116 NAPL	Toluene	95.3	5s
MW-116	8-18	09/11/01	MW-116 NAPL	Xylene (total)	128486.8	5s
MW-116	8-18	09/12/01	MW-116	1,2,4-Trimethylbenzene	903.2	5s
MW-116	8-18	09/12/01	MW-116	1,3,5-Trimethylbenzene	393.4	5s
MW-116	8-18	09/12/01	MW-116	4-Isopropyltoluene	51.9	5s
MW-116	8-18	09/12/01	MW-116	Benzene	42.8	1s
MW-116	8-18	09/12/01	MW-116	Ethylbenzene	1201.3	5s
MW-116	8-18	09/12/01	MW-116	Isopropylbenzene	25.2	5s
MW-116	8-18	09/12/01	MW-116	sec-Butylbenzene	39.8	5s
MW-116	8-18	09/12/01	MW-116	Xylene (total)	70767.2	5s
MW-116	8-18	01/30/02	B40118	Ethylbenzene	3700	5s
MW-116	8-18	01/30/02	B40118	Isopropylbenzene	180	5s
MW-116	8-18	01/30/02	B40118	Methylcyclohexane	280	NA
MW-116	8-18	01/30/02	B40118	Total TICs	12580	NA
MW-116	8-18	01/30/02	B40118	Xylene (total)	14770	5s
MW-BR1	21-31.3	03/27/01	MW-BR1	1,2,4-Trimethylbenzene	14.5	5s
MW-BR1	21-31.3	03/27/01	MW-BR1	1,3,5-Trimethylbenzene	5.1	5s
MW-BR1	21-31.3	03/27/01	MW-BR1	Ethylbenzene	2.3	5s
MW-BR1	21-31.3	03/27/01	MW-BR1	Napthalene	7.6	10g
MW-BR1	21-31.3	03/27/01	MW-BR1	Toluene	5.7	5s
MW-BR1	21-31.3	03/27/01	MW-BR1	Xylene (total)	29.2	5s

Table 12. Summary of Groundwater Results
Volatile Organic Compounds Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppb)	Standard/ Guidance (ppb)
MW-BR1	21-31.3	09/12/01	MW-BR1	Benzene	8.7	1s
MW-BR1	21-31.3	09/12/01	MW-BR1 MS/MSD*	Benzene	5.5	1s
MW-BR1	21-31.3	01/30/02	B40111	Methyl-tert-butyl ether	2	10g
MW-BR2	21-30.7	03/28/01	MW-BR2	All VOCs	ND	NA
MW-BR2	21-30.7	03/28/01	MW-BR2D	All VOCs	ND	NA
MW-BR2	21-30.7	01/30/02	B40117	All VOCs	ND	NA
MW-BR3	21-30.8	03/26/01	MW-BR3	All VOCs	ND	NA
QA/QC		03/27/01	Field Blank	All VOCs	ND	NA
QA/QC		03/28/01	FB2	All VOCs	ND	NA
QA/QC		03/28/01	TempBlank	All VOCs	ND	NA
QA/QC		09/25/02	Trip Blank	All VOCs	ND	NA
Weider Hall		03/15/01	Weider Sump	All VOCs	ND	NA

ppb - Parts Per Billion
VOC - Volatile Organic Compound
ND - Not Detected
TIC - Tentatively Identified Compound
NA- Not Applicable
s - Ambient Groundwater Standard
g - Ambient Groundwater Guidance Value
*Sample treated as a field duplicate and not an MS/MSD

Table 13. Summary of Groundwater Results
Volatile Organic Compounds Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppb)	Standard/ Guidance (ppb)
MW-116	8-18	09/11/01	MW-116 NAPL	1,2,4-Trimethylbenzene	2393.1	5s
MW-116	8-18	09/12/01	MW-116	1,2,4-Trimethylbenzene	903.2	5s
MW-116	8-18	03/29/01	MW-116	1,2,4-Trimethylbenzene	424.3	5s
MW-101	9.1-19.1	03/27/01	MW-101	1,2,4-Trimethylbenzene	21.3	5s
MW-BR1	21-31.3	03/27/01	MW-BR1	1,2,4-Trimethylbenzene	14.5	5s
MW-116	8-18	09/11/01	MW-116 NAPL	1,3,5-Trimethylbenzene	833.6	5s
MW-116	8-18	09/12/01	MW-116	1,3,5-Trimethylbenzene	393.4	5s
MW-116	8-18	03/29/01	MW-116	1,3,5-Trimethylbenzene	159.6	5s
MW-101	9.1-19.1	03/27/01	MW-101	1,3,5-Trimethylbenzene	24.5	5s
MW-BR1	21-31.3	03/27/01	MW-BR1	1,3,5-Trimethylbenzene	5.1	5s
MW-116	8-18	09/11/01	MW-116 NAPL	4-Isopropyltoluene	108.9	5s
MW-116	8-18	03/29/01	MW-116	4-Isopropyltoluene	52.7	5s
MW-116	8-18	09/12/01	MW-116	4-Isopropyltoluene	51.9	5s
QA/QC		03/28/01	FB2	All VOCs	ND	NA
QA/QC		03/27/01	Field Blank	All VOCs	ND	NA
MW-103	8.9-18.9	03/27/01	MW-103	All VOCs	ND	NA
MW-103	8.9-18.9	11/06/00	B40102	All VOCs	ND	NA
MW-104	9.2-19.2	11/06/00	B40103	All VOCs	ND	NA
QA/QC		03/28/01	TempBlank	All VOCs	ND	NA
QA/QC		09/25/02	Trip Blank	All VOCs	ND	NA
MW-103	8.9-18.9	01/29/02	B40109	All VOCs	ND	NA
MW-105	6-16	03/27/01	MW-105	All VOCs	ND	NA
MW-105	6-16	01/30/02	B40110	All VOCs	ND	NA
Weider Hall		03/15/01	Weider Sump	All VOCs	ND	NA
MW-BR2	21-30.7	03/28/01	MW-BR2D	All VOCs	ND	NA
MW-BR2	21-30.7	03/28/01	MW-BR2	All VOCs	ND	NA
MW-107	6-16	03/26/01	MW-107	All VOCs	ND	NA
MW-107	6-16	01/29/02	B40107	All VOCs	ND	NA
MW-BR2	21-30.7	01/30/02	B40117	All VOCs	ND	NA
MW-104	9.2-19.2	03/26/01	MW-104	All VOCs	ND	NA
MW-BR3	21-30.8	03/26/01	MW-BR3	All VOCs	ND	NA
MW-109	6.5-16.5	01/29/02	B40103	All VOCs	ND	NA
MW-109	6.5-16.5	03/27/01	MW-109	All VOCs	ND	NA
MW-113	6-16	09/11/01	MW-113	All VOCs	ND	NA
MW-111	6-16	01/29/02	B40101	All VOCs	ND	NA
MW-112	6-16	03/26/01	MW-112	All VOCs	ND	NA
MW-110	6-16	03/27/01	MW-110	All VOCs	ND	NA
MW-110	6-16	09/12/01	MW-110	All VOCs	ND	NA
MW-110	6-16	01/29/02	B40102	All VOCs	ND	NA
MW-112	6-16	01/29/02	B40106	All VOCs	ND	NA
MW-111	6-16	03/27/01	MW-111	All VOCs	ND	NA
MW-113	6-16	03/27/01	MW-113	All VOCs	ND	NA
MW-115	6-16	03/28/01	MW-115	All VOCs	ND	NA
MW-112	6-16	09/12/01	MW-112	All VOCs	ND	NA
MW-113	6-16	03/27/01	MW-113D	All VOCs	ND	NA
MW-113	6-16	01/29/02	B40104	All VOCs	ND	NA

Table 13. Summary of Groundwater Results
Volatile Organic Compounds Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppb)	Standard/ Guidance (ppb)
MW-115	6-16	09/13/01	MW-115	All VOCs	ND	NA
MW-116	8-18	09/11/01	MW-116 NAPL	Benzene	545.9	1s
MW-116	8-18	09/12/01	MW-116	Benzene	42.8	1s
MW-101	9.1-19.1	09/12/01	MW-101	Benzene	15	1s
MW-109	6.5-16.5	09/12/01	MW-109	Benzene	10.8	1s
MW-BR1	21-31.3	09/12/01	MW-BR1	Benzene	8.7	1s
MW-101	9.1-19.1	03/27/01	MW-101	Benzene	7.2	1s
MW-BR1	21-31.3	09/12/01	MW-BR1 MS/MSD*	Benzene	5.5	1s
MW-116	8-18	03/29/01	MW-116	Chloroform	7.8	7s
MW-116	8-18	09/11/01	MW-116 NAPL	Ethylbenzene	3909.9	5s
MW-116	8-18	01/30/02	B40118	Ethylbenzene	3700	5s
MW-116	8-18	03/29/01	MW-116	Ethylbenzene	1751	5s
MW-116	8-18	09/12/01	MW-116	Ethylbenzene	1201.3	5s
MW-101	9.1-19.1	11/06/00	B40101	Ethylbenzene	400	5s
MW-106	7.5-12.5	03/29/01	MW-106	Ethylbenzene	2.5	5s
MW-BR1	21-31.3	03/27/01	MW-BR1	Ethylbenzene	2.3	5s
MW-116	8-18	01/30/02	B40118	Isopropylbenzene	180	5s
MW-116	8-18	03/29/01	MW-116	Isopropylbenzene	95.3	5s
MW-116	8-18	09/11/01	MW-116 NAPL	Isopropylbenzene	84.5	5s
MW-116	8-18	09/12/01	MW-116	Isopropylbenzene	25.2	5s
MW-116	8-18	01/30/02	B40118	Methylcyclohexane	280	NA
MW-109	6.5-16.5	03/08/01	MW-109	Methylene Chloride	24	5s
MW-111	6-16	03/08/01	MW-111	Methylene Chloride	16	5s
MW-110	6-16	03/08/01	MW-110	Methylene Chloride	10	5s
MW-116	8-18	09/11/01	MW-116 NAPL	Methyl-tert-butyl ether	46	10g
MW-108	6-16	03/27/01	MW-108	Methyl-tert-butyl ether	19.1	10g
MW-108	6-16	01/29/02	B40105	Methyl-tert-butyl ether	16	10g
MW-108	6-16	09/11/01	MW-108	Methyl-tert-butyl ether	7.9	10g
MW-101	9.1-19.1	01/30/02	B40112	Methyl-tert-butyl ether	4	10g
MW-104	9.2-19.2	01/29/02	B40108	Methyl-tert-butyl ether	4	10g
MW-BR1	21-31.3	01/30/02	B40111	Methyl-tert-butyl ether	2	10g
B-3	15-20	09/25/02	B-3	Methyl-tert-butyl ether	1	10g
MW-116	8-18	03/29/01	MW-116	Napthalene	204.5	10g
MW-116	8-18	09/11/01	MW-116 NAPL	Napthalene	178.1	10g
MW-101	9.1-19.1	03/27/01	MW-101	Napthalene	15.3	10g
MW-BR1	21-31.3	03/27/01	MW-BR1	Napthalene	7.6	10g
MW-106	7.5-12.5	03/29/01	MW-106	Napthalene	5.3	10g
MW-116	8-18	03/29/01	MW-116	n-Propylbenzene	92.4	5s
MW-116	8-18	09/11/01	MW-116 NAPL	n-Propylbenzene	60.1	5s
MW-116	8-18	09/11/01	MW-116 NAPL	sec-Butylbenzene	114.8	5s
MW-116	8-18	03/29/01	MW-116	sec-Butylbenzene	66	5s
MW-116	8-18	09/12/01	MW-116	sec-Butylbenzene	39.8	5s
MW-116	8-18	09/11/01	MW-116 NAPL	tert-Butylbenzene	26.3	5s
MW-101	9.1-19.1	11/06/00	B40101	Toluene	1400	5s
MW-101	9.1-19.1	03/27/01	MW-101	Toluene	471.3	5s
MW-116	8-18	03/29/01	MW-116	Toluene	237.7	5s

Table 13. Summary of Groundwater Results
Volatile Organic Compounds Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppb)	Standard/ Guidance (ppb)
MW-116	8-18	09/11/01	MW-116 NAPL	Toluene	95.3	5s
MW-101	9.1-19.1	09/12/01	MW-101	Toluene	7.7	5s
MW-BR1	21-31.3	03/27/01	MW-BR1	Toluene	5.7	5s
MW-116	8-18	01/30/02	B40118	Total TICs	12580	NA
MW-104	9.2-19.2	01/29/02	B40108	Total TICs	16	NA
MW-116	8-18	09/11/01	MW-116 NAPL	Xylene (total)	128486.8	5s
MW-116	8-18	09/12/01	MW-116	Xylene (total)	70767.2	5s
MW-116	8-18	01/30/02	B40118	Xylene (total)	14770	5s
MW-116	8-18	03/29/01	MW-116	Xylene (total)	2974.2	5s
MW-101	9.1-19.1	11/06/00	B40101	Xylene (total)	2420	5s
MW-101	9.1-19.1	03/27/01	MW-101	Xylene (total)	1182.7	5s
MW-BR1	21-31.3	03/27/01	MW-BR1	Xylene (total)	29.2	5s
MW-106	7.5-12.5	03/29/01	MW-106	Xylene (total)	14.5	5s
MW-101	9.1-19.1	09/12/01	MW-101	Xylene (total)	13.8	5s

ppb - Parts Per Billion
VOC - Volatile Organic Compound
ND - Not Detected
TIC - Tentatively Identified Compound
NA- Not Applicable
s - Ambient Groundwater Standard
g - Ambient Groundwater Guidance Value
*Sample treated as a field duplicate and not an MS/MSD

Table 14. Summary of Groundwater Results
Semi-Volatile Organic Compounds
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppb)	Standard/Guidance (ppb)
MW-101	9.1-19.1	11/06/00	B40101	2-Methylnaphthalene	18	NA
MW-101	9.1-19.1	11/06/00	B40101	2-Methylphenol	4.4	1s
MW-101	9.1-19.1	11/06/00	B40101	4-Methylphenol	7.3	1s
MW-101	9.1-19.1	11/06/00	B40101	Benzyl Alcohol	38	NA
MW-101	9.1-19.1	11/06/00	B40101	Bis(2-ethylhexyl)phthalate	28	5s
MW-101	9.1-19.1	11/06/00	B40101	Butyl benzyl phthalate	2.6	50g
MW-101	9.1-19.1	11/06/00	B40101	Dibenzofuran	1.5	NA
MW-101	9.1-19.1	11/06/00	B40101	Fluorene	2.2	50g
MW-101	9.1-19.1	11/06/00	B40101	Napthalene	12	10g
MW-101	9.1-19.1	11/06/00	B40101	Phenanthrene	2.7	50g
MW-101	9.1-19.1	03/27/01	MW-101	All SVOCs	ND	NA
MW-103	8.9-18.9	11/06/00	B40102	All SVOCs	ND	NA
MW-103	8.9-18.9	03/27/01	MW-103	All SVOCs	ND	NA
MW-104	9.2-19.2	11/06/00	B40103	All SVOCs	ND	NA
MW-104	9.2-19.2	03/26/01	MW-104	All SVOCs	ND	NA
MW-105	6-16	03/27/01	MW-105	All SVOCs	ND	NA
MW-107	6-16	03/26/01	MW-107	All SVOCs	ND	NA
MW-108	6-16	03/27/01	MW-108	All SVOCs	ND	NA
MW-109	6.5-16.5	03/27/01	MW-109	All SVOCs	ND	NA
MW-110	6-16	03/27/01	MW-110	All SVOCs	ND	NA
MW-111	6-16	03/27/01	MW-111	All SVOCs	ND	NA
MW-112	6-16	03/26/01	MW-112	All SVOCs	ND	NA
MW-113	6-16	03/27/01	MW-113	All SVOCs	ND	NA
MW-113	6-16	03/27/01	MW-113D	All SVOCs	ND	NA
MW-115	6-16	03/28/01	MW-115	All SVOCs	ND	NA
MW-BR1	21-31.3	03/27/01	MW-BR1	All SVOCs	ND	NA
MW-BR2	21-30.7	03/28/01	MW-BR2	All SVOCs	ND	NA
MW-BR2	21-30.7	03/28/01	MW-BR2D	All SVOCs	ND	NA
MW-BR3	21-30.8	03/26/01	MW-BR3	All SVOCs	ND	NA
Weider Hall		03/15/01	Weider Sump	All SVOCs	ND	NA

ppb - Parts Per Billion
SVOC - Semi-volatile Organic Compound
ND - Not Detected
NA- Not Applicable
s - Ambient Groundwater Standard
g - Ambient Groundwater Guidance Value

Table 15. Summary of Groundwater Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-101	9.1-19.1	03/28/01	MW-101	Aluminum	0.123	NA
MW-101	9.1-19.1	03/28/01	MW-101	Barium	0.191	1s
MW-101	9.1-19.1	03/28/01	MW-101	Calcium	150	NA
MW-101	9.1-19.1	03/28/01	MW-101	Copper	0.081	0.2s
MW-101	9.1-19.1	03/28/01	MW-101	Iron	13.8	0.3s
MW-101	9.1-19.1	03/28/01	MW-101	Magnesium	41.7	35g
MW-101	9.1-19.1	03/28/01	MW-101	Manganese	0.664	0.3s
MW-101	9.1-19.1	03/28/01	MW-101	Nickel	0.003	0.1s
MW-101	9.1-19.1	03/28/01	MW-101	Potassium	7.34	NA
MW-101	9.1-19.1	03/28/01	MW-101	Sodium	10.5	20s
MW-101	9.1-19.1	03/28/01	MW-101	Zinc	0.025	2g
MW-103	8.9-18.9	03/28/01	MW-103	Aluminum	0.095	NA
MW-103	8.9-18.9	03/28/01	MW-103	Barium	0.103	1s
MW-103	8.9-18.9	03/28/01	MW-103	Calcium	104	NA
MW-103	8.9-18.9	03/28/01	MW-103	Copper	0.038	0.2s
MW-103	8.9-18.9	03/28/01	MW-103	Iron	0.347	0.3s
MW-103	8.9-18.9	03/28/01	MW-103	Magnesium	23	35g
MW-103	8.9-18.9	03/28/01	MW-103	Manganese	0.008	0.3s
MW-103	8.9-18.9	03/28/01	MW-103	Potassium	4.26	NA
MW-103	8.9-18.9	03/28/01	MW-103	Sodium	40.7	20s
MW-103	8.9-18.9	03/28/01	MW-103	Zinc	0.015	2g
MW-104	9.2-19.2	03/26/01	MW-104	Aluminum	0.279	NA
MW-104	9.2-19.2	03/26/01	MW-104	Barium	0.105	1s
MW-104	9.2-19.2	03/26/01	MW-104	Cadmium	0.001	0.005s
MW-104	9.2-19.2	03/26/01	MW-104	Calcium	98.8	NA
MW-104	9.2-19.2	03/26/01	MW-104	Copper	0.007	0.2s
MW-104	9.2-19.2	03/26/01	MW-104	Iron	0.299	0.3s
MW-104	9.2-19.2	03/26/01	MW-104	Magnesium	18.4	35g
MW-104	9.2-19.2	03/26/01	MW-104	Manganese	0.021	0.3s
MW-104	9.2-19.2	03/26/01	MW-104	Potassium	2.78	NA
MW-104	9.2-19.2	03/26/01	MW-104	Sodium	10.2	20s
MW-104	9.2-19.2	03/26/01	MW-104	Zinc	0.035	2g
MW-105	6-16	03/28/01	MW-105	Aluminum	0.199	NA
MW-105	6-16	03/28/01	MW-105	Barium	0.094	1s
MW-105	6-16	03/28/01	MW-105	Calcium	84.8	NA
MW-105	6-16	03/28/01	MW-105	Copper	0.08	0.2s
MW-105	6-16	03/28/01	MW-105	Iron	0.25	0.3s
MW-105	6-16	03/28/01	MW-105	Magnesium	16.1	35g
MW-105	6-16	03/28/01	MW-105	Manganese	0.014	0.3s
MW-105	6-16	03/28/01	MW-105	Potassium	2.86	NA
MW-105	6-16	03/28/01	MW-105	Sodium	3.19	20s
MW-105	6-16	03/28/01	MW-105	Zinc	0.013	2g
MW-107	6-16	03/26/01	MW-107	Aluminum	0.203	NA
MW-107	6-16	03/26/01	MW-107	Barium	0.076	1s
MW-107	6-16	03/26/01	MW-107	Calcium	81.9	NA
MW-107	6-16	03/26/01	MW-107	Copper	0.005	0.2s
MW-107	6-16	03/26/01	MW-107	Iron	0.53	0.3s
MW-107	6-16	03/26/01	MW-107	Magnesium	33.6	35g
MW-107	6-16	03/26/01	MW-107	Manganese	0.024	0.3s
MW-107	6-16	03/26/01	MW-107	Potassium	5.69	NA

Table 15. Summary of Groundwater Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-107	6-16	03/26/01	MW-107	Sodium	11.2	20s
MW-107	6-16	03/26/01	MW-107	Zinc	0.019	2g
MW-108	6-16	03/28/01	MW-108	Aluminum	0.841	NA
MW-108	6-16	03/28/01	MW-108	Barium	0.087	1s
MW-108	6-16	03/28/01	MW-108	Calcium	127	NA
MW-108	6-16	03/28/01	MW-108	Copper	0.088	0.2s
MW-108	6-16	03/28/01	MW-108	Iron	1.54	0.3s
MW-108	6-16	03/28/01	MW-108	Magnesium	45.1	35g
MW-108	6-16	03/28/01	MW-108	Manganese	0.124	0.3s
MW-108	6-16	03/28/01	MW-108	Nickel	0.003	0.1s
MW-108	6-16	03/28/01	MW-108	Potassium	19.7	NA
MW-108	6-16	03/28/01	MW-108	Sodium	62.3	20s
MW-108	6-16	03/28/01	MW-108	Zinc	0.02	2g
MW-108	6-16	09/12/01	MW-108	Aluminum	0.338	NA
MW-108	6-16	09/12/01	MW-108	Arsenic	0.005	0.025s
MW-108	6-16	09/12/01	MW-108	Barium	0.075	1s
MW-108	6-16	09/12/01	MW-108	Cadmium	0.001	0.005s
MW-108	6-16	09/12/01	MW-108	Calcium	146	NA
MW-108	6-16	09/12/01	MW-108	Chromium	0.003	0.05s
MW-108	6-16	09/12/01	MW-108	Copper	0.054	0.2s
MW-108	6-16	09/12/01	MW-108	Iron	2.64	0.3s
MW-108	6-16	09/12/01	MW-108	Lead	0.008	0.025s
MW-108	6-16	09/12/01	MW-108	Magnesium	55.1	35g
MW-108	6-16	09/12/01	MW-108	Manganese	0.135	0.3s
MW-108	6-16	09/12/01	MW-108	Nickel	0.032	0.1s
MW-108	6-16	09/12/01	MW-108	Potassium	19.1	NA
MW-108	6-16	09/12/01	MW-108	Sodium	50.4	20s
MW-108	6-16	09/12/01	MW-108	Zinc	0.021	2g
MW-109	6.5-16.5	03/28/01	MW-109	Aluminum	1.35	NA
MW-109	6.5-16.5	03/28/01	MW-109	Barium	0.137	1s
MW-109	6.5-16.5	03/28/01	MW-109	Calcium	171	NA
MW-109	6.5-16.5	03/28/01	MW-109	Chromium	0.008	0.05s
MW-109	6.5-16.5	03/28/01	MW-109	Copper	0.091	0.2s
MW-109	6.5-16.5	03/28/01	MW-109	Iron	2.37	0.3s
MW-109	6.5-16.5	03/28/01	MW-109	Lead	0.008	0.025s
MW-109	6.5-16.5	03/28/01	MW-109	Magnesium	40.8	35g
MW-109	6.5-16.5	03/28/01	MW-109	Manganese	0.13	0.3s
MW-109	6.5-16.5	03/28/01	MW-109	Nickel	0.007	0.1s
MW-109	6.5-16.5	03/28/01	MW-109	Potassium	2.17	NA
MW-109	6.5-16.5	03/28/01	MW-109	Sodium	13	20s
MW-109	6.5-16.5	03/28/01	MW-109	Vanadium	0.004	NA
MW-109	6.5-16.5	03/28/01	MW-109	Zinc	0.02	2g
MW-110	6-16	03/28/01	MW-110	Aluminum	0.789	NA
MW-110	6-16	03/28/01	MW-110	Barium	0.09	1s
MW-110	6-16	03/28/01	MW-110	Calcium	117	NA
MW-110	6-16	03/28/01	MW-110	Copper	0.074	0.2s
MW-110	6-16	03/28/01	MW-110	Iron	1.43	0.3s
MW-110	6-16	03/28/01	MW-110	Magnesium	24.1	35g
MW-110	6-16	03/28/01	MW-110	Manganese	0.047	0.3s
MW-110	6-16	03/28/01	MW-110	Potassium	2.72	NA

Table 15. Summary of Groundwater Results
Metals Sorted By Location
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-110	6-16	03/28/01	MW-110	Sodium	3.88	20s
MW-110	6-16	03/28/01	MW-110	Zinc	0.018	2g
MW-111	6-16	03/28/01	MW-111	Aluminum	1.71	NA
MW-111	6-16	03/28/01	MW-111	Barium	0.092	1s
MW-111	6-16	03/28/01	MW-111	Calcium	139	NA
MW-111	6-16	03/28/01	MW-111	Chromium	0.003	0.05s
MW-111	6-16	03/28/01	MW-111	Copper	0.071	0.2s
MW-111	6-16	03/28/01	MW-111	Iron	2.92	0.3s
MW-111	6-16	03/28/01	MW-111	Magnesium	23.3	35g
MW-111	6-16	03/28/01	MW-111	Manganese	0.086	0.3s
MW-111	6-16	03/28/01	MW-111	Nickel	0.003	0.1s
MW-111	6-16	03/28/01	MW-111	Potassium	2.9	NA
MW-111	6-16	03/28/01	MW-111	Sodium	11.9	20s
MW-111	6-16	03/28/01	MW-111	Vanadium	0.004	NA
MW-111	6-16	03/28/01	MW-111	Zinc	0.017	2g
MW-112	6-16	03/26/01	MW-112	Aluminum	1.37	NA
MW-112	6-16	03/26/01	MW-112	Barium	0.053	1s
MW-112	6-16	03/26/01	MW-112	Cadmium	0.002	0.005s
MW-112	6-16	03/26/01	MW-112	Calcium	106	NA
MW-112	6-16	03/26/01	MW-112	Copper	0.006	0.2s
MW-112	6-16	03/26/01	MW-112	Iron	1.54	0.3s
MW-112	6-16	03/26/01	MW-112	Magnesium	54.6	35g
MW-112	6-16	03/26/01	MW-112	Manganese	0.13	0.3s
MW-112	6-16	03/26/01	MW-112	Nickel	0.004	0.1s
MW-112	6-16	03/26/01	MW-112	Potassium	5.24	NA
MW-112	6-16	03/26/01	MW-112	Sodium	53.8	20s
MW-112	6-16	03/26/01	MW-112	Zinc	0.051	2g
MW-113	6-16	03/28/01	MW-113	Aluminum	0.12	NA
MW-113	6-16	03/28/01	MW-113	Barium	0.188	1s
MW-113	6-16	03/28/01	MW-113	Calcium	238	NA
MW-113	6-16	03/28/01	MW-113	Copper	0.098	0.2s
MW-113	6-16	03/28/01	MW-113	Iron	0.36	0.3s
MW-113	6-16	03/28/01	MW-113	Magnesium	64.7	35g
MW-113	6-16	03/28/01	MW-113	Manganese	0.034	0.3s
MW-113	6-16	03/28/01	MW-113	Potassium	19.9	NA
MW-113	6-16	03/28/01	MW-113	Sodium	365	20s
MW-113	6-16	03/28/01	MW-113	Zinc	0.014	2g
MW-113	6-16	03/28/01	MW-113D	Aluminum	2.8	NA
MW-113	6-16	03/28/01	MW-113D	Barium	0.26	1s
MW-113	6-16	03/28/01	MW-113D	Calcium	239	NA
MW-113	6-16	03/28/01	MW-113D	Copper	0.104	0.2s
MW-113	6-16	03/28/01	MW-113D	Iron	0.545	0.3s
MW-113	6-16	03/28/01	MW-113D	Magnesium	65.6	35g
MW-113	6-16	03/28/01	MW-113D	Manganese	0.066	0.3s
MW-113	6-16	03/28/01	MW-113D	Nickel	0.003	0.1s
MW-113	6-16	03/28/01	MW-113D	Potassium	20.3	NA
MW-113	6-16	03/28/01	MW-113D	Sodium	368	20s
MW-113	6-16	03/28/01	MW-113D	Zinc	0.017	2g
MW-113	6-16	09/12/01	MW-113	Aluminum	0.179	NA
MW-113	6-16	09/12/01	MW-113	Barium	0.189	1s

Table 15. Summary of Groundwater Results
Metals Sorted By Location
Davidson's Collision
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Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-113	6-16	09/12/01	MW-113	Cadmium	0.002	0.005s
MW-113	6-16	09/12/01	MW-113	Calcium	150	NA
MW-113	6-16	09/12/01	MW-113	Copper	0.061	0.2s
MW-113	6-16	09/12/01	MW-113	Iron	0.393	0.3s
MW-113	6-16	09/12/01	MW-113	Lead	0.012	0.025s
MW-113	6-16	09/12/01	MW-113	Magnesium	47.2	35g
MW-113	6-16	09/12/01	MW-113	Manganese	0.259	0.3s
MW-113	6-16	09/12/01	MW-113	Nickel	0.035	0.1s
MW-113	6-16	09/12/01	MW-113	Potassium	25.3	NA
MW-113	6-16	09/12/01	MW-113	Sodium	77.3	20s
MW-113	6-16	09/12/01	MW-113	Vanadium	0.048	NA
MW-113	6-16	09/12/01	MW-113	Zinc	0.054	2g
MW-115	6-16	03/28/01	MW-115	Aluminum	3.03	NA
MW-115	6-16	03/28/01	MW-115	Barium	0.079	1s
MW-115	6-16	03/28/01	MW-115	Calcium	126	NA
MW-115	6-16	03/28/01	MW-115	Chromium	0.005	0.05s
MW-115	6-16	03/28/01	MW-115	Copper	0.095	0.2s
MW-115	6-16	03/28/01	MW-115	Iron	5.05	0.3s
MW-115	6-16	03/28/01	MW-115	Lead	0.007	0.025s
MW-115	6-16	03/28/01	MW-115	Magnesium	20.6	35g
MW-115	6-16	03/28/01	MW-115	Manganese	0.113	0.3s
MW-115	6-16	03/28/01	MW-115	Nickel	0.004	0.1s
MW-115	6-16	03/28/01	MW-115	Potassium	6.45	NA
MW-115	6-16	03/28/01	MW-115	Sodium	8.46	20s
MW-115	6-16	03/28/01	MW-115	Vanadium	0.008	NA
MW-115	6-16	03/28/01	MW-115	Zinc	0.022	2g
MW-BR1	21-31.3	03/27/01	MW-BR1	Aluminum	0.169	NA
MW-BR1	21-31.3	03/27/01	MW-BR1	Barium	0.123	1s
MW-BR1	21-31.3	03/27/01	MW-BR1	Calcium	93.6	NA
MW-BR1	21-31.3	03/27/01	MW-BR1	Copper	0.019	0.2s
MW-BR1	21-31.3	03/27/01	MW-BR1	Iron	3.64	0.3s
MW-BR1	21-31.3	03/27/01	MW-BR1	Magnesium	24.8	35g
MW-BR1	21-31.3	03/27/01	MW-BR1	Manganese	0.394	0.3s
MW-BR1	21-31.3	03/27/01	MW-BR1	Potassium	10.4	NA
MW-BR1	21-31.3	03/27/01	MW-BR1	Sodium	8.56	20s
MW-BR1	21-31.3	03/27/01	MW-BR1	Zinc	0.033	2g
MW-BR2	21-30.7	03/28/01	MW-BR2	Aluminum	0.451	NA
MW-BR2	21-30.7	03/28/01	MW-BR2	Barium	0.081	1s
MW-BR2	21-30.7	03/28/01	MW-BR2	Calcium	119	NA
MW-BR2	21-30.7	03/28/01	MW-BR2	Copper	0.178	0.2s
MW-BR2	21-30.7	03/28/01	MW-BR2	Iron	3.36	0.3s
MW-BR2	21-30.7	03/28/01	MW-BR2	Lead	0.018	0.025s
MW-BR2	21-30.7	03/28/01	MW-BR2	Magnesium	36.5	35g
MW-BR2	21-30.7	03/28/01	MW-BR2	Manganese	0.086	0.3s
MW-BR2	21-30.7	03/28/01	MW-BR2	Nickel	0.004	0.1s
MW-BR2	21-30.7	03/28/01	MW-BR2	Potassium	18.2	NA
MW-BR2	21-30.7	03/28/01	MW-BR2	Sodium	41.4	20s
MW-BR2	21-30.7	03/28/01	MW-BR2	Zinc	0.024	2g
MW-BR2	21-30.7	03/28/01	MW-BR2D	Aluminum	0.325	NA
MW-BR2	21-30.7	03/28/01	MW-BR2D	Barium	0.082	1s

Table 15. Summary of Groundwater Results
Metals Sorted By Location
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Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-BR2	21-30.7	03/28/01	MW-BR2D	Calcium	128	NA
MW-BR2	21-30.7	03/28/01	MW-BR2D	Copper	0.075	0.2s
MW-BR2	21-30.7	03/28/01	MW-BR2D	Iron	2.61	0.3s
MW-BR2	21-30.7	03/28/01	MW-BR2D	Magnesium	38.4	35g
MW-BR2	21-30.7	03/28/01	MW-BR2D	Manganese	0.086	0.3s
MW-BR2	21-30.7	03/28/01	MW-BR2D	Potassium	19.5	NA
MW-BR2	21-30.7	03/28/01	MW-BR2D	Sodium	45.3	20s
MW-BR2	21-30.7	03/28/01	MW-BR2D	Zinc	0.021	2g
MW-BR3	21-30.8	03/26/01	MW-BR3	Aluminum	0.098	NA
MW-BR3	21-30.8	03/26/01	MW-BR3	Barium	0.071	1s
MW-BR3	21-30.8	03/26/01	MW-BR3	Cadmium	0.016	0.005s
MW-BR3	21-30.8	03/26/01	MW-BR3	Calcium	97.8	NA
MW-BR3	21-30.8	03/26/01	MW-BR3	Copper	0.016	0.2s
MW-BR3	21-30.8	03/26/01	MW-BR3	Iron	4.74	0.3s
MW-BR3	21-30.8	03/26/01	MW-BR3	Magnesium	30.9	35g
MW-BR3	21-30.8	03/26/01	MW-BR3	Manganese	0.248	0.3s
MW-BR3	21-30.8	03/26/01	MW-BR3	Potassium	10.7	NA
MW-BR3	21-30.8	03/26/01	MW-BR3	Sodium	39.2	20s
MW-BR3	21-30.8	03/26/01	MW-BR3	Zinc	0.041	2g
Weider Hall		03/15/01	Weider Sump	Aluminum	0.073	NA
Weider Hall		03/15/01	Weider Sump	Barium	0.128	1s
Weider Hall		03/15/01	Weider Sump	Calcium	143	NA
Weider Hall		03/15/01	Weider Sump	Copper	0.063	0.2s
Weider Hall		03/15/01	Weider Sump	Iron	0.047	0.3s
Weider Hall		03/15/01	Weider Sump	Magnesium	34.6	35g
Weider Hall		03/15/01	Weider Sump	Potassium	9.21	NA
Weider Hall		03/15/01	Weider Sump	Selenium	0.018	0.01s
Weider Hall		03/15/01	Weider Sump	Sodium	42.6	20s
Weider Hall		03/15/01	Weider Sump	Zinc	0.055	2g

ppm - Parts Per Million
NA- Not Applicable
s - Ambient Groundwater Standard
g - Ambient Groundwater Guidance Value

Table 16. Summary of Groundwater Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-115	6-16	03/28/01	MW-115	Aluminum	3.03	NA
MW-113	6-16	03/28/01	MW-113D	Aluminum	2.8	NA
MW-111	6-16	03/28/01	MW-111	Aluminum	1.71	NA
MW-112	6-16	03/26/01	MW-112	Aluminum	1.37	NA
MW-109	6.5-16.5	03/28/01	MW-109	Aluminum	1.35	NA
MW-108	6-16	03/28/01	MW-108	Aluminum	0.841	NA
MW-110	6-16	03/28/01	MW-110	Aluminum	0.789	NA
MW-BR2	21-30.7	03/28/01	MW-BR2	Aluminum	0.451	NA
MW-108	6-16	09/12/01	MW-108	Aluminum	0.338	NA
MW-BR2	21-30.7	03/28/01	MW-BR2D	Aluminum	0.325	NA
MW-104	9.2-19.2	03/26/01	MW-104	Aluminum	0.279	NA
MW-107	6-16	03/26/01	MW-107	Aluminum	0.203	NA
MW-105	6-16	03/28/01	MW-105	Aluminum	0.199	NA
MW-113	6-16	09/12/01	MW-113	Aluminum	0.179	NA
MW-BR1	21-31.3	03/27/01	MW-BR1	Aluminum	0.169	NA
MW-101	9.1-19.1	03/28/01	MW-101	Aluminum	0.123	NA
MW-113	6-16	03/28/01	MW-113	Aluminum	0.12	NA
MW-BR3	21-30.8	03/26/01	MW-BR3	Aluminum	0.098	NA
MW-103	8.9-18.9	03/28/01	MW-103	Aluminum	0.095	NA
Weider Hall		03/15/01	Weider Sump	Aluminum	0.073	NA
MW-108	6-16	09/12/01	MW-108	Arsenic	0.005	0.025s
MW-113	6-16	03/28/01	MW-113D	Barium	0.26	1s
MW-101	9.1-19.1	03/28/01	MW-101	Barium	0.191	1s
MW-113	6-16	09/12/01	MW-113	Barium	0.189	1s
MW-113	6-16	03/28/01	MW-113	Barium	0.188	1s
MW-109	6.5-16.5	03/28/01	MW-109	Barium	0.137	1s
Weider Hall		03/15/01	Weider Sump	Barium	0.128	1s
MW-BR1	21-31.3	03/27/01	MW-BR1	Barium	0.123	1s
MW-104	9.2-19.2	03/26/01	MW-104	Barium	0.105	1s
MW-103	8.9-18.9	03/28/01	MW-103	Barium	0.103	1s
MW-105	6-16	03/28/01	MW-105	Barium	0.094	1s
MW-111	6-16	03/28/01	MW-111	Barium	0.092	1s
MW-110	6-16	03/28/01	MW-110	Barium	0.09	1s
MW-108	6-16	03/28/01	MW-108	Barium	0.087	1s
MW-BR2	21-30.7	03/28/01	MW-BR2D	Barium	0.082	1s
MW-BR2	21-30.7	03/28/01	MW-BR2	Barium	0.081	1s
MW-115	6-16	03/28/01	MW-115	Barium	0.079	1s
MW-107	6-16	03/26/01	MW-107	Barium	0.076	1s
MW-108	6-16	09/12/01	MW-108	Barium	0.075	1s
MW-BR3	21-30.8	03/26/01	MW-BR3	Barium	0.071	1s
MW-112	6-16	03/26/01	MW-112	Barium	0.053	1s
MW-BR3	21-30.8	03/26/01	MW-BR3	Cadmium	0.016	0.005s
MW-112	6-16	03/26/01	MW-112	Cadmium	0.002	0.005s
MW-113	6-16	09/12/01	MW-113	Cadmium	0.002	0.005s
MW-108	6-16	09/12/01	MW-108	Cadmium	0.001	0.005s
MW-104	9.2-19.2	03/26/01	MW-104	Cadmium	0.001	0.005s
MW-113	6-16	03/28/01	MW-113D	Calcium	239	NA
MW-113	6-16	03/28/01	MW-113	Calcium	238	NA
MW-109	6.5-16.5	03/28/01	MW-109	Calcium	171	NA

Table 16. Summary of Groundwater Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-101	9.1-19.1	03/28/01	MW-101	Calcium	150	NA
MW-113	6-16	09/12/01	MW-113	Calcium	150	NA
MW-108	6-16	09/12/01	MW-108	Calcium	146	NA
Weider Hall		03/15/01	Weider Sump	Calcium	143	NA
MW-111	6-16	03/28/01	MW-111	Calcium	139	NA
MW-BR2	21-30.7	03/28/01	MW-BR2D	Calcium	128	NA
MW-108	6-16	03/28/01	MW-108	Calcium	127	NA
MW-115	6-16	03/28/01	MW-115	Calcium	126	NA
MW-BR2	21-30.7	03/28/01	MW-BR2	Calcium	119	NA
MW-110	6-16	03/28/01	MW-110	Calcium	117	NA
MW-112	6-16	03/26/01	MW-112	Calcium	106	NA
MW-103	8.9-18.9	03/28/01	MW-103	Calcium	104	NA
MW-104	9.2-19.2	03/26/01	MW-104	Calcium	98.8	NA
MW-BR3	21-30.8	03/26/01	MW-BR3	Calcium	97.8	NA
MW-BR1	21-31.3	03/27/01	MW-BR1	Calcium	93.6	NA
MW-105	6-16	03/28/01	MW-105	Calcium	84.8	NA
MW-107	6-16	03/26/01	MW-107	Calcium	81.9	NA
MW-109	6.5-16.5	03/28/01	MW-109	Chromium	0.008	0.05s
MW-115	6-16	03/28/01	MW-115	Chromium	0.005	0.05s
MW-108	6-16	09/12/01	MW-108	Chromium	0.003	0.05s
MW-111	6-16	03/28/01	MW-111	Chromium	0.003	0.05s
MW-BR2	21-30.7	03/28/01	MW-BR2	Copper	0.178	0.2s
MW-113	6-16	03/28/01	MW-113D	Copper	0.104	0.2s
MW-113	6-16	03/28/01	MW-113	Copper	0.098	0.2s
MW-115	6-16	03/28/01	MW-115	Copper	0.095	0.2s
MW-109	6.5-16.5	03/28/01	MW-109	Copper	0.091	0.2s
MW-108	6-16	03/28/01	MW-108	Copper	0.088	0.2s
MW-101	9.1-19.1	03/28/01	MW-101	Copper	0.081	0.2s
MW-105	6-16	03/28/01	MW-105	Copper	0.08	0.2s
MW-BR2	21-30.7	03/28/01	MW-BR2D	Copper	0.075	0.2s
MW-110	6-16	03/28/01	MW-110	Copper	0.074	0.2s
MW-111	6-16	03/28/01	MW-111	Copper	0.071	0.2s
Weider Hall		03/15/01	Weider Sump	Copper	0.063	0.2s
MW-113	6-16	09/12/01	MW-113	Copper	0.061	0.2s
MW-108	6-16	09/12/01	MW-108	Copper	0.054	0.2s
MW-103	8.9-18.9	03/28/01	MW-103	Copper	0.038	0.2s
MW-BR1	21-31.3	03/27/01	MW-BR1	Copper	0.019	0.2s
MW-BR3	21-30.8	03/26/01	MW-BR3	Copper	0.016	0.2s
MW-104	9.2-19.2	03/26/01	MW-104	Copper	0.007	0.2s
MW-112	6-16	03/26/01	MW-112	Copper	0.006	0.2s
MW-107	6-16	03/26/01	MW-107	Copper	0.005	0.2s
MW-101	9.1-19.1	03/28/01	MW-101	Iron	13.8	0.3s
MW-115	6-16	03/28/01	MW-115	Iron	5.05	0.3s
MW-BR3	21-30.8	03/26/01	MW-BR3	Iron	4.74	0.3s
MW-BR1	21-31.3	03/27/01	MW-BR1	Iron	3.64	0.3s
MW-BR2	21-30.7	03/28/01	MW-BR2	Iron	3.36	0.3s
MW-111	6-16	03/28/01	MW-111	Iron	2.92	0.3s
MW-108	6-16	09/12/01	MW-108	Iron	2.64	0.3s
MW-BR2	21-30.7	03/28/01	MW-BR2D	Iron	2.61	0.3s

Table 16. Summary of Groundwater Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-109	6.5-16.5	03/28/01	MW-109	Iron	2.37	0.3s
MW-112	6-16	03/26/01	MW-112	Iron	1.54	0.3s
MW-108	6-16	03/28/01	MW-108	Iron	1.54	0.3s
MW-110	6-16	03/28/01	MW-110	Iron	1.43	0.3s
MW-113	6-16	03/28/01	MW-113D	Iron	0.545	0.3s
MW-107	6-16	03/26/01	MW-107	Iron	0.53	0.3s
MW-113	6-16	09/12/01	MW-113	Iron	0.393	0.3s
MW-113	6-16	03/28/01	MW-113	Iron	0.36	0.3s
MW-103	8.9-18.9	03/28/01	MW-103	Iron	0.347	0.3s
MW-104	9.2-19.2	03/26/01	MW-104	Iron	0.299	0.3s
MW-105	6-16	03/28/01	MW-105	Iron	0.25	0.3s
Weider Hall		03/15/01	Weider Sump	Iron	0.047	0.3s
MW-BR2	21-30.7	03/28/01	MW-BR2	Lead	0.018	0.025s
MW-113	6-16	09/12/01	MW-113	Lead	0.012	0.025s
MW-108	6-16	09/12/01	MW-108	Lead	0.008	0.025s
MW-109	6.5-16.5	03/28/01	MW-109	Lead	0.008	0.025s
MW-115	6-16	03/28/01	MW-115	Lead	0.007	0.025s
MW-113	6-16	03/28/01	MW-113D	Magnesium	65.6	35g
MW-113	6-16	03/28/01	MW-113	Magnesium	64.7	35g
MW-108	6-16	09/12/01	MW-108	Magnesium	55.1	35g
MW-112	6-16	03/26/01	MW-112	Magnesium	54.6	35g
MW-113	6-16	09/12/01	MW-113	Magnesium	47.2	35g
MW-108	6-16	03/28/01	MW-108	Magnesium	45.1	35g
MW-101	9.1-19.1	03/28/01	MW-101	Magnesium	41.7	35g
MW-109	6.5-16.5	03/28/01	MW-109	Magnesium	40.8	35g
MW-BR2	21-30.7	03/28/01	MW-BR2D	Magnesium	38.4	35g
MW-BR2	21-30.7	03/28/01	MW-BR2	Magnesium	36.5	35g
Weider Hall		03/15/01	Weider Sump	Magnesium	34.6	35g
MW-107	6-16	03/26/01	MW-107	Magnesium	33.6	35g
MW-BR3	21-30.8	03/26/01	MW-BR3	Magnesium	30.9	35g
MW-BR1	21-31.3	03/27/01	MW-BR1	Magnesium	24.8	35g
MW-110	6-16	03/28/01	MW-110	Magnesium	24.1	35g
MW-111	6-16	03/28/01	MW-111	Magnesium	23.3	35g
MW-103	8.9-18.9	03/28/01	MW-103	Magnesium	23	35g
MW-115	6-16	03/28/01	MW-115	Magnesium	20.6	35g
MW-104	9.2-19.2	03/26/01	MW-104	Magnesium	18.4	35g
MW-105	6-16	03/28/01	MW-105	Magnesium	16.1	35g
MW-101	9.1-19.1	03/28/01	MW-101	Manganese	0.664	0.3s
MW-BR1	21-31.3	03/27/01	MW-BR1	Manganese	0.394	0.3s
MW-113	6-16	09/12/01	MW-113	Manganese	0.259	0.3s
MW-BR3	21-30.8	03/26/01	MW-BR3	Manganese	0.248	0.3s
MW-108	6-16	09/12/01	MW-108	Manganese	0.135	0.3s
MW-112	6-16	03/26/01	MW-112	Manganese	0.13	0.3s
MW-109	6.5-16.5	03/28/01	MW-109	Manganese	0.13	0.3s
MW-108	6-16	03/28/01	MW-108	Manganese	0.124	0.3s
MW-115	6-16	03/28/01	MW-115	Manganese	0.113	0.3s
MW-BR2	21-30.7	03/28/01	MW-BR2	Manganese	0.086	0.3s
MW-111	6-16	03/28/01	MW-111	Manganese	0.086	0.3s
MW-BR2	21-30.7	03/28/01	MW-BR2D	Manganese	0.086	0.3s

Table 16. Summary of Groundwater Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-113	6-16	03/28/01	MW-113D	Manganese	0.066	0.3s
MW-110	6-16	03/28/01	MW-110	Manganese	0.047	0.3s
MW-113	6-16	03/28/01	MW-113	Manganese	0.034	0.3s
MW-107	6-16	03/26/01	MW-107	Manganese	0.024	0.3s
MW-104	9.2-19.2	03/26/01	MW-104	Manganese	0.021	0.3s
MW-105	6-16	03/28/01	MW-105	Manganese	0.014	0.3s
MW-103	8.9-18.9	03/28/01	MW-103	Manganese	0.008	0.3s
MW-113	6-16	09/12/01	MW-113	Nickel	0.035	0.1s
MW-108	6-16	09/12/01	MW-108	Nickel	0.032	0.1s
MW-109	6.5-16.5	03/28/01	MW-109	Nickel	0.007	0.1s
MW-112	6-16	03/26/01	MW-112	Nickel	0.004	0.1s
MW-BR2	21-30.7	03/28/01	MW-BR2	Nickel	0.004	0.1s
MW-115	6-16	03/28/01	MW-115	Nickel	0.004	0.1s
MW-111	6-16	03/28/01	MW-111	Nickel	0.003	0.1s
MW-108	6-16	03/28/01	MW-108	Nickel	0.003	0.1s
MW-101	9.1-19.1	03/28/01	MW-101	Nickel	0.003	0.1s
MW-113	6-16	03/28/01	MW-113D	Nickel	0.003	0.1s
MW-113	6-16	09/12/01	MW-113	Potassium	25.3	NA
MW-113	6-16	03/28/01	MW-113D	Potassium	20.3	NA
MW-113	6-16	03/28/01	MW-113	Potassium	19.9	NA
MW-108	6-16	03/28/01	MW-108	Potassium	19.7	NA
MW-BR2	21-30.7	03/28/01	MW-BR2D	Potassium	19.5	NA
MW-108	6-16	09/12/01	MW-108	Potassium	19.1	NA
MW-BR2	21-30.7	03/28/01	MW-BR2	Potassium	18.2	NA
MW-BR3	21-30.8	03/26/01	MW-BR3	Potassium	10.7	NA
MW-BR1	21-31.3	03/27/01	MW-BR1	Potassium	10.4	NA
Weider Hall		03/15/01	Weider Sump	Potassium	9.21	NA
MW-101	9.1-19.1	03/28/01	MW-101	Potassium	7.34	NA
MW-115	6-16	03/28/01	MW-115	Potassium	6.45	NA
MW-107	6-16	03/26/01	MW-107	Potassium	5.69	NA
MW-112	6-16	03/26/01	MW-112	Potassium	5.24	NA
MW-103	8.9-18.9	03/28/01	MW-103	Potassium	4.26	NA
MW-111	6-16	03/28/01	MW-111	Potassium	2.9	NA
MW-105	6-16	03/28/01	MW-105	Potassium	2.86	NA
MW-104	9.2-19.2	03/26/01	MW-104	Potassium	2.78	NA
MW-110	6-16	03/28/01	MW-110	Potassium	2.72	NA
MW-109	6.5-16.5	03/28/01	MW-109	Potassium	2.17	NA
Weider Hall		03/15/01	Weider Sump	Selenium	0.018	0.01s
MW-113	6-16	03/28/01	MW-113D	Sodium	368	20s
MW-113	6-16	03/28/01	MW-113	Sodium	365	20s
MW-113	6-16	09/12/01	MW-113	Sodium	77.3	20s
MW-108	6-16	03/28/01	MW-108	Sodium	62.3	20s
MW-112	6-16	03/26/01	MW-112	Sodium	53.8	20s
MW-108	6-16	09/12/01	MW-108	Sodium	50.4	20s
MW-BR2	21-30.7	03/28/01	MW-BR2D	Sodium	45.3	20s
Weider Hall		03/15/01	Weider Sump	Sodium	42.6	20s
MW-BR2	21-30.7	03/28/01	MW-BR2	Sodium	41.4	20s
MW-103	8.9-18.9	03/28/01	MW-103	Sodium	40.7	20s
MW-BR3	21-30.8	03/26/01	MW-BR3	Sodium	39.2	20s

Table 16. Summary of Groundwater Results
Metals Sorted By Compound
Davidson's Collision
2000 - 2002 Site Investigation

Location	Depth (ft)	Sample Date	Sample Number	Compound	Concentration (ppm)	Standard/ Guidance (ppm)
MW-109	6.5-16.5	03/28/01	MW-109	Sodium	13	20s
MW-111	6-16	03/28/01	MW-111	Sodium	11.9	20s
MW-107	6-16	03/26/01	MW-107	Sodium	11.2	20s
MW-101	9.1-19.1	03/28/01	MW-101	Sodium	10.5	20s
MW-104	9.2-19.2	03/26/01	MW-104	Sodium	10.2	20s
MW-BR1	21-31.3	03/27/01	MW-BR1	Sodium	8.56	20s
MW-115	6-16	03/28/01	MW-115	Sodium	8.46	20s
MW-110	6-16	03/28/01	MW-110	Sodium	3.88	20s
MW-105	6-16	03/28/01	MW-105	Sodium	3.19	20s
MW-113	6-16	09/12/01	MW-113	Vanadium	0.048	NA
MW-115	6-16	03/28/01	MW-115	Vanadium	0.008	NA
MW-109	6.5-16.5	03/28/01	MW-109	Vanadium	0.004	NA
MW-111	6-16	03/28/01	MW-111	Vanadium	0.004	NA
Weider Hall		03/15/01	Weider Sump	Zinc	0.055	2g
MW-113	6-16	09/12/01	MW-113	Zinc	0.054	2g
MW-112	6-16	03/26/01	MW-112	Zinc	0.051	2g
MW-BR3	21-30.8	03/26/01	MW-BR3	Zinc	0.041	2g
MW-104	9.2-19.2	03/26/01	MW-104	Zinc	0.035	2g
MW-BR1	21-31.3	03/27/01	MW-BR1	Zinc	0.033	2g
MW-101	9.1-19.1	03/28/01	MW-101	Zinc	0.025	2g
MW-BR2	21-30.7	03/28/01	MW-BR2	Zinc	0.024	2g
MW-115	6-16	03/28/01	MW-115	Zinc	0.022	2g
MW-BR2	21-30.7	03/28/01	MW-BR2D	Zinc	0.021	2g
MW-108	6-16	09/12/01	MW-108	Zinc	0.021	2g
MW-108	6-16	03/28/01	MW-108	Zinc	0.02	2g
MW-109	6.5-16.5	03/28/01	MW-109	Zinc	0.02	2g
MW-107	6-16	03/26/01	MW-107	Zinc	0.019	2g
MW-110	6-16	03/28/01	MW-110	Zinc	0.018	2g
MW-113	6-16	03/28/01	MW-113D	Zinc	0.017	2g
MW-111	6-16	03/28/01	MW-111	Zinc	0.017	2g
MW-103	8.9-18.9	03/28/01	MW-103	Zinc	0.015	2g
MW-113	6-16	03/28/01	MW-113	Zinc	0.014	2g
MW-105	6-16	03/28/01	MW-105	Zinc	0.013	2g

ppm - Parts Per Million
NA- Not Applicable
s - Ambient Groundwater Standard
g - Ambient Groundwater Guidance Value

PHASE II INVESTIGATION

FOR

DAVIDSON'S COLLISION
399 GREGORY STREET
ROCHESTER, NEW YORK 14620

Prepared by:

Day Engineering, P.C.
2144 Brighton-Henrietta Town Line Road
Rochester, New York 14623

Date:

September, 1991

TABLE 1

ANALYTICAL PROGRAM

SAMPLING LOCATION	TYPE OF SAMPLE	LABORATORY NUMBER	ANALYSES PERFORMED
55-Gallon Drum	Waste Oil (Grab)	001	Volatiles, pH, Ignitability, Reactivity, TCLP Metals, PCBs
Stained soil next to Waste Oil Drum	Soil (Grab)	002	Volatiles, pH, Ignitability, Reactivity, TCLP Metals, PCBs
Former Waste Paint Area	Soil (Grab)	003	Volatiles
Hydraulic Lift Pit	Fluids & Sediments (Grab)	004	Volatiles

TABLE 2

TCLP METALS
mg/l (ppm)

ANALYTE	REGULATORY LIMIT	WASTE OIL DRUM SAMPLE	STAINED SOIL NEXT TO WASTE OIL DRUM
arsenic	5.0	5.0 U	0.5 U
barium	100.0	19.4	0.227
cadmium	1.0	1.0 U	0.10 U
chromium	5.0	9.73	0.10 U
lead	5.0	2,270	3.72
mercury	0.2	0.1 U	0.0020 U
selenium	1.0	1.0 U	0.50 U
silver	5.0	5.0 U	0.10 U

U = Indicates compound was analyzed for but was observed at a quantifiable concentration.

TABLE 3

VOCs DETECTED
(mg\kg or ppm)

COMPOUND	WASTE OIL DRUM SAMPLE	STAINED SOIL NEXT TO WASTE OIL DRUM	SOILS IN FORMER WASTE PAINT AREA	HYDRAULIC LIFT PIT SAMPLE
ethylbenzene	1,000	11.6	1,750	2.5 U
methylene chloride	125 U	2.5 U	250 U	3.56
styrene	125	2.5 U	250 U	2.5 U
toluene	2,760	19.3	60,900	9.12
xylene	5,690	74.1	8,730	4.63

U = Indicates compound was analyzed for but was observed at a quantifiable concentration.

TABLE 4

PROPOSED SOIL CLEANUP GOALS
(mg/kg or ppm)

COMPOUND	USEPA RFI HEALTH BASED CRITERIA	WATER-SOIL PARTITIONING MODEL
ethylbenzene	8,000	5.5
toluene	2,000	1.5
xylene (o,m,p)	200,000	1.2

TABLE 5

SOIL SAMPLE FROM FORMER WASTE PAINT AREA
COMPARED TO PROPOSED SOIL CLEANUP GOALS
(mg/kg or ppm)

COMPOUND	PROPOSED SOIL CLEANUP GOAL	SOIL SAMPLE FROM WASTE PAINT AREA
ethylbenzene	5.5	1,750
toluene	1.5	60,900
xylene (o,m,p)	1.2	8,730

NYSDEC SUPERFUND STANDBY CONTRACT
WORK ASSIGNMENT NO. D002472-14.1

PRELIMINARY SITE ASSESSMENT REPORT

DAVIDSON'S COLLISION SITE
MONROE COUNTY, NEW YORK

SITE NO. 828091

Submitted to:

New York State Department of Environmental Conservation
Albany, New York

Submitted by:

ABB Environmental Services
Portland, Maine

August 1995

Prepared by:	Submitted by:	Approved by:
Cornelia B. Morin	Cynthia J. Talbot	Robert E. Handy, Jr., P.E.
Site Manager	Project Manager	Program Manager
ABB Environmental Services	ABB Environmental Services	ABB Environmental Services

TABLE 1
SUMMARY OF SITE ASSESSMENT SAMPLING RESULTS

DAVIDSON'S COLLISION SITE
ROCHESTER, NEW YORK

COMPOUND	TCLP REGULATORY LIMIT	WASTE OIL SAMPLE	SOIL NEAR WASTE OIL DRUM	SOIL NEAR PAINT DISPOSAL AREA	HYDRAULIC LIFT PIT
Volatile Organic Compounds[1] (µg/kg)					
Ethylbenzene	na	1,000,000	11,600	1,750,000	--
Methylene Chloride	na	--	--	--	3,560
Styrene	na	125,000	--	--	--
Toluene	na	2,760,000	19,300	60,900,000	9,120
Xylenes	na	5,690,000	74,100	8,730,000	4,630
Toxicity Characteristic Leaching Procedure[2] (mg/L)					
Chromium	5.0	9.73	--	NA	NA
Lead	5.0	2270	3.72	NA	NA

Source: Day Engineering, P.C., 1991. Phase II Investigation for Davidson's Collision. Rochester, NY September.

Notes:

[1] Only analytes detected above Contract Required Quantitation Limit are listed.
[2] Only inorganics detected at concentrations above TCLP Regulatory Limit are listed.

--	=	not detected
mg/L	=	milligrams per liter
na	=	not applicable
NA	=	not analyzed
TCLP	=	Toxicity Characteristic Leaching Procedure
µg/kg	=	microgram per kilogram

TABLE 2
SUMMARY OF NYSDEC DEE SAMPLING DATA

DAVIDSON'S COLLISION
ROCHESTER, NEW YORK

COMPOUND (µG/KG)	DRUM SAMPLE 1	DRUM SAMPLE 2	DRUM SAMPLE 3	DRUM SAMPLE 4	DRUM SAMPLE 5	DRUM SAMPLE 6
Acetone	--	87,000 B	180,000 B	370,000	25,000 J	120,000
Ethylbenzene	--	--	43,000	69,000	--	180,000
Toluene	480 J	600 J	920,000	1,200,000	5,800 J	1,300,000
Xylene	36,000	100,000	970,000	930,000	560,000	1,400,000
2-Butanone	460 J	2,200 J	18,000 JB	29,000 JB	--	--
Methylene Chloride	1,400 B	5,500 B	39,000 B	31,000 JB	8,200 JB	27,000 JB

Notes:

Source: New York Department of Environmental Conservation, 1993. Memorandum from Tom Johnson, NYDSEC DEE reporting sampling results for six soil samples collected from drums of excavated soil stored at the Davidson's Collision site. December.

B = detected in blank
J = tentatively identified compound
µg/kg = microgram per kilogram

SECTION 3.0

ANALYTICAL DATA TABLES

Table 3
Surface Soil Sampling Data

Davidson's Collision
City of Rochester, New York

Compound/Analyte	CRQL/ CRDL	SS-101D	SS-101	SS-102	SS-103	SS-104	SS-105
TCL Volatile Organic Compounds[1] (µg/kg)							
Trichloroethene	10	--	--	--	2 J	--	--
4-Methyl-2-Pentanone	10	2 J	--	--	--	--	--
Total Xylenes	10	--	--	2 J	3 J	--	--
TCL Semivolatile Organic Compounds[1] (µg/kg)							
Phenanthrene	330	1900 J	--	--	370 J	580 J	140 J
Anthracene	330	--	--	--	68 J	--	--
Fluoranthene	330	4900 J	820 J	--	900	1200 J	460 J
Pyrene	330	4400 J	870 J	--	740	970 J	380 J
Butylbenzylphthalate	330	150000 J	72000 J	110000 J	3600	8300	9400
Benzo(a)Anthracene	330	3700 J	800 J	--	470 J	590 J	300 J
Chrysene	330	4200 J	990 J	--	470 J	660 J	380 J
bis(2-Ethylhexyl)phthalate	330	--	--	--	--	--	2200
Benzo(b)Fluoranthene	330	5400 J	1700 J	--	430 J	590 J	410 J
Benzo(k)Fluoranthene	330	3400 J	1700 J	--	340 J	450 J	420 J
Benzo(a)Pyrene	330	4900 J	1500 J	--	390 J	510 J	400 J
Indeno(1,2,3-c,d)Pyrene	330	4800 J	2500 J	--	300 J	390 J	400 J
Dibenz(a,h)Anthracene	330	1700 J	--	--	100 J	140 J	110 J
Benzo(g,h,i)perylene	330	4700 J	2700 J	--	260 J	360 J	370 J
TCL Inorganic Analytes[1] (mg/kg)							
Aluminum	40	7860	7570	4030	3330	3850	5270
Arsenic	2	17.2 J	13.7 J	4.3 J	3.4 J	3.5 J	4.8 J
Barium	40	218	230	99.8	39.5	50.4	101
Beryllium	1	0.37 J	0.42 J	--	--	--	--
Cadmium	1	5.7 J	5.9 J	5.2 J	--	1.0 J	--
Calcium	1000	27000	20200	62500	63800	58000	40600
Chromium	2	41.1	28.0	34.6	6.4 J	12.9	10.3
Cobalt	10	4.7 J	4.1 J	2.3 J	--	--	2.1 J
Copper	5	41.7	42.3	19.4	12.8	18.0	27.9
Iron	20	18000	15100	9960	9170	9540	12300
Lead	0.6	829	739	385	102	116	298
Magnesium	1000	13100	9890	26400	29800	16800	8570
Manganese	3	175 J	166 J	240 J	258 J	257 J	201 J
Mercury	0.1	R	--	R	R	R	0.96 J
Nickel	8	28.1	19.5	5.1 J	4.1 J	14.0	9.1
Potassium	1000	966 J	810 J	932 J	608 J	840 J	1010 J
Selenium	1	R	34.9 J	52.9 J	--	--	0.51 J
Sodium	1000	140 J	322 J	--	86.2 J	79.8 J	107 J
Vanadium	10	23.9	21.0	12.4	9.2 J	13.5	15.6
Zinc	4	369 J	433 J	256 J	79.5 J	86.9 J	191 J
Cyanide	1	--	0.66 J	--	--	--	--

Notes:

[1] Only compounds and analytes that were detected in one or more samples are listed. Compounds non-detect in all samples are not listed.

-- = non detect
CRDL = Contract Required Detection Limit (inorganics)
CRQL = Contract Required Quantitation Limit (organics)
D = duplicate sample
J = estimated
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
R = rejected
TCL = Target Compound List

Table 4
Ranges of Background Inorganic Concentrations in Soil

Davidson's Collision Site
Rochester, New York

Analyte	New York Region[1] (mg/kg)	Easterm United States[2] (mg/kg)
Aluminum	1,000 – 25,000	7,000 – > 10,000
Arsenic	3 – 12	<0.1 – 73
Barium	15 – 600	10 – 1,500
Beryllium	0 – 1.75	<1 – 7
Cadmium	0.01 – 2	NA
Calcium	130 – 35,000	100 – 280,000
Chromium	1.5 – 40	1 – 1,000
Cobalt	2.5 – 60	<0.3 – 70
Copper	< 1 – 15	<1 – 700
Iron	17,500 – 25,000	10 – >100,000
Lead	10 – 37	<10 – 300
Magnesium	1,700 – 6,000	50 – 50,000
Manganese	50 – 5,000	<2 – 7,000
Mercury	0.042 – 0.066	0.01 – 3.4
Nickel	0.5 – 25	<5 – 700
Potassium	8,500 – 43,000	50 – 37,000
Selenium	<0.1 – 0.125	<0.1 – 3.9
Silver	NA	NA
Sodium	6,000 – 8,000	< 50 – 50,000
Vanadium	25 – 60	<7 – 300
Zinc	37 – 60	<20 – 2,900

NOTES:

[1] Concentrations obtained from "Background Concentrations of 20 Elements in Soils with Special Regard for New York State" (no date). Paper prepared by E. Carol McGovern, NYSDEC Wildlife Resouces Center.

[2] Shacklette, M.T. and J.G. Boerngen, 1984. "Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States"; USGS Professional Paper 1270.

mg/kg = milligrams per kilogram
NA = Not Available
< = less than
> = greater than

Table 5
Subsurface Soil Sampling Data

Davidson's Collision
City of Rochester, New York

Compound/Analyte	CRQL/ CRDL	BS-101 6-8 ft bgs	BS-103 10-12 ft bgs	BS-104 12-14 ft bgs	BS-105 4-6 ft bgs	BS-106 4-6 ft bgs	BS-107 2-4 ft bgs	BS-108 2-4 ft bgs	BS-108 8-10 ft bgs
/ls									
Aluminum	40	4660	3640	2600	5460	5560	5740	2300	5830
Antimony	12	--	--	--	--	13.6 J	--	--	--
Arsenic	2	2.2 J	2.0 J	1.1 J	4.1 J	5.0 J	4.6 J	4.4 J	3.1 J
Barium	40	28.3 J	24.9 J	24.1 J	99.2	108	131	45.3	26.3 J
Beryllium	1	0.25 J	--	--	0.23 J	0.44 J	--	--	--
Calcium	1000	77000	62000	36500	73900	19900	51200	76200	38800
Chromium	2	6.3 J	4.9 J	4.0 J	12.2	13.6	9.7	7.0 J	9.8
Cobalt	10	2.4 J	--	--	2.2 J	3.0 J	3.2 J	--	2.3 J
Copper	5	9.1	8.2	4.2 J	16.9	20.4	28.7	6.7	10.0
Iron	20	9620	9330	7050	15000	27400	12200	6370	13200
Lead	0.6	R	R	R	212	86.9	331	165	R
Magnesium	1000	17700	21500	11400	26800	8730	11700	69600	12700
Manganese	3	385 J	276 J	216 J	437 J	237 J	398 J	283 J	330 J
Mercury	0.1	R	R	--	R	R	R	5.1 J	R
Nickel	8	6.8 J	4.7 J	4.8 J	6.8 J	9.9	7.0 J	--	13.0
Potassium	1000	1150	996	616 J	1210	856 J	1070	630 J	1220
Selenium	1	--	--	--	--	--	0.48 J	--	--
Sodium	1000	95.3 J	102 J	51.9 J	54.2 J	78.2 J	115 J	60.0 J	58.4 J
Vanadium	10	11.2	11.1	8.6 J	11.8	47.4	15.2	8.6 J	14.1
Zinc	4	46.3 J	18.4 J	17.1 J	109 J	86.0 J	165 J	83.8 J	28.2 J

Notes:

[1] Only compounds and analytes that were detected in one or more samples are listed. Compounds non-detect in all samples are not listed.

[2] Samples from borings BS-101 and BS-108 were analyzed at medium level for volatile organic compounds.

-- = non detect
CRDL = Contract Required Detection Limit (inorganics)
CRQL = Contract Required Quantitation Limit (organics)
D = duplicate sample
J = estimated
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NA = not analyzed
R = rejected
TCL = Target Compound List

Table 5
Subsurface Soil Sampling Data

Davidson's Collision
City of Rochester, New York

Compound/Analyte	CRQL/ CRDL	BS-101 6-8 ft bgs	BS-103 10-12 ft bgs	BS-104 12-14 ft bgs	BS-105 4-6 ft bgs	BS-106 4-6 ft bgs	BS-107 2-4 ft bgs	BS-108 2-4 ft bgs	BS-108 8-10 ft bgs
TCL Volatile Organic Compounds[1] (µg/kg)									
Bromomethane	10	NA[2]	--	--	5 J	--	--	NA[2]	NA[2]
Trichloroethene	10	NA[2]	--	--	2 J	--	8 J	NA[2]	NA[2]
Tetrachloroethene	10	NA[2]	--	--	--	--	6 J	NA[2]	NA[2]
Total Xylenes	10	NA[2]	2 J	13	--	--	--	NA[2]	NA[2]
TCL Volatile Organic Compounds - Medium Level Analysis[1] (µg/kg)									
Trichloroethene	1200	1800 J						--	260 J
Toluene	1200	230000						--	15000
Ethylbenzene	1200	59000						--	2700
Total Xylenes	1200	310000						550 J	13000
TCL Semivolatile Organic Compounds[1] (µg/kg)									
Fluorene	330	790 J	--	--	--	--	--	--	--
Phenanthrene	330	1300 J	--	--	170 J	97 J	190 J	3900 J	--
Anthracene	330	--	--	--	35 J	--	47 J	--	--
Carbazole	330	--	--	--	--	--	46 J	--	--
Fluoranthene	330	--	--	--	230 J	180 J	380	--	--
Pyrene	330	--	--	--	210 J	160 J	350 J	--	--
Butylbenzylphthalate	330	36000	--	--	110 J	140 J	440	260000 J	42 J
Benzo(a)Anthracene	330	--	--	--	110 J	96 J	240 J	--	--
Chrysene	330	--	--	--	140 J	120 J	220 J	--	--
Benzo(b)Fluoranthene	330	--	--	--	120 J	120 J	230 J	--	--
Benzo(k)Fluoranthene	330	--	--	--	150 J	150 J	190 J	--	--
Benzo(a)Pyrene	330	--	--	--	130 J	100 J	200 J	--	--
Indeno(1,2,3-c,d)Pyrene	330	--	--	--	27 J	27 J	140 J	--	--
Dibenz(a,h)Anthracene	330	--	--	--	--	--	46 J	--	--
Benzo(g,h,i)perylene	330	--	--	--	45 J	35 J	120 J	--	--
2-Methylphenol	330	870 J	--	--	--	--	--	--	--
4-Methylphenol	330	930 J	--	--	--	--	--	--	--
Naphthalene	330	3400 J	--	--	--	--	--	5400 J	--
2-Methylnaphthalene	330	9300	--	--	--	--	--	--	--
Acenaphthylene	330	--	--	--	--	--	33 J	--	--

Table 6
Groundwater Sampling Data

Davidson's Collision
Rochester, New York

Compound/Analyte	CRQL/ CRDL	CLASS GA[2]	MW-101 D	MW-101	MW-103	MW-104
TCL Volatile Organic Compounds[1] (µg/L)						
2-Butanone	10	ns	3 J	--	--	--
Benzene	10	0.7	3 J	6 J	--	--
4-Methyl-2-Pentanone	10	ns	--	2 J	--	--
Toluene	10	5	410	500	--	--
Ethylbenzene	10	5	7 J	17 J	--	--
Total Xylenes	10	5	250	260	--	--
TCL Semivolatile Organic Compounds[1] (µg/L)						
2-Methylphenol	10	1[3]	22 J	2 J	--	--
2,4-Dimethylphenol	10	1[3]	7 J	3 J	--	--
Naphthalene	10	10 G	2 J	--	--	--
2-Methylnapthalene	10	ns	1 J	--	--	--
Butylbenzylphthalate	10	50 G	8 J	2 J	--	--
bis(2-Ethylhexyl)phthalate	10	50	2 J	11 J	1 J	1 J
			MW-101	MW-103	MW-104 DUP	MW-104
TCL Inorganic Analytes[1] (µg/L)						
Aluminum	200	ns	23600	22500	94000	107000
Arsenic	10	25	15.6 J	18.4 J	40.8 J	15.6 J
Barium	200	1000	378	324	1590	1700
Beryllium	5	3 G	--	--	3.0 J	3.2 J
Cadmium	5	10	--	5.6 J	--	--
Calcium	5000	ns	336000	383000	1450000	2050000
Chromium	10	50	29.4 J	27.1 J	132 J	155 J
Cobalt	50	ns	26.6 J	18.7 J	87.8	101 J
Copper	25	200	57.1	38.6	181	233
Iron	100	300[4]	44100 J	45600 J	188000 J	215000 J
Lead	3	25	48.5 J	52.4 J	629 J	864
Magnesium	5000	ns	94900 J	147000 J	465000 J	468000 J
Manganese	15	300[4]	2260	2220	8990	11400
Nickel	40	ns	45.8	39.8 J	165 J	193 J
Potassium	5000	ns	13300	18500	20500	2400
Selenium	5	10	R	R	R	R
Sodium	5000	20000	7540	73100	41200	49300
Vanadium	50	ns	44.8	48.7 J	205	228
Zinc	20	300	392	121	2790	3510

NOTES:

[1] Only compounds and analytes that were detected in one or more samples are listed. Compounds non-detect in all samples are not listed.

[2] Class GA groundwater quality standards 6 NYCRR Parts 700-705.

[3] NYS groundwater phenol standard of 1.0 µg/L is for total phenolic compounds.

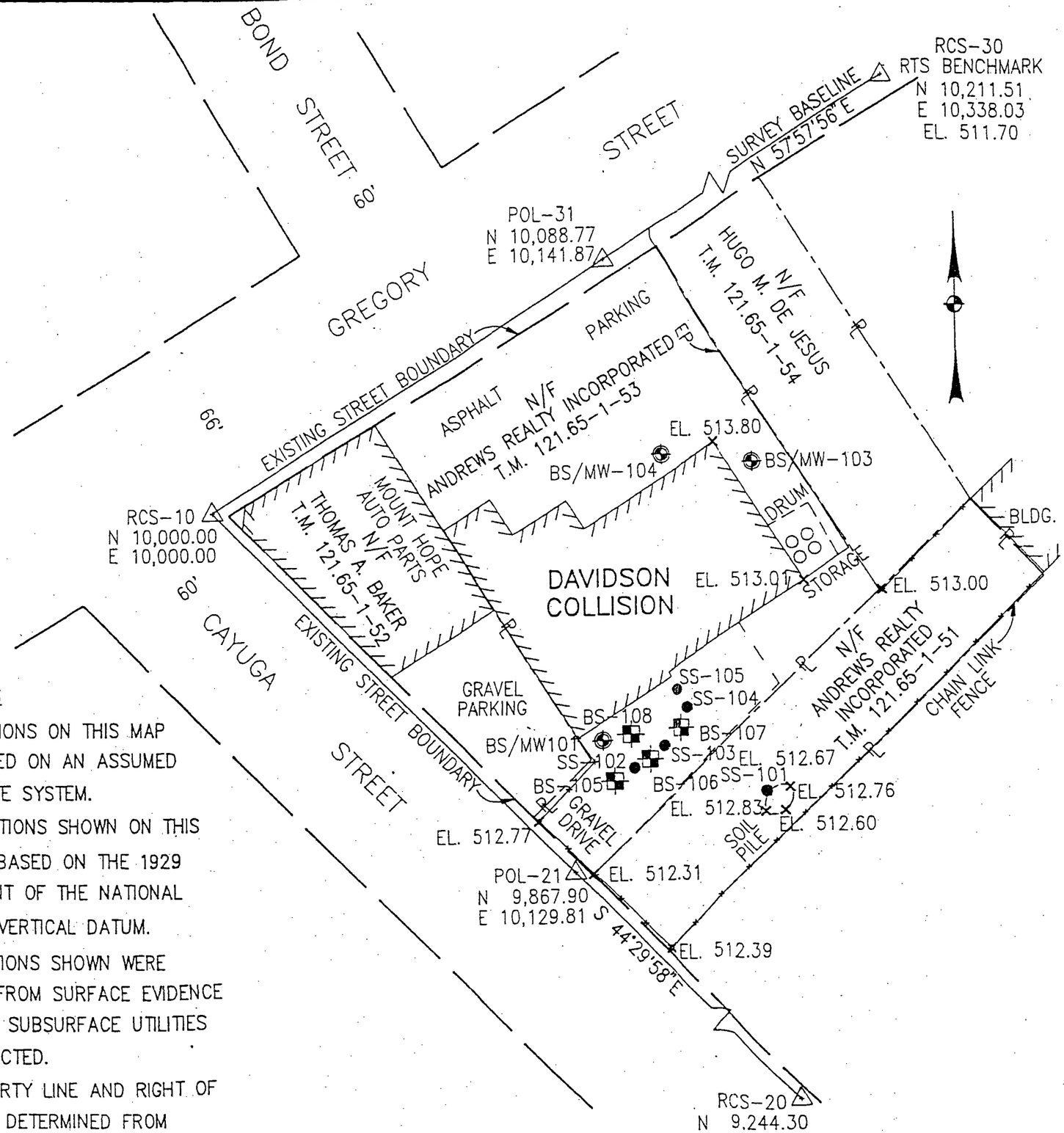
[4] When both iron and manganese are present the Class GA standard the total of both compounds is 500 µg/L.

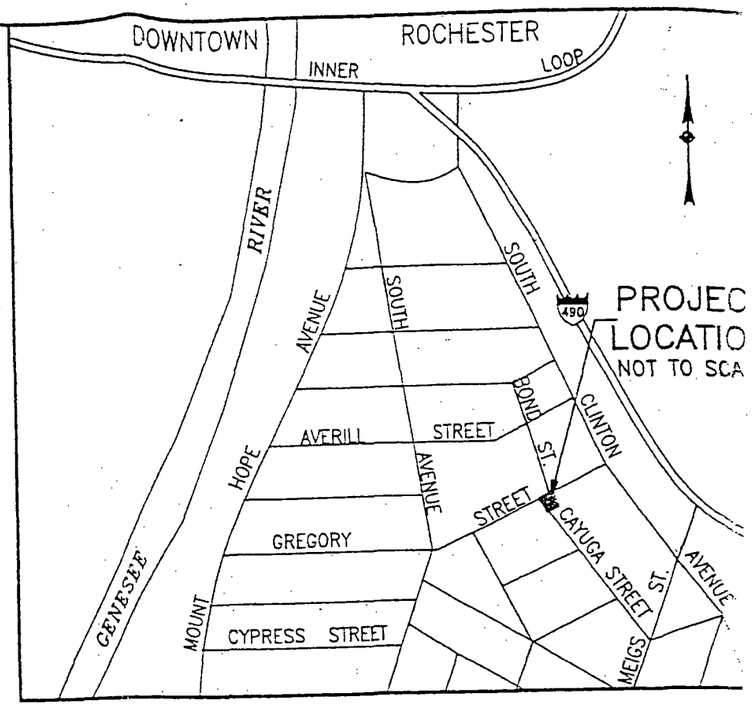
-- = not detected
CRDL = Contract Required Detection Limit (inorganics)
CRQL = Contract Required Quantitation Limit (organics)
D = duplicate sample
G = guidance value
J = estimated
ns = no standard
µg/L = micrograms per liter
R = rejected
TCL = Target Compound List

ATTACHMENT C

FIGURES

CHARGE OF R.S. BANNERMAN DRAFTED BY M.D.G. CHECKED BY M.F.I. DATE 11/22/94





SURVEY NOTES

1.) ALL LOCATIONS ON THIS MAP AREA BASED ON AN ASSUMED COORDINATE SYSTEM.

2.) ALL ELEVATIONS SHOWN ON THIS MAP ARE BASED ON THE 1929 ADJUSTMENT OF THE NATIONAL GEODETIC VERTICAL DATUM.

3.) ALL LOCATIONS SHOWN WERE INFERRED FROM SURFACE EVIDENCE ONLY. NO SUBSURFACE UTILITIES WERE DETECTED.

4.) ALL PROPERTY LINE AND RIGHT OF WAY WERE DETERMINED FROM

LEGEND

- SURVEY CONTROL POINT
- BORING SAMPLE
- MONITORING WELL
- SURFACE SOIL SAMPLE
- SPOT ELEVATION

40 0 40 80 FT

SCALE

DAVIDSON'S COLLISION

PREPARED FOR:			PREPARED BY:
ABB ENVIRONMENTAL SERVICES PORTLAND, MAINE			OM P. POPLI, P.E.,L.S.,P.C. CONSULTING ENGINEERS & SURVEYORS 44 SAGINAW DRIVE ROCHESTER, NEW YORK 14 PHONE: (716) 442-694
DATE: 11/94	SCALE: 1"=40'	SITE NO. 828091	

F

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
Facsimile (518) 251-4428

LETTER OF TRANSMITTAL

TO: Peter Smith

COMPANY: Stantec

FROM: Judy Harry

DATE: 01-17-06

ENCLOSED: DUSR report for the Gregory St. site

Qualified report forms

Associated invoice - to follow

COMMENTS:

Ship via: US Express____ UPS ____ US Priority_X___Fed Ex____Other ___

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, N. Y. 12853
Phone 518-251-4429
Facsimile 518-251-4428

January 12, 2006

Peter Smith
Stantec
2250 Brighton Henrietta Town Line Rd.
Rochester, NY 14623

RE: Data Usability Summary Report for Gregory Street site
Chemtech SDG Nos. T4080, T4091, T4138, T4255, and T5588
CAS Sub No. R2527630

Dear Mr. Smith,

Review has been completed for the data packages generated by Chemtech Laboratories and Columbia Analytical Services that pertain to samples collected 8/03/05 through 8/30/05 at the Gregory Street site. Nineteen soil samples were analyzed for TCL volatiles; seven of these were also processed for TCL semivolatiles, TCL PCBs, and TAL metals. One additional soil sample was also analyzed for PCBs. Twenty-four aqueous samples were analyzed for TCL volatiles; six of these were also processed for TCL semivolatiles, TCL PCBs, and TAL metals/CN; one of those was also processed for Petroleum Identification. Two of the aqueous samples were also analyzed for TAL metals. Four air samples were analyzed for VOA TO-15, with trichloroethene also processed by SIM. One of those samples was also processed for helium. Field duplicates, and rinse/trip blanks. The laboratory methodologies utilized are those of the NYSDEC ASP CLP.

The data packages submitted contain full deliverables for validation, but this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

* Laboratory Narrative Discussion
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration Standards
* ICP Serial Dilution
* CRI/CRA Standards
* Instrument IDLs

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review.

In summary, most of the sample analyte values/reporting limits are usable as reported, or with minor qualification as estimated ("J" qualifier) or edit to non-detection, due to typical processing or matrix effects. However, the results for thallium in five aqueous field samples and a field duplicate are not usable due to an apparent matrix effect, and most of the metals results are qualified as estimated in soil samples due to an apparent matrix effect.

Copies of the laboratory case narrative and the sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report. Included with this submission are red-ink edited results forms, reflecting final sample results with edits and qualifications recommended within this report.

All identifications below also include the "GR-" prefix.

The following text discusses quality issues of concern.

General

The "RL" column of the sample report forms should be used as reporting limits for the analytes.

Blind field duplicate correlations of TCL volatiles and semivolatiles, PCBs, and TAL metals in MW217-GW (8/05) and B214-S, and of TAL metals in MW216-GW (11/05) were acceptable.

The volatile laboratory case narrative for SDG T5588 incorrectly states that Tentatively Identified Compounds (TICs) were reported.

TCL Volatiles by ASP CLP or EPA8260B

All aqueous samples collected 11/04/05 except GR-MW217-GW were noted as being inadequately preserved (ph>2), but were not analyzed within the proper holding time for unpreserved samples. Therefore, results for aromatic compounds are qualified as estimated ("J"), with a possible low bias. This should have been noted in the laboratory case narrative.

Due to presence in the associated method and/or trip blanks, the detections of acetone and methylene chloride in the samples reported in SDG T4091, and the detections of methylene chloride in T4080 are considered external contamination and results are edited to reflect non-detection at the CRDLs.

B216-S and B203-S exhibited outlying elevated internal standard responses. Any detected results of associated compounds are already qualified as estimated due to values below CRDL. Reported results are therefore unaffected.

Matrix spikes of B202-S, MW116-GW, and MW-104-GW show all recoveries and duplicate correlations within recommended limits, or elevated values for analytes not detected in the parent sample.

Calibrations standards showed acceptable responses, with the following exceptions, results for which are qualified as estimated in the indicated associated samples:

- Carbon disulfide (27%D) in B209-S
- Carbon disulfide, dichlorodifluoromethane, and tetrachloroethene (27%D to 30%D) in nine soils reported in SDG T4080

Tentatively Identified Compounds (TICs) flagged as "B" by the laboratory are considered external contamination (indicated by presence in associated blanks), and results should be rejected as sample components. TICs identified with a CAS number should also have been flagged as "N".

Many of the TIC identifications reported are not good matches. Correct reporting of those unknown compounds would involve laboratory re-review and resubmissions.

Some samples were processed at medium level due to non-target matrix interferences.

TCL Semivolatile Analyses by ASP

Results for analytes initially reported with the "E" flag are to be derived from the dilution analyses of the samples.

The detections of bis(2-ethylhexyl)phthalate in samples reported in SDG T4138 are considered external contamination, as indicated by presence at similar levels in the associated blanks, and results are edited to nondetection.

Matrix spikes of MW104-GW and B216-S show accuracy and precision values within recommended limits, or elevated values for analytes not detected in the parent sample.

Surrogate and internal standard recoveries and the instrumental tunes were acceptable.

Calibrations standards showed acceptable responses, with the exception of hexachlorocyclopentadiene (44%RSD and 52%D) in the standard associated with all samples reported in SDG T4080. Those results are to be qualified as estimated.

Tentatively Identified Compounds (TICs) flagged as "B" by the laboratory are considered external contamination (indicated by presence in associated blanks), and results should be rejected as sample components. Those identified as aldol condensates should have been flagged by the laboratory as "A", are analysis artifacts, and are similarly rejected.

Toluene is rejected as a semivolatile TIC, as it is a volatile fraction target compound.

TCL PCB Analyses by ASP

Holding times were met and blanks showed no contamination. Calibration standard responses were acceptable, showed outlying responses on only one column, or show elevated responses for analytes not detected in the project samples.

Matrix spikes of MW104-GW show accuracy and precision values within recommended limits, or elevated values for analytes not detected in the parent sample. Those for B216-S show low recoveries for g-BHC (20% and 27%), results for which are qualified as estimated in the parent sample.

TAL Metals/CN by CLP-M

Holding times were acceptable. Blanks show no contamination above CRDL.

Thallium failed to recover in the matrix spike of MW104-GW. Results for that element in the aqueous samples collected 8/8/05 and 8/9/05 are therefore no usable ("R" qualifier).

Barium and lead produced elevated recoveries in that matrix spike of MW104-GW, and detected results for those elements in the aqueous samples collected 8/8/05 and 8/9/05 are qualified as estimated. All duplicate correlations for that sample were acceptable, although the summary Form 6 and Forms 1 mistakenly flag eight outlying values.

Matrix spike recoveries and duplicate correlations for B217-S showed consistent elevated recoveries (137% to 244%) for 13 elements, which includes all but one of the ICP elements undergoing that evaluation. The reason for these outliers is not apparent. Results for those analytes have been qualified as estimated on the enclosed report forms of all associated samples. Results for the other metals should be used with caution.

Matrix spike recoveries and duplicate correlations for MW217-GW were acceptable, with the exception of those for lead (129%) and selenium (129%). There are no detected values of those elements in the associated aqueous samples, and no qualification is indicated.

The ICP serial dilution evaluation of MW217-GW shows outlying correlations (13%D to 21%D) for calcium, manganese, and potassium. Results for those metals are qualified as estimated in the aqueous samples collected 11/4/05. They were not properly flagged as outliers by the laboratory.

The ICP serial dilution evaluation of MW104-GW shows outlying correlations (20%D and 25%D) for potassium and sodium. Results for those metals are qualified as estimated in the aqueous samples collected 8/8/05 and 8/9/05.

The ICP serial dilution evaluation of B-217-S shows acceptable correlations, with the exception of those for arsenic and potassium (19%D and 26%D). Those results in the associated samples (SDG T4080) are therefore qualified as estimated ("J").

Mercury hits in soils reported in SGD T4080 are considered additionally estimated due to elevated associated CRI standard recoveries (150% to 230%).

The mercury entries on the summary Forms 6 and the Forms 1 are incorrectly noted as being outlying for duplicate correlation. The correlation is actually acceptable.

Volatile Analyses by TO-15 and Helium by GC-ECD

Holding times and surrogate recoveries were acceptable. The method blanks show no contamination.

The laboratory duplicate of helium in GR-SG1-A shows good correlation.

Initial and continuing calibration standard responses meet laboratory and validation guidelines.

Wet Chemistry-Pet ID

Review was conducted for method compliance, transcription, calculations, standard and blank acceptability, accuracy and precision, etc., as applicable to each procedure. All were found acceptable unless noted specifically within this text.

Matrix spike recovery and duplicate correlation on batch QC was acceptable.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,

Judy Harry

VALIDATION QUALIFIER DEFINITIONS

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

U - **The analyte was analyzed for, but was not detected above the reported sample quantitation limit.**

J - **The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.**

N - **The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."**

NJ - **The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.**

UJ - **The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.**

R - **The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.**

LABORATORY SAMPLE IDs AND CASE NARRATIVES

2665 Park Center Drive, Suite D Simi Valley, California 93065 (805) 526-7161 ph (805) 526-7270 fax

Columbia Analytical Services INC.
An Employee - Owned Company

LABORATORY REPORT

Client:	STANTEC	Date of Report:	09/23/05
Address:		Date Received:	08/31/05
		CAS Project No:	P2502060
Contact:	Mr. Pete Smith	Purchase Order:	Verbal

Client Project ID: Gregory St. Project / 190500196

Four (4) Stainless Steel Summa Canisters labeled:

"GR-SG1-A" "GR-BA1-A" "GR-BA2-A" "GR-BK1-A"

The samples were received at the laboratory under chain of custody on August 31, 2005. The samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

Helium Analysis

One of the samples was analyzed for helium using a gas chromatograph equipped with a thermal conductivity detector (TCD).

Reviewed and Approved:

Wade Henton
GC-VOA Team Leader
Air Quality Laboratory

Reviewed and Approved:

Chris Parnell
GCMS-VOA Team Leader
Air Quality Laboratory

2665 Park Center Drive, Suite D Simi Valley, California 93065 (805) 526-7161 ph (805) 526-7270 fax

Columbia Analytical Services INC.
An Employee - Owned Company

CAS Project No: P2502060

Volatile Organic Compound Analysis

All of the samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for volatile organic compounds. Five of the samples were also analyzed in SIM mode for trichloroethene. The analyses were performed according to the methodology outlined in EPA Method TO-15. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of an Agilent Model 5973inert GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given in the attached data package. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for utilization of less than the complete report.

CHEMTECH

284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: Gregory St

OrderID T4080 **CustomerName:** Stantec

LAB SAMPLE NO.	CLIENT SAMPLE NO
T4080-01	GR-B204-S
T4080-02	GR-B205-S
T4080-03	GR-B203-S
T4080-04	GR-B206-S
T4080-05	GR-B207-S
T4080-06	GR-B202-S
T4080-07	GR-B202-SMS
T4080-08	GR-B202-SMSD
T4080-09	GR-B201-S
T4080-10	GR-B214-S
T4080-11	GR-XX-S-DUP
T4080-12	GR-B200-S
T4080-13	GR-B208-S
T4080-14	GR-B213-S
T4080-15	GR-B217-S
T4080-16	GR-B212-S
T4080-17	GR-B215-S
T4080-18	GR-B216-S
T4080-19	GR-B210-S

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: _____ Name: Kunpa Gursey

Date: 8/19/05 Title: QA/QC

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # 190500196
Chemtech Project # T4080

A. Number of Samples and Date of Receipt:
19 Solid samples were received on 8/5/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, PCBs, SVOC-TCL BNA, TAL ICP Metals, TAL Metals, and TCL Volatiles+10. This data package contains results for TCL Volatiles+10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA K were done using GC column DB624, which is 20 meters, 0.18 ID, 1.0 df, J&W Cat. #1211324. The Trap was supplied by OI Analytical, OI #10 Trap, OI 4560 Concentrator.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for GR-B216-S.
The Internal Standards Areas met the acceptable requirements except for GR-B203-S, GR-B203-SRE and GR-B216-SRE.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis indicated presence of Methylene Chloride due to possible lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

Additional Comment:

VK080902.D has max %D for Tetrachloroethene and VK081102.D has max %D for Vinyl Chloride out of acceptance criteria. As per method requirements two compounds can be out of acceptance limits.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 8/19/05 Title: QA/QC

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # 190500196
Chemtech Project # T4080

A. Number of Samples and Date of Receipt:
19 Solid samples were received on 8/5/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, PCBs, SVOC-TCL BNA, TAL ICP Metals, TAL Metals, and TCL Volatiles+10. This data package contains results for SVOC-TCL BNA.

C. Analytical Techniques:
The samples were analyzed on instrument BNA B using GC Column RTX-5 SILMS which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 12739-125.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except for Pentachlorophenol.
The MSD recoveries met the acceptable requirements except for Pentachlorophenol.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
BB025497 and BB025506 have max % D for Benzo(k)fluoranthene out of acceptance criteria.

As per method requirements two compounds can be out if acceptance limits.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 8/19/05 Title: QA/QC

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # 190500196
Chemtech Project # T4080

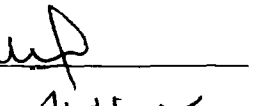
A. Number of Samples and Date of Receipt:
19 Solid samples were received on 8/5/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, PCBs, SVOC-TCL BNA, TAL ICP Metals, TAL Metals, and TCL Volatiles+10. This data package contains results for PCBs.

C. Analytical Techniques:
The analyses were performed on instrument GCECD 4. The front column is RTX-5 which is 30 meters, 0.53 mm ID, 0.5 um df, Catalog # 10240. The rear column is RTX-1701 which is 30 meters, 0.53 mm ID, 1 um df, Catalog # 12025.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for GR-B214-S, GR-XX-S-DUP and GR-B217-S.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except for gamma-BHC (Lindane) and Endrin.
The MSD recoveries met the acceptable requirements except for gamma-BHC (Lindane).
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature  Name: Krupa Dubey

Date: 8/19/05 Title: QA/QC

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # 190500196
Chemtech Project # T4080

A. Number of Samples and Date of Receipt:
19 Solid samples were received on 8/5/05.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, PCBs, SVOC-TCL BNA, TAL ICP Metals, TAL Metals, and TCL Volatiles+10. This data package contains results for Mercury and TAL ICP Metals.

C. Analytical Techniques:
The analysis of Mercury was based on method ILM05.3 and TAL ICP Metals was based on method ILM05.3

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Lab Control Sample met requirements for all samples.
The Duplicate analysis met criteria for all samples except for Calcium, Copper and Lead.
The Matrix Spike analysis met criteria for all samples except for Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Nickel, Selenium, Silver, Thallium, Vanadium and Zinc.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements except for Arsenic and Potassium.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 8/19/05 Title: QA/QC

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # N/A
Chemtech Project # T4091

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 8/6/05.
3 Water samples were received on 8/6/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: TCL Volatiles + 10, and TCL Volatiles+10. This data package contains results for TCL Volatiles+10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA F were done using GC column RTX624, which is 75 meters, 0.53 ID, 3.0 df, Restek Cat. #10974. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA K were done using GC column DB624, which is 20 meters, 0.18 ID, 1.0 df, J&W Cat. #1211324. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria except for 1,1-Dichloroethene.
The Blank Spike met requirements for all samples.
The Blank analysis indicated the presence of Methylene Chloride and Acetone due to lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
Max%D requirements did not meet criteria for Tetrachloroethene for CCC File ID

VK080902.D but this compound is not present in the sample.

Max%D requirements did not meet criteria for Vinyl Chloride for CCC File ID VK081102.D but this compound is not present in the sample.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 7/18/05 Title: QA/QC

CHEMTECH

284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: Gregory St

OrderID: T4138 **CustomerName:** Stantec

LAB SAMPLE NO.	CLIENT SAMPLE NO
T4138-01	GR-XX-GW-RB
T4138-02	GR-MW101-LNAPL
T4138-03	GR-MW101-GW
T4138-04	GR-MW105-GW
T4138-05	GR-MW110-GW
T4138-06	GR-MW216-GW
T4138-07	GR-MW217-GW
T4138-08	GR-MW106-GW
T4138-09	GR-XX-DUP
T4138-10	GR-MW114-GW
T4138-11	GR-MW208-GW
T4138-12	GR-MW209-GW
T4138-13	GR-MW210-GW
T4138-14	GR-MW113-GW
T4138-15	GR-MW211-GW
T4138-16	GR-MW104-GW
T4138-17	GR-MW104-GW-MS
T4138-18	GR-MW104-GW-MSD
T4138-19	GR-MW111-GW
T4138-20	TRIPBLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: _____ Name: _____

Date: 8/24/05 Title: _____

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # N/A
Chemtech Project # T4138

A. Number of Samples and Date of Receipt:
20 Water samples were received on 8/10/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, PCBs, SVOC-TCL BNA -20, TAL ICP Metals, TAL Metals, TCL Volatiles + 10, and TPH by Gas Chromatography. This data package contains results for TCL Volatiles + 10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA H were done using GC column RTX624, which is 75 meters, 0.53 ID, 3.0 df, Restek Cat. #10974. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements except for 1,1-Dichloroethene.
The RPD recoveries met criteria except for 1,1-Dichloroethene, Benzene, Toluene and Chlorobenzene.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature  Name: Krupa Dubey

Date: 8/24/05 Title: QA/QC

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # N/A
Chemtech Project # T4138

A. Number of Samples and Date of Receipt:
20 Water samples were received on 8/10/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, PCBs, SVOC-TCL BNA -20, TAL ICP Metals, TAL Metals, TCL Volatiles + 10, and TPH by Gas Chromatography. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument MSBNA A using GC Column RTX-5 SILMS which is 30 meters, 0.32mm ID, 0.5um df, Catalog # 12739.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis indicated presence of bis(2-Ethylhexyl)phthalate due to possible lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
Samples GR-MW216-GW, GR-MW217-GW, GR-MW106-GW and GR-XX-DU were diluted due to high concentrations.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____ Name: Krupa Dubey
Date: 8/24/05 Title: QA/QC

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # N/A
Chemtech Project # T4138

A. Number of Samples and Date of Receipt:
20 Water samples were received on 8/10/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, PCBs, SVOC-TCL BNA -20, TAL ICP Metals, TAL Metals, TCL Volatiles + 10, and TPH by Gas Chromatography. This data package contains results for TPH by Gas Chromatography.

C. Analytical Techniques:
Samples were analyzed for TPH GC according to Method DOH 310.13 on instrument NPD 1 using column HP-5 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog # 19091J-413.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 8/24/05 Title: QA/QC

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # N/A
Chemtech Project # T4138

A. Number of Samples and Date of Receipt:
20 Water samples were received on 8/10/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, PCBs, SVOC-TCL BNA -20, TAL ICP Metals, TAL Metals, TCL Volatiles + 10, and TPH by Gas Chromatography. This data package contains results for PCBs.

C. Analytical Techniques:
The analyses were performed on instrument GC ECD 4. The front column is RTX-5 which is 30 meters, 0.53 mm ID, 1.5 um df, Catalog # 12055 . The rear column is RTX-1701 which is 30 meters, 0.53 mm ID, 1 um df, Catalog # 10455.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for GR-MW104-GWMSD.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria except for gamma-BHC(Lindane) and Heptachlor.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:
Double surrogate were added for the samples, Blank,Blank/spike MS/MSD but No hit in the samples.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 8/24/05 Title: QA/QC

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # N/A
Chemtech Project # T4138

A. Number of Samples and Date of Receipt:
20 Water samples were received on 8/10/05.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, PCBs, SVOC-TCL BNA -20, TAL ICP Metals, TAL Metals, TCL Volatiles + 10, and TPH by Gas Chromatography. This data package contains results for Mercury and TAL Metals.

C. Analytical Techniques:
The analysis of Mercury was based on method ILM05.3 and TAL Metals was based on method ILM05.3.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples except for Aluminum, Calcium, Iron, Lead, Magnesium, Manganese, Sodium and Zinc.
The Matrix Spike analysis met criteria for all samples except for Barium, Lead and Thallium.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements except for Potassium.

E. Additional Comments:
Calcium was diluted for sample # 6 & 19 because of bad matrix.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 8/24/05 Title: QA/QC

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # N/A
Chemtech Project # T4255

A. Number of Samples and Date of Receipt:
1 Water sample was received on 8/17/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: PCBs. This data package contains results for PCBs.

C. Analytical Techniques:
The analyses were performed on instrument GCECD 4. The front column is RTX-5 which is 30 meters, 0.53 mm ID, 0.5 um df, Catalog # 10240 . The rear column is RTX-1701 which is 30 meters, 0.53 mm ID, 1 um df, Catalog # 12025.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 8/31/05 Title: QA/QC

CHEMTECH
284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: Gregory St

OrderID: T5588 **CustomerName:** Stantec

LAB SAMPLE NO.	CLIENT SAMPLE NO
T5588-01	GR-MW208-GW
T5588-02	GR-MW209-GW
T5588-03	GR-MW210-GW
T5588-04	GR-MW211-GW
T5588-05	GR-MW216-GW
T5588-06	GR-DUP-GW
T5588-07	GR-MW217-GW
T5588-08	GR-MW217-GWMS
T5588-09	GR-MW217-GWMSD
T5588-10	TRIPBLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: _____ Name: _____

Date: 4/28/05 Title: _____

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # N/A
Chemtech Project # T5588

A. Number of Samples and Date of Receipt:
10 Water samples were received on 11/5/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, TAL ICP Metals, TAL Metals, and TCL Volatiles + 10. This data package contains results for TCL Volatiles + 10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA G were done using GC column RTX624, which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #40924. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples except for Methyl Acetate, Dichlorodifluoromethane and Chloromethane but not present in the sample.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 11/29/05 Title: QA/QC

CHEMTECH

CASE NARRATIVE

Stantec
Project Name: Gregory St
Project # N/A
Chemtech Project # T5588

A. Number of Samples and Date of Receipt:
10 Water samples were received on 11/5/05.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, TAL ICP Metals, TAL Metals, and TCL Volatiles + 10. This data package contains results for Mercury and TAL Metals.

C. Analytical Techniques:
The analysis of Mercury was based on method ILM05.3 and TAL Metals was based on method ILM05.3.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples except for Mercury.
The Matrix Spike analysis met criteria for all samples except for Lead, Selenium.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements except for Calcium, Manganese and Potassium.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 11/23/05 Title: QA/QC

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
Facsimile (518) 251-4428

RECEIVED
FEB 0 2006
Stantec

LETTER OF TRANSMITTAL

TO: Peter Smith

COMPANY: Stantec

FROM: Judy Harry

DATE: 2-7-06

ENCLOSED: DUSR for the air samples from Gregory St.

Associated invoice

COMMENTS:

Ship via: US Express____ UPS ____ US Priority__X__Fed Ex____Other ___

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, N. Y. 12853
Phone 518-251-4429
Facsimile 518-251-4428

February 3, 2006

Peter Smith
Stantec
2250 Brighton Henrietta Town Line Rd.
Rochester, NY 14623

RE: **Data Usability Summary Report for Gregory Street site**
CAS Sub No. P2503239, R2629943

Dear Mr. Smith,

Review has been completed for the data package generated by Columbia Analytical Services that pertains to samples collected 12/20/05 at the Gregory Street site. Three summa canister air samples were analyzed for VOA by EPA method TO-15.

The data packages submitted contain full deliverables for validation, but this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

* Laboratory Narrative Discussion
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration Standards
* ICP Serial Dilution
* CRI/CRA Standards
* Instrument IDLs

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review.

In summary, all of the sample analyte values/reporting limits are usable as reported, with the exception of minor qualification as estimated of one analyte result in two samples.

A copy of the laboratory case narrative is attached to this text, and should be reviewed in conjunction with this report. Included with this submission are red-ink edited results forms, reflecting final sample results with edits and qualifications recommended within this report.

The following text discusses quality issues of concern.

Volatile Analyses by TO-15

Holding times and surrogate recoveries were acceptable. The method blanks show no contamination.

Initial and continuing calibration standard responses meet laboratory and validation guidelines. Instrumental tunes meet protocol requirements.

The results for acetone in GS-BK-1A and GS-BA-1A are to be qualified as estimated ("J"), with a possible high bias due to interferences.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,

Judy Harry

LABORATORY SAMPLE IDs AND CASE NARRATIVES

2665 Park Center Drive, Suite D Simi Valley, California 93065 (805) 526-7161 ph (805) 526-7270 fax

Columbia Analytical Services INC.
An Employee - Owned Company

LABORATORY REPORT

Client:	STANTEC	Date of Report:	01/17/06
Address:		Date Received:	12/23/05
		CAS Project No:	P2503239
Contact:	Mr. Peter Smith	Purchase Order:	Verbal
Client Project ID:	399 Gregory St. / 190500196	New York Lab ID:	11221

Four (4) Stainless Steel Summa Canisters labeled:

"GS-SG-1-A" "GS-BK-1-A" "GS-BA-1-A" "GS-BA-2-A"

The samples were received at the laboratory under chain of custody on December 23, 2005. At the client's request the sample identified as "GS-SG-1-A" was cancelled due to insufficient volume. Otherwise, the samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

Volatile Organic Compound Analysis

Three of the samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for selected volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-15. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of an Agilent Model 5973inert GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given in the attached data package. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for utilization of less than the complete report.

Reviewed and Approved:

Chris Parnell
GCMS-VOA Team Leader
Air Quality Laboratory

Reviewed and Approved:

John Yokoyama
Operations Manager
Air Quality Laboratory

QUALIFIED REPORT FORMS

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: Stantec
Client Sample ID: GS-BK-1-A
Client Project ID: 399 Gregory St./190500196

CAS Project ID: P2503239
CAS Sample ID: P2503239-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01021

Date Collected: 12/20/05
Date Received: 12/23/05
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -0.9 Pf 1 = 3.5

Can D.F. = 1.32

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	0.89	0.66	0.43	0.32	
75-01-4	Vinyl Chloride	ND	0.66	ND	0.26	
74-83-9	Bromomethane	ND	0.66	ND	0.17	
75-00-3	Chloroethane	ND	0.66	ND	0.25	
67-64-1	Acetone	14 J	6.6	5.8 J	2.8	M,J
[illegible]-69-4	Trichlorofluoromethane	1.2	0.66	0.22	0.12	
75-35-4	1,1-Dichloroethene	ND	0.66	ND	0.17	
75-09-2	Methylene chloride	ND	0.66	ND	0.19	
76-13-1	Trichlorotrifluoroethane	ND	0.66	ND	0.086	
75-15-0	Carbon Disulfide	ND	0.66	ND	0.21	
156-60-5	trans-1,2-Dichloroethene	ND	0.66	ND	0.17	
75-34-3	1,1-Dichloroethane	ND	0.66	ND	0.16	
1634-04-4	Methyl tert-Butyl Ether	ND	0.66	ND	0.18	
78-93-3	2-Butanone (MEK)	1.8	0.66	0.61	0.22	
156-59-2	cis-1,2-Dichloroethene	ND	0.66	ND	0.17	
67-66-3	Chloroform	ND	0.66	ND	0.14	
107-06-2	1,2-Dichloroethane	ND	0.66	ND	0.16	
71-55-6	1,1,1-Trichloroethane	ND	0.66	ND	0.12	
71-43-2	Benzene	0.98	0.66	0.31	0.21	
56-23-5	Carbon Tetrachloride	ND	0.66	ND	0.10	
78-87-5	1,2-Dichloropropane	ND	0.66	ND	0.14	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference; results may be biased high.

Verified By: Ru Date: 1/9/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Stantec**
Client Sample ID: **GS-BK-1-A**
Client Project ID: **399 Gregory St./190500196**

CAS Project ID: P2503239
CAS Sample ID: P2503239-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01021

Date Collected: 12/20/05
Date Received: 12/23/05
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -0.9 Pf 1 = 3.5
Can D.F. = 1.32

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	0.66	ND	0.099	
79-01-6	Trichloroethene	ND	0.66	ND	0.12	
10061-01-5	cis-1,3-Dichloropropene	ND	0.66	ND	0.15	
108-10-1	4-Methyl-2-pentanone	ND	0.66	ND	0.16	
10061-02-6	trans-1,3-Dichloropropene	ND	0.66	ND	0.15	
79-00-5	1,1,2-Trichloroethane	ND	0.66	ND	0.12	
108-88-3	Toluene	**3.5**	0.66	**0.93**	0.18	
591-78-6	2-Hexanone	ND	0.66	ND	0.16	
124-48-1	Dibromochloromethane	ND	0.66	ND	0.078	
106-93-4	1,2-Dibromoethane	ND	0.66	ND	0.086	
127-18-4	Tetrachloroethene	ND	0.66	ND	0.097	
108-90-7	Chlorobenzene	ND	0.66	ND	0.14	
100-41-4	Ethylbenzene	ND	0.66	ND	0.15	
179601-23-1	*m,p*-Xylenes	**1.5**	1.3	**0.35**	0.30	
75-25-2	Bromoform	ND	0.66	ND	0.064	
100-42-5	Styrene	ND	0.66	ND	0.16	
95-47-6	o-Xylene	ND	0.66	ND	0.15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.66	ND	0.096	
541-73-1	1,3-Dichlorobenzene	ND	0.66	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.66	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.66	ND	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 1/19/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: Stantec
Client Sample ID: GS-BA-1-A
Client Project ID: 399 Gregory St./190500196

CAS Project ID: P2503239
CAS Sample ID: P2503239-003

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01124

Date Collected: 12/20/05
Date Received: 12/23/05
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -0.7 Pf 1 = 3.5

Can D.F. = 1.30

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	0.77	0.65	0.38	0.31	
75-01-4	Vinyl Chloride	ND	0.65	ND	0.25	
74-83-9	Bromomethane	ND	0.65	ND	0.17	
75-00-3	Chloroethane	ND	0.65	ND	0.25	
67-64-1	Acetone	28 J	6.5	12 J	2.7	M J
75-69-4	Trichlorofluoromethane	1.2	0.65	0.22	0.12	
75-35-4	1,1-Dichloroethene	ND	0.65	ND	0.16	
75-09-2	Methylene chloride	ND	0.65	ND	0.19	
76-13-1	Trichlorotrifluoroethane	ND	0.65	ND	0.085	
75-15-0	Carbon Disulfide	ND	0.65	ND	0.21	
156-60-5	trans-1,2-Dichloroethene	ND	0.65	ND	0.16	
75-34-3	1,1-Dichloroethane	ND	0.65	ND	0.16	
1634-04-4	Methyl tert-Butyl Ether	ND	0.65	ND	0.18	
78-93-3	2-Butanone (MEK)	2.5	0.65	0.86	0.22	
156-59-2	cis-1,2-Dichloroethene	ND	0.65	ND	0.16	
67-66-3	Chloroform	ND	0.65	ND	0.13	
107-06-2	1,2-Dichloroethane	ND	0.65	ND	0.16	
71-55-6	1,1,1-Trichloroethane	ND	0.65	ND	0.12	
71-43-2	Benzene	0.87	0.65	0.27	0.20	
56-23-5	Carbon Tetrachloride	ND	0.65	ND	0.10	
78-87-5	1,2-Dichloropropane	ND	0.65	ND	0.14	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
M = Matrix interference; results may be biased high.

Verified By: RC Date: 1/19/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: Stantec
Client Sample ID: GS-BA-1-A
Client Project ID: 399 Gregory St./190500196

CAS Project ID: P2503239
CAS Sample ID: P2503239-003

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01124

Date Collected: 12/20/05
Date Received: 12/23/05
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -0.7 Pf 1 = 3.5

Can D.F. = 1.30

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	0.65	ND	0.097	
79-01-6	Trichloroethene	ND	0.65	ND	0.12	
10061-01-5	cis-1,3-Dichloropropene	ND	0.65	ND	0.14	
108-10-1	4-Methyl-2-pentanone	ND	0.65	ND	0.16	
10061-02-6	trans-1,3-Dichloropropene	ND	0.65	ND	0.14	
79-00-5	1,1,2-Trichloroethane	ND	0.65	ND	0.12	
108-88-3	Toluene	**2.2**	0.65	**0.58**	0.17	
591-78-6	2-Hexanone	ND	0.65	ND	0.16	
124-48-1	Dibromochloromethane	ND	0.65	ND	0.076	
106-93-4	1,2-Dibromoethane	ND	0.65	ND	0.085	
127-18-4	Tetrachloroethene	ND	0.65	ND	0.096	
108-90-7	Chlorobenzene	ND	0.65	ND	0.14	
100-41-4	Ethylbenzene	ND	0.65	ND	0.15	
179601-23-1	*m,p*-Xylenes	ND	1.3	ND	0.30	
75-25-2	Bromoform	ND	0.65	ND	0.063	
100-42-5	Styrene	ND	0.65	ND	0.15	
95-47-6	o-Xylene	ND	0.65	ND	0.15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.65	ND	0.095	
541-73-1	1,3-Dichlorobenzene	ND	0.65	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.65	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.65	ND	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 1/19/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: Stantec
Client Sample ID: GS-BA-2-A
Client Project ID: 399 Gregory St./190500196

CAS Project ID: P2503239
CAS Sample ID: P2503239-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01027

Date Collected: 12/20/05
Date Received: 12/23/05
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -2.2 Pf 1 = 3.5
Can D.F. = 1.46

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.71	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.57	
74-83-9	Bromomethane	ND	1.5	ND	0.38	
75-00-3	Chloroethane	ND	1.5	ND	0.55	
67-64-1	Acetone	**50**	15	**21**	6.1	
75-69-4	Trichlorofluoromethane	**1.5**	1.5	**0.26**	0.26	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.37	
75-09-2	Methylene chloride	ND	1.5	ND	0.42	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.19	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.47	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.37	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.36	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.41	
78-93-3	2-Butanone (MEK)	**3.2**	1.5	**1.1**	0.50	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.37	
67-66-3	Chloroform	ND	1.5	ND	0.30	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.36	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.27	
71-43-2	Benzene	ND	1.5	ND	0.46	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.23	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.32	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 1/19/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: Stantec
Client Sample ID: GS-BA-2-A
Client Project ID: 399 Gregory St./190500196

CAS Project ID: P2503239
CAS Sample ID: P2503239-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01027

Date Collected: 12/20/05
Date Received: 12/23/05
Date(s) Analyzed: 1/5/06
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -2.2 Pf 1 = 3.5
Can D.F. = 1.46

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.22	
79-01-6	Trichloroethene	ND	1.5	ND	0.27	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.32	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.36	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.32	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.27	
108-88-3	Toluene	**5.7**	1.5	**1.5**	0.39	
591-78-6	2-Hexanone	ND	1.5	ND	0.36	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.17	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.19	
127-18-4	Tetrachloroethene	ND	1.5	ND	0.22	
108-90-7	Chlorobenzene	ND	1.5	ND	0.32	
100-41-4	Ethylbenzene	ND	1.5	ND	0.34	
179601-23-1	*m,p*-Xylenes	ND	2.9	ND	0.67	
75-25-2	Bromoform	ND	1.5	ND	0.14	
100-42-5	Styrene	ND	1.5	ND	0.34	
95-47-6	o-Xylene	ND	1.5	ND	0.34	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.21	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.24	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.24	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.24	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 1/19/06