PROPOSED

REMEDIAL ACTION PLAN

FOR THE

BROAD BROOK MILL SITE

EAST WINDSOR, CONNECTICUT

PREPARED BY

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FOR

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EXECUTIVE SUMMARY

Introduction

This Remedial Action Plan (RAP) has been prepared by XDD, LLC (XDD) on behalf of Hamilton Sundstrand Corporation (HSC) to address the impacted soil and groundwater at the Broad Brook Mill Site located in the Town of East Windsor (Town), Connecticut (Site). The Site has previously been identified as the Millbrook Condominiums Site. The recommended remedial alternatives are designed to be protective of human health and the environment, improve future land re-use options, and benefit the local community.

Document Revision History

This document is an update of previous versions of the RAP (dated December 2004, May 2006, March 2009, December 2009, and April 2010), which were previously submitted to the Connecticut Department of Environmental Protection (CTDEP) and the United States Environmental Protection Agency (EPA). This current version has been revised to address CTDEP and EPA comments on the previous versions (as described below).

Based on CTDEP's review of the December 2004 RAP, it was requested that supplemental site investigation work be conducted at the Site. The findings of those investigations revealed that certain soil contaminants which were found to be widespread across the Site were most likely associated with the presence of coal ash commingled with other Site fill materials. This resulted in a change in the Site conceptual model, which now separates the more modern contaminant source areas from the general background contamination by coal ash from common coal burning activities. The results of the supplemental investigations, along with the revised Site conceptual model, were incorporated into the May 2006 RAP. In addition, the proposed remedial alternatives were updated to be consistent with this revised Site conceptual model.

CTDEP and EPA then provided comments on the May 2006 RAP, which included: a) request for additional schedule details for the proposed remedial alternatives; b) request for additional discussions of the Applicable or Relevant and Appropriate Requirements (ARARs) for the proposed remedial alternative; c) confirmation of the need for protection of any points of

historical significance (if needed), and d) additional details regarding the Broad Brook river banks and sediment remedial strategies. The above comments were addressed in the March 2009 revision of the RAP. Additional evaluation and discussion of the Broad Brook river banks/sediment remedies, and the relationship between the Mill Pond dam sluiceway and the brook, were incorporated into the December 2009 version of the RAP. The April 2010 version and current version of the RAP (May 2010) address EPA comments regarding specific ARARs and how they are applicable to the proposed river bank and sediment remedies for the Site.

Site Background

The Site includes two separate lots, identified as Block 37, Lots 8 and 8A on East Windsor's Tax Assessor Map 22. The Millbrook Condominium building (21 units), which was converted from a former mill building, two garage buildings, and the former powerhouse (boiler house), occupy Lot 8 (15.24 acres). A commercial strip mall complex and a two-story brick office building occupy Lot 8A (1.94 acres).

The Site is bounded to the north and west by a watercourse (Broad Brook), to the east by Main Street, and to the south by Mill Street. Broad Brook flows west along the northern portion of the Site and south along the western portion of the Site.

Environmental investigations began at the Site in the 1990's. The investigations indicated that the Site was impacted with volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), and several metals as a result of historical operations. These contaminants were found to be present at concentrations that exceed the applicable standards as listed in Section 122a-133k-1 through 3 of the Connecticut Remediation Standard Regulations (CT RSRs).

The two primary soil criteria used to assess these impacts are Direct Exposure Criteria (DEC) and Pollutant Mobility Criteria (PMC). DEC represent the maximum allowable concentrations of individual compounds that will not pose a significant health risk due to direct exposure to soil. PMC represent the allowable soil concentrations that will not result in an impact to groundwater (i.e., above applicable groundwater criteria) due to rainwater/infiltration and soil leaching

mechanisms. Remedial actions or other controls are required to address soil contaminants which exceed their respective DEC and PMC, as appropriate.

The groundwater underlying the Site is within a GA (groundwater class "A") designated area (a GA area is considered suitable for some drinking water uses), and is required to meet the standards for a GA area as set forth in the CT RSRs. Three types of groundwater criteria are applicable to the Site, including Groundwater Protection Criteria (GWPC), Surface Water Protection Criteria (SWPC), and Volatilization Criteria (VC). Federal Maximum Contaminant Levels (MCLs) and Maximum Contaminant Level Goals (MCLGs) are also applicable for specific contaminants.

Historical Site Use and Related Contaminant Impacts

The property has been used for various manufacturing operations for the past 150 years. Between 1835 and 1954 the property was used as large scale woolen mill and tannery by the Phelps Manufacturing Company, and later by the Broad Brook Company (both no longer in existence). These operations and their related impacts to the Site occurred prior to HSC's occupancy of the Site. Since those companies no longer exist, they are considered "orphaned" operations. Site contamination related to the orphaned operations are referred to as the "Orphan Share" of remedial activities throughout this document. While these specific impacts are not the responsibility of HSC, HSC has conducted the delineation and has designed a remedy for these areas, in cooperation with the CTDEP and EPA.

During this period, coal fired boilers were used to provide heat and steam for the various operations (refer to **Figures ES-1** through **ES-4** for general overview of Site features). A coal gas manufacturing plant was also operated at the Site from 1858 to 1902. No spilled coal tar residues, a product of coal gas manufacturing processes, have been detected at the Site (coal tar was a valuable and saleable byproduct that was typically not disposed). However, the combustion byproducts from the normal coal-burning operations (primarily coal ash, fly ash, cinders, coal/slag fragments, etc.) have been observed in distinct fill layers across the entire Site. These materials were apparently comingled with other fill material and were spread around during several known historical episodes of Site regrading/reworking activities (the comingled

fill/coal ash materials are hereafter referred to as "black fill"). There were no environmental laws during that period to prevent spreading or disposal of coal ashes on-Site or in landfills, and this was a fairly common practice throughout the region and the State.

Typical constituents of coal ash material include SVOCs (especially polycyclic aromatic hydrocarbons [PAHs]) and metals (such as arsenic, barium, cadmium, chromium, copper, mercury, nickel, lead, selenium, and zinc). Soil sampling conducted during Site investigations confirmed that these constituents were uniformly distributed across the Site. The general widespread occurrence of these particular compounds was also consistent with the presence of the black fill layers. Other historical sources of metals impacts (such as chromium or lead) may have been related to the tannery, woolen mill manufacturing processes, or lead-based paint.

The portion of Site impacts related to the historical manufacturing operations (Orphan Share) includes:

- Areas of SVOCs that exceed DEC (refer to **Figure ES-1**). These areas are primarily in the vicinity of the historical coal-burning operations and coal pile area.
- Areas of metals that exceed the DEC, including arsenic, chromium, and lead (refer to **Figure ES-2**). These areas are primarily in the vicinity of the historical coal-burning operations, coal pile area, and the former tannery.

Some areas of SVOCs and metals impacts also exceed the PMC. However, there is limited evidence that groundwater impacts are directly related to the widespread occurrence of the coal ash fill materials. Therefore, the majority of PMC exceedances related to historical operations can be exempted under the polluted fill provision (Section-2(c)(4)(C) of the CT RSRs), since it meets this and other requirements for exemption. Only the PMC exceedance areas that are not exempted under this provision are presented on **Figures ES-1** and **ES-2**.

Contemporary Site Use and Related Contaminant Impacts

In 1954, the United Aircraft Corporation (now HSC) purchased the property and owned it until 1977. HSC conducted electro-plating operations (until 1967), boron filament manufacturing

(from 1968 to 1974), and operated associated processes including a wastewater treatment plant and the former oil-burner house (built circa 1954) during their period of occupation (**Figures ES-1** through **ES-4**). Other non-HSC companies, including Composite Materials, Inc. (a subsidiary of Alcoa), continued the boron filament manufacturing operations until 1977. The property was sold to the Broad Brook Center, Inc. in 1977, and was subsequently leased to a number of small manufacturing and light industrial facilities until 1986. Several of these other corporations were named as Potentially Responsible Parties (PRP) and were responsible for portions of the Site impacts which were due to various industrial activities. Site contamination related to the modern site operations are referred to as the "PRP Share" of remedial activities throughout this document.

Industrial operations were ceased in 1986 and the property was purchased by the Connecticut Building Corporation. The majority of Site buildings were destroyed by a fire during that same year. In the late 1980's, one of the surviving mill buildings on the property was converted to an office building. In the early 1990's the mill buildings were converted to condominiums (Millbrook Condominiums) on Lot 8, and a commercial strip mall (on Lot 8A). The condominiums on Lot 8 were later purchased by HSC and vacated in 2004 to facilitate the Site investigation and remediation activities.

The portion of Site impacts suspected to be related to the contemporary manufacturing operations (PRP Share) includes:

- Two areas of SVOCs impacts in soil that exceed the DEC and PMC (**Figure ES-1**). These areas are near the former underground storage tanks (USTs) near the northwest corner of the Site, and near the former aboveground storage tank (AST) near the dam on Broad Brook to the west of the Site.
- Two areas of chromium impacts in soil that exceed the PMC (one area near the dam on Broad Brook, and one area adjacent to Lot 8A near the former storage area, see **Figure ES-2**). These areas will not be exempted under the polluted fill provision since chromium groundwater impacts exist in close proximity to these soil PMC exceedances. It is not clear how chromium impacts to groundwater occurred in these two areas, since

they are not immediately adjacent to any specific known source (such as the electroplating area). There is also no evidence to differentiate these chromium impacted soil areas from the general coal-ash contamination across the Site. However, it is reasonable to assume that these areas could be related to the electroplating operations since underlying groundwater at one of these two locations appears to be impacted with hexavalent chromium [Cr (VI)].

- Elevated mercury levels, thought to be associated with spills from thermometers and manometer instruments within the former boiler house, have already been removed during an interim remedial activity in 1998 (see **Figure ES-2**). Elevated concentrations of mercury were detected in shallow surface soils in the northwestern portion of the Site, but there is no evidence that mercury leached to deeper depths in those areas or that mercury is present in the groundwater in that location.
- VOCs and TPH soil impacts that exceed the DEC and PMC are shown in **Figures ES-3** and **ES-4**, respectively. These impacts were likely related to general use of solvents, paints, fuels, etc. during the contemporary Site operations.

In addition to the above soil impacts, there are a few limited areas of groundwater criteria exceedances for chromium. There are also several areas of groundwater that exceed applicable criteria for VOCs, TPH, and SVOCs compounds. The groundwater impacts tend to be limited in extent, and the general widespread existence of coal-ash does not appear to contribute substantially, if at all to the groundwater impacts at the Site.

Refined Site Conceptual Model

The Site impacts can be broken down into the following general areas:

- ***General Background SVOC/Metals Impacts From Historical Operations***: Coal ash from on-site coal burning is detectable across the majority of the Site. The general background SVOCs and metals impacts across the site, within the shallow backfill soils, are related to the coal ash.

- ***Specific Sources of Soil Impacts***: Defined areas of VOCs, fuel oil related SVOCs/TPH, and chromium impacts, have been identified at the Site. These impacts can generally be attributed to specific industrial activities that occurred within limited areas on the Site.
- ***Groundwater Impacts***: Groundwater impacts above applicable criteria exist within limited areas, and are likely associated with the specific sources of soil impacts discussed above. The coal ash does not appear to significantly affect groundwater at the Site.

The majority of the Site contains distinct layers of "black fill" material. The previous Site investigations, and the supplemental investigations (performed in late 2004/early 2005), indicate that the general background SVOC and metals contamination is most likely associated with the coal ash and cinders from historical coal burning activities (contained within the "black fill"), and possibly the woolen mill/tannery operations. The coal ash was generated from common coal burning activities (for heat, steam, etc.) which were conducted at the Site for over 100 years.

The SVOC and metal contaminants are generally present in the upper four feet of soils across the entire Site at detectable levels. Much of the Site, however, exhibits concentrations that are below the applicable DEC and/or PMC. Only the areas that exceed the DEC and/or PMC are considered for remedial activities (areas below the criteria do not pose health concerns). As previously discussed, these soil impacts related to the historical operations prior to HSC's occupancy are termed the "Orphan Share" of remediation.

Modern industrial operations are likely responsible for VOCs and TPH impacts in soil and groundwater. These soil and groundwater impacts are in relatively limited/focused areas. In addition, limited metals impacts to groundwater are likely related to the modern electroplating operations. Some specific areas of SVOCs and metals impacts in soil could also possibly be attributed to modern operations due to the proximity to known sources (such as fuel oil tanks, etc.). However, there is no significant difference in type or concentration of these compounds that positively differentiates these areas from the general background/Site-wide impacts (particularly in the case of the metals).

Consent Orders

On March 29, 1996, Consent Order No. SRD-069 was issued by the CTDEP mandating a detailed characterization of the nature and extent of contamination at the Site. Investigations under this consent order have continued through to the present. In addition, per Consent Order No. SRD-104 (issued September 3, 1998), the 21 condominiums in the former mill building were vacated, and on October 29, 2004, HSC purchased the former mill building and associated common property for remediation purposes.

Consent Order No. SRD-154 (dated November 19, 2003, modified on March 15, 2005) was issued by the CTDEP for the development and implementation of a RAP. This RAP addresses the impacted media at the Site, and is prepared to fulfill requirement C.1(c) of Consent Order No. SRD-154. The Consent Order requires evaluation, and upon the CTDEP's approval, implementation of remedial actions to abate the Site groundwater, soil, and sediment contamination in accordance with CT RSRs and the ARARs.

As per Consent Order No. SRD-154, the Orphan Share of remedial activities has been accepted by the CTDEP and the State of Connecticut. Due to the long history of industrial activities conducted at the Site, a significant portion of the soil impacts at the Site are attributable to historical operations of business entities that are no longer in existence. As per Section C.1(e) of the Consent Order, the CTDEP agreed to provide $3.9 million to fund the costs associated with remediation activities related to these non-HSC related soil impacts. HSC is responsible for the remaining soil and groundwater remediation costs.

As per Section C.1(d) and C.1(e) of the Consent Order, two separate work plans will be submitted for the groundwater and soil/sediment remedies, upon approval of this RAP. The Groundwater Remedy Work Plan is due 60 days after approval of the RAP. Further, as per Section C.1(e) of the Consent Order, the Soil/Sediment Remedy Work Plan is due 60 days after receipt of CTDEP funding for the portion of remediation related to the Orphan Share. (Note that a proposed schedule for the submittal of the above work plans is included at the end of this

executive summary section). A portion of the funding for the Orphan Share remediation was released by CTDEP in September, 2008.

Soil Remedial Alternatives

Remedial alternatives have been developed for the soil exceeding the CT RSRs at the Site. The alternatives involve various combinations of in-situ technologies (including soil vapor extraction [SVE], bioventing, and excavation), with and without environmental land use restrictions (ELUR), and an engineering control option (i.e., site cover to prevent contact with soils).

The proposed remedial alternative that will provide the most effective protection of health and the environment, and will promote beneficial property re-use for the community as a whole, is an engineering control/site cover option. Much of the surface soil impacts are related to common coal ash which do not appear to be contributing to underlying groundwater contamination. The combination of a site soil cover and/or other physical cap to create a physical barrier, and an ELUR to prevent disturbance of this barrier, would immediately eliminate potential risk via direct contact exposures to this media. The final design of the site cover will be such to maximize future reuse of the Site. This may involve excavation and consolidation of the contaminated soils prior to installation of the site cover.

Contamination related to VOCs and TPH is proposed to be addressed through SVE and bioventing which will be conducted in conjunction with portions of the groundwater remedy (as discussed in the next section).

The estimated cost of this alternative is approximately $2,410,000. This alternative is anticipated to have a high level of success for protection of human health and the environment. This remedial alternative will meet all federal and State ARARs that apply to the Site. The recommended alternative will take up to 12 months for design/installation (not including breaks for winter months when large scale construction activities would be temporarily suspended). The active remedy portion (i.e., SVE/bioventing) would require a timeframe of approximately three to five years to complete.

Groundwater Remedial Alternatives

Three remedial alternative approaches have been developed for the groundwater hot spots that exceed the CT RSRs. The alternatives involve 1) a combination of active in-situ treatment technologies including air sparging (AS), biosparging, and chemical reduction; 2) a combination of a passive permeable reactive barrier (PRB) with AS and biosparging, and; 3) a hydraulic containment only option.

The remedial alternative that will provide the most effective protection of health and the environment, and achieve groundwater restoration goals in the shortest time frame, is the in-situ AS/biosparging and chemical reduction option. AS and biosparging is recommended to remove the VOCs and TPH (and the limited SVOCs impacted areas) from the groundwater. Treatment of metals is recommended to be performed using a chemical reduction system, which involves injection of a calcium polysulfide (CPS) solution into the subsurface to stabilize and immobilize the metals.

The total estimated cost for the recommended groundwater remediation alternative is approximately $1,300,000. This remedial alternative is anticipated to have a high level of success for protection of human health and the environment. This remedial alternative will also meet all federal and State ARARs that apply to the Site. It is estimated that the design and implementation of this alternative would require six to eight months, with a remedy timeframe of three to five years following installation.

Broad Brook Sediment Remediation Activities

The contaminants of concern (COCs) within the sediments of the brook are SVOCs. TPH, VOCs, and metals were either not detected, or were detected at low levels which do not present a concern (e.g., metals were detected within the range of naturally occurring background concentrations on-site). In addition, the contaminant profile in the sediment samples taken from both the brook and upstream Mill Pond are characteristic of the types of contaminants found in typical urban-area runoff. These types of SVOCs are typically found in sediments in water bodies that are near roadways and urban areas.

It is suspected that the sediment impacts in the brook are related to the periodic discharge of sediments from the Mill Pond dam. There is a pond-level control gate on the face of the Mill Pond dam, and a sluiceway structure on the south end of the dam. Both of these structures are opened periodically for maintenance and/or pond-level control.

There is one portion of Broad Brook located on the western boundary of the Site, which exhibits higher sediment concentrations than the other portions of the Broad Brook. This area coincides with a concrete outfall pipe that discharges at this location. The Mill Pond sluiceway was confirmed to feed into this concrete outfall pipe. Therefore, it is proposed that remedial activities (e.g., sediment removal as required) will be conducted within this portion of the Broad Brook. These removal activities would be conducted as part of the proposed soil remediation alternative.

Schedule

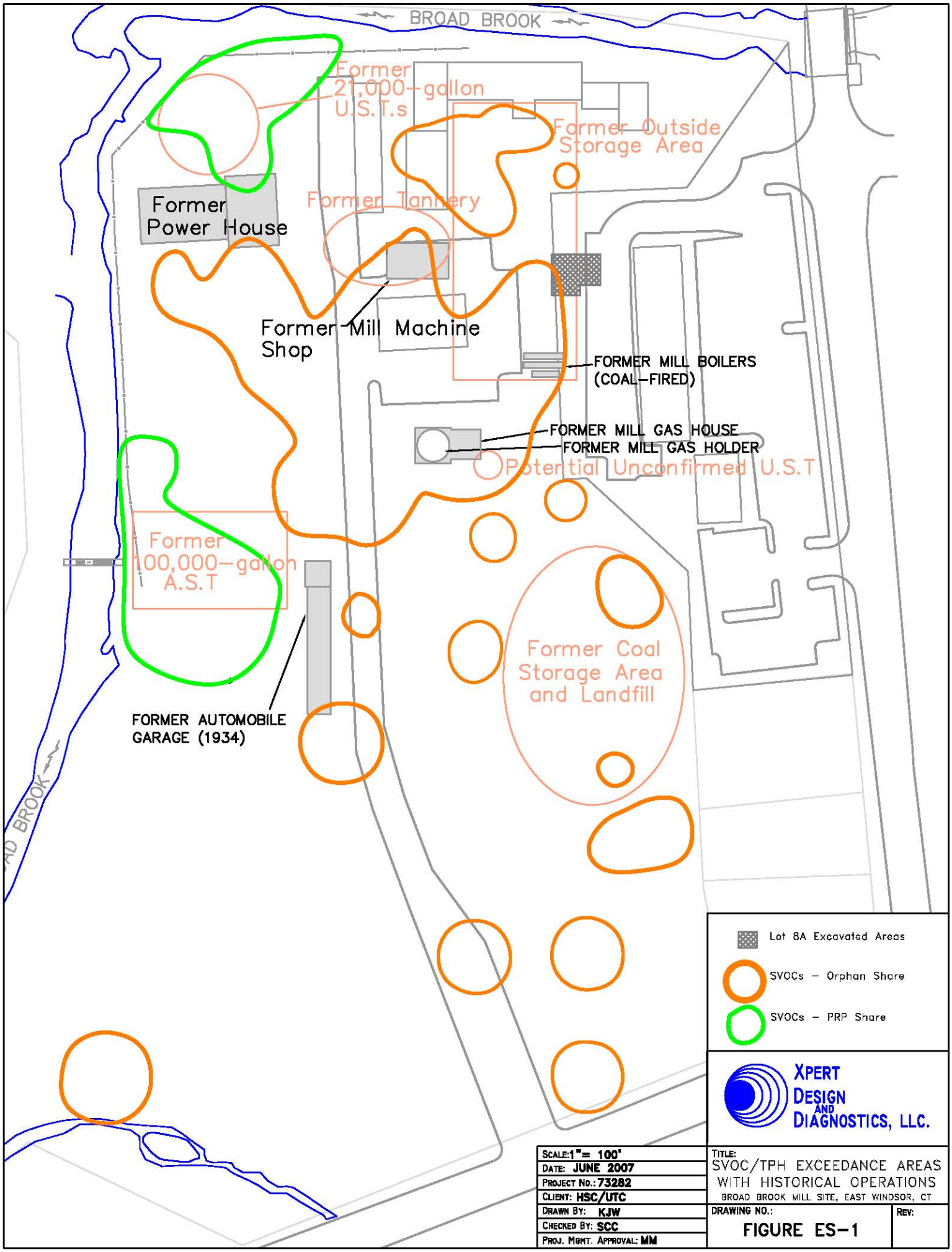
The Site remedial activities are proposed to be initiated in 2010, pending approval of this RAP, and the subsequent submittal and approval of the Soil/Sediment Remedy and Groundwater Remedy Work Plans.

Based on Consent Order SRD-154, the Groundwater Remedy Work Plan is due 60 days after approval of the RAP. In addition, the Soil/Sediment Work Plan (which will include Broad Brook river bank and sediment remedy details) would have been due 60 days after receipt of the CTDEP funding for the Orphan Share portion of the remediation (initial funding was received in mid-2008). However, the following schedule modification is requested and made part of this RAP for CTDEP and EPA approval:

- It is proposed that the Soil Remedy Work Plan be submitted within 60 days after the approval of this RAP. This is requested because a detailed soil/sediment remedy work plan is contingent upon the approval of the soil remedy in this RAP.
- It is proposed that the Groundwater Work Plan be submitted within 60 days after the approval of this RAP. This will allow the completion of additional groundwater pilot testing activities (specifically CPS treatment for metals) to be incorporated into the

Groundwater Work Plan. This testing is proposed to be initiated in the Spring/Summer of 2010. The pilot test results are needed to complete the detailed groundwater remedy design. A groundwater AS and SVE pilot test has already been completed in November of 2008.

After approvals of the Soil/Sediment Remedy and Groundwater Remedy Work Plans, it is anticipated that full-scale implementation would begin in the Fall of 2010. A more detailed schedule as proposed is included in this RAP.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Former 21,000-gallon U.S.T.s
Former Outside Storage Area
Former Power House
Former Tannery
Former Mill Machine Shop
FORMER MILL BOILERS (COAL-FIRED)
FORMER MILL GAS HOUSE
FORMER MILL GAS HOLDER
Potential Unconfirmed U.S.T
Former 100,000-gallon A.S.T
Former Coal Storage Area and Landfill
FORMER AUTOMOBILE GARAGE (1934)
Lot 8A Excavated Areas
SVOCs - Orphan Share
SVOCs - PRP Share
XPERT DESIGN AND DIAGNOSTICS, LLC.
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DATE: JUNE 2007
PROJECT No.: 73282
CLIENT: HSC/UTC
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CHECKED BY: SCC
PROJ. MGMT. APPROVAL: MM
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BROAD BROOK MILL SITE, EAST WINDSOR, CT
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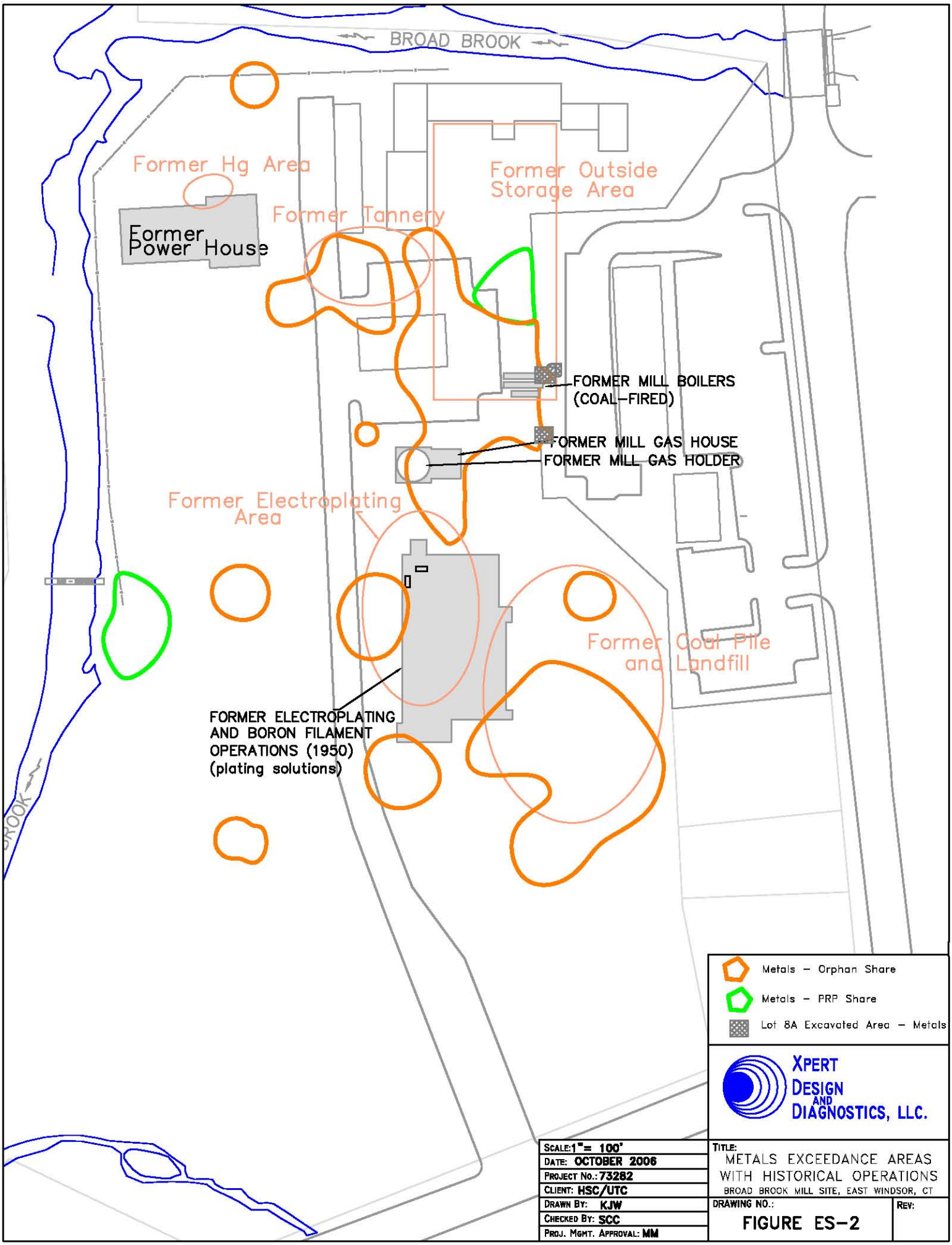
BROAD BROOK
Former Hg Area
Former Outside Storage Area
Former Tannery
Former Power House
FORMER MILL BOILERS (COAL-FIRED)
FORMER MILL GAS HOUSE
FORMER MILL GAS HOLDER
Former Electroplating Area
Former Coal Pile and Landfill
FORMER ELECTROPLATING AND BORON FILAMENT OPERATIONS (1950) (plating solutions)
Metals – Orphan Share
Metals – PRP Share
Lot 8A Excavated Area – Metals
XPERT DESIGN AND DIAGNOSTICS, LLC.
SCALE: 1" = 100'
DATE: OCTOBER 2006
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: KJW
CHECKED BY: SCC
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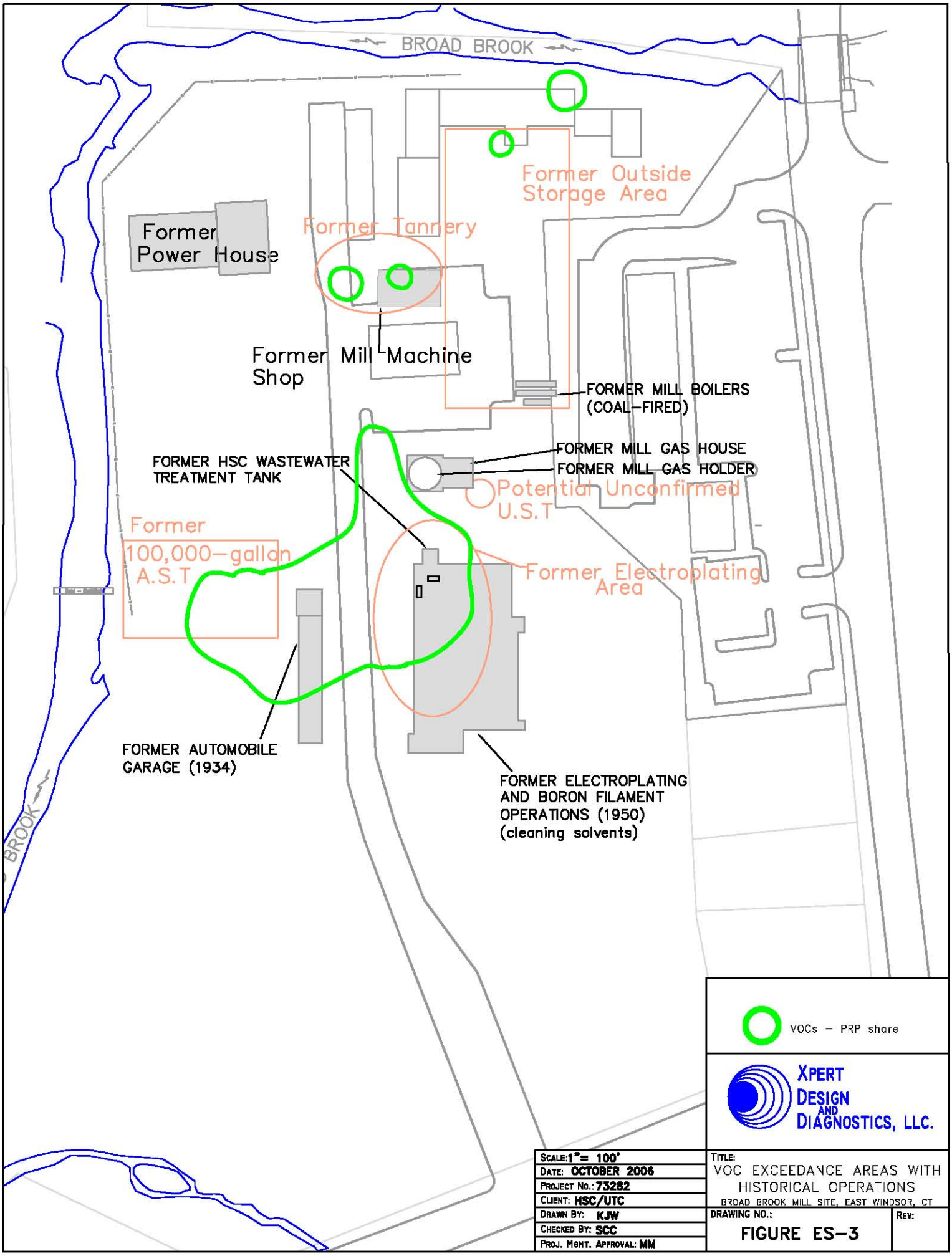
BROAD BROOK
Former Outside Storage Area
Former Tannery
Former Power House
Former Mill Machine Shop
FORMER MILL BOILERS (COAL-FIRED)
FORMER MILL GAS HOUSE
FORMER MILL GAS HOLDER
FORMER HSC WASTEWATER TREATMENT TANK
Potential Unconfirmed U.S.T
Former 100,000-gallon A.S.T
Former Electroplating Area
FORMER AUTOMOBILE GARAGE (1934)
FORMER ELECTROPLATING AND BORON FILAMENT OPERATIONS (1950) (cleaning solvents)
BROOK
VOCs – PRP share
XPERT DESIGN AND DIAGNOSTICS, LLC.
SCALE: 1" = 100'
DATE: OCTOBER 2006
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: KJW
CHECKED BY: SCC
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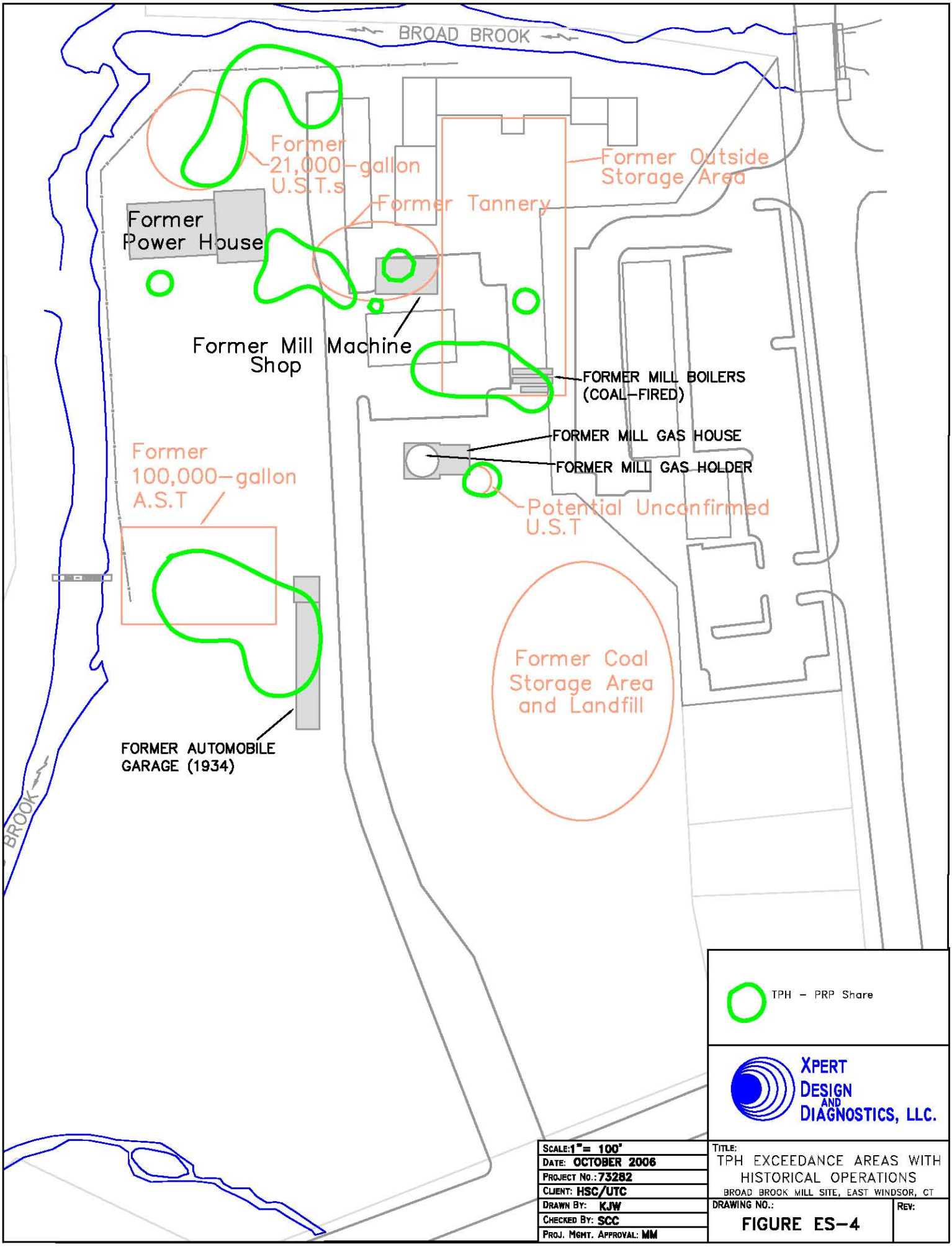
BROAD BROOK
Former 21,000-gallon U.S.T.s
Former Outside Storage Area
Former Tannery
Former Power House
Former Mill Machine Shop
FORMER MILL BOILERS (COAL-FIRED)
FORMER MILL GAS HOUSE
FORMER MILL GAS HOLDER
Former 100,000-gallon A.S.T
Potential Unconfirmed U.S.T
Former Coal Storage Area and Landfill
FORMER AUTOMOBILE GARAGE (1934)
BROOK
TPH - PRP Share
XPERT DESIGN AND DIAGNOSTICS, LLC.
SCALE: 1" = 100'
DATE: OCTOBER 2006
PROJECT NO.: 73282
CLIENT: HSC/UTC
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CHECKED BY: SCC
PROJ. MGMT. APPROVAL: MM
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REV:

TABLE OF CONTENTS

EXECUTIVE SUMMARY i

TABLE OF CONTENTS xiii
LIST OF TABLES xix
LIST OF FIGURES xxi
LIST OF APPENDICES xxiii
LIST OF ACRONYMS/ABBREVIATIONS xxiv

1.0 INTRODUCTION 1

2.0 SITE BACKGROUND 2

2.1 Site Location and History 2

2.1.1 Site and Area Description 2

2.1.2 Site History 3

2.2 Summary of Environmental-Related Activities 6

2.2.1 Investigation Events 6

2.2.1.1 Investigation by Heynen Teale Engineers (HTE) – 1993 6
2.2.1.2 Surface Soil Sampling by CTDEP – 1994 7
2.2.1.3 Sampling by EMG – 1995 7
2.2.1.4 Site Investigation by LEA – October-1996 to January-1997 7
2.2.1.5 Supplemental Site Investigation by LEA – October-1997 to March-1998 9
2.2.1.6 Preliminary Assessment/Site Investigation (PA/SI) by EPA – 1999 to 2000 .. 10
2.2.1.7 Sediment Sampling by LEA – July-2002 11
2.2.1.8 Domestic Well Sampling by DEP and DEP/HSC – 1996, 1999, and 2005 through 2008 11
2.2.1.9 Groundwater Monitoring by XDD – 2003 to Present 12
2.2.1.10 Strip Mall Delineation Sampling by XDD – 2004 to 2005 13
2.2.1.11 Additional Soil Investigations by XDD – 2005 14
2.2.1.12 Strip Mall Excavation Confirmation Sampling by XDD – 2006 17

2.2.2 Regulatory Activity 17

2.2.2.1 Initial Involvement 17
2.2.2.2 Proposed National Priorities List Listing 18
2.2.2.3 Deferral to State-Led Cleanup 19
2.2.2.4 Consent Orders 19
2.2.2.5 RAP Revision History 20
2.2.2.6 Status Reporting 22

3.0 SUMMARY OF SITE INVESTIGATION ACTIVITIES 23

3.1 Potential Contaminant Source Areas 23

3.1.1 PCSA-1: Former 20,000-gallon UST Area 23

3.1.2 PCSA-2: Former Outside Storage Area 24

3.1.3 PCSA-3: Cleared Area West of Broad Brook ... 24
3.1.4 PCSA-4: Former 100,000-gallon AST Area ... 24
3.1.5 PCSA-5: Former Machine Shop/Tannery ... 25
3.1.6 PCSA-6: Former Coal/Oil Gas Plant ... 25
3.1.7 PCSA-7: Potential Gasoline UST Area ... 26
3.1.8 PCSA-8: Former Electroplating Area ... 26
3.1.9 PCSA-9: Former Coal Storage Area/Mill Landfill ... 27
3.1.10 PCSA-10: Former Outside Storage Area ... 28
3.1.11 Other Areas of Focused Investigation ... 28
3.1.11.1 Former Stream Channel ... 28
3.1.11.2 Magnetic Anomalies ... 29
3.1.11.3 Debris Pile ... 29
3.1.11.4 Surface Soil Sampling ... 30
3.2 Contaminants of Concern ... 30
3.3 Extent of Contamination ... 32
3.3.1 Soils Evaluation Summary ... 32
3.3.1.1 VOCs ... 32
3.3.1.2 SVOCs ... 33
3.3.1.3 TPH ... 35
3.3.1.4 Metals ... 35
3.3.1.5 Summary of Soil Evaluation ... 36
3.3.2 Groundwater Evaluation Summary ... 37
3.3.2.1 Monitoring Locations ... 38
3.3.2.2 Groundwater Monitoring Results ... 39
3.3.2.3 Summary of Groundwater Evaluation ... 43
3.3.3 Dense Non-Aqueous Phase Liquid Evaluation Summary ... 45
3.3.4 Soil Gas Evaluation Summary ... 45
3.3.4.1 LEA Soil Gas Sampling ... 46
3.3.4.2 EPA Soil Gas Sampling ... 47
3.3.5 Sediment Evaluation Summary ... 48
3.3.6 Surface Water Evaluation Summary ... 51
3.4 Summary of Hydrogeological Assessment ... 51
3.4.1 Site Setting ... 52
3.4.2 Regional Geological Information ... 52
3.4.2.1 Surficial Geology ... 52
3.4.2.2 Bedrock Geology ... 54
3.4.2.3 Regional Groundwater Flow ... 55
3.4.3 Site Geology ... 55
3.4.4 Site Hydrogeology ... 56
3.4.4.1 Hydraulic Gradients ... 57

3.4.4.2 Hydraulic Conductivity 58
3.4.5 Surface Water Bodies 59
3.4.6 Groundwater – Surface Water Interaction Evaluation 60
3.5 Interim Remedial Activities 62
3.5.1 Mercury Remediation Activity 63
3.5.2 Voluntary Removal Action 63
3.5.3 Strip Mall Excavation 64
4.0 SITE CONCEPTUAL MODEL 65
4.1 OVERVIEW of Site Conceptual Model 65
4.2 Potential Contaminant Sources 66
4.2.1 Potential Contaminant Source Areas 66
4.2.2 Coal Ash Contamination 66
4.2.2.1 Coal Usage History 67
4.2.2.2 Black Fill Material 67
4.3 Contaminant Release Mechanism 69
4.4 Contaminant Migration 69
4.5 Contaminant Distribution 71
4.5.1 VOCs 71
4.5.2 SVOCs 72
4.5.3 TPH 73
4.5.4 Metals 73
4.5.5 Broad Brook River Banks 74
4.5.6 Relationship Between Mill Pond and Broad Brook Sediment Impacts 76
5.0 REMEDIAL OBJECTIVES 79
5.1 Objectives of Remedial Action 79
5.2 Applicable or Relevant and Appropriate Requirements (ARARs) 80
5.2.1 Definition of ARARs 80
5.2.2 Classifications of ARARs 81
5.2.3 Potential Action-Specific ARARs and TBCs 82
5.2.4 Potential Chemical-Specific ARARs and TBCs 84
5.2.5 Potential Location-Specific ARARs and TBCs 86
5.3 Soil Remediation 87
5.3.1 Cleanup Criteria 87
5.3.1.1 Direct Exposure Criteria 87
5.3.1.2 Pollutant Mobility Criteria (PMC) 88

5.3.1.3 Polluted Fill Exemption 89
5.3.2 Areas Exceeding Cleanup Criteria 91
5.3.2.1 VOCs 91
5.3.2.2 SVOCs 92
5.3.2.3 TPH 93
5.3.2.4 Metals 93
5.3.3 Strip Mall Delineation 94
5.3.3.1 VOC Exceedances 94
5.3.3.2 SVOC Exceedances (Lot 8 and Lot 8A) 95
5.3.3.3 TPH Exceedances 95
5.3.3.4 Metals DEC Exceedances 96
5.3.3.5 Extractable Metals Concentrations 96
5.4 Groundwater Remediation 97
5.4.1 Cleanup Criteria 97
5.4.2 Areas Exceeding Cleanup Criteria 98
5.4.2.1 Groundwater Protection Criteria Exceedances 98
5.4.2.2 Surface Water Protection Criteria Exceedances 101
5.4.2.3 Volatilization Criteria Exceedances 102
5.4.3 Groundwater Exceedance Summary 103
5.4.4 Strip Mall (Lot 8A) Groundwater 103
5.5 Broad Brook Bank Stabilization 105
5.6 Sediment Impacts 107
6.0 SOIL REMEDIATION PLAN 109
6.1 Evaluation of Remedial Technologies 111
6.1.1 Site Soil Cover/Engineered Control and Institutional Controls 111
6.1.2 Biological Treatment 112
6.1.3 Physical / Chemical Treatment 113
6.1.4 Excavation 115
6.2 Evaluation of Remedial Alternatives 115
6.2.1 Lot 8A Strip Mall Property – Excavation 116
6.2.2 Outfall Pipe Behind Former Condominium Building 116
6.2.3 Brook Bank Remediation and Stabilization 116
6.2.3.1 Permit Requirement 118
6.2.3.2 ARARs 118
6.2.4 Alternative 1: SVE, Bioventing, and Excavation With ELUR 120
6.2.4.1 Approach description 120
6.2.4.2 Permit Requirement 121
6.2.4.3 ARARs 122
6.2.4.4 Schedule 122

6.2.5 .Alternative 2: SVE, Bioventing, and Excavation Without ELUR 122
6.2.5.1 Approach Description 122
6.2.5.2 Permit Requirement 124
6.2.5.3 ARARs 124
6.2.5.4 Schedule 125
6.2.6 Alternative 3: Soil Cover/Engineering Control 125
6.2.6.1 Approach Description 125
6.2.6.2 Permit Requirement 126
6.2.6.3 ARARs 126
6.2.6.4 Schedule 127
6.2.7 ARARs/TBCs Pertinent To All Soil Alternatives 127
6.2.7.1 Federal ARARs/TBCs 127
6.2.7.2 State of Connecticut ARARs/TBCs 129
6.3 Proposed Soil Remedial Alternative 131
6.3.1 Rationale 131
6.3.2 Implementation of Alternative 3: Soil Cover/Engineering Control 132
6.3.3 Schedule 133
7.0 GROUNDWATER REMEDIATION PLAN 134
7.1 Evaluation of Remedial Technologies 134
7.1.1 Biosparging 135
7.1.2 AS with SVE 135
7.1.3 Hydraulic Containment 136
7.1.4 Permeable Reactive Barrier (PRB) 136
7.1.5 Electro-kinetics 137
7.1.6 Chemical Injection 137
7.2 Evaluation of Remedial Alternatives 138
7.2.1 Alternative 1: AS with SVE, Biosparging, and CPS injection 139
7.2.1.1 Approach Description 139
7.2.1.2 Permit Requirement 140
7.2.1.3 ARARs 140
7.2.1.4 Schedule 141
7.2.2 Alternative 2: Permeable Reactive Barrier, AS with SVE, and Biosparging 141
7.2.2.1 Approach Description 141
7.2.2.2 Permit Requirement 143
7.2.2.3 ARARs 143
7.2.2.4 Schedule 143
7.2.3 Alternative 3: Hydraulic Containment 143
7.2.3.1 Approach Description 144
7.2.3.2 Permit Requirement 145

7.2.3.3 ARARs 145
7.2.3.4 Schedule 146
7.2.4 ARARs/TBCs Pertinent to All Groundwater Alternatives 146
7.2.4.1 Federal ARARs/TBCs 146
7.2.4.2 State of Connecticut ARARs/TBCs 148
7.3 Proposed Groundwater Remedial Alternative 150
7.3.1 Rationale 150
7.3.2 Implementation of Alternative 1: AS with SVE, Biosparging, and CPS Injection 150
7.3.3 Schedule 152
8.0 SEDIMENT REMEDIATION PLAN 153
8.1 Remedial Approach 153
8.2 Permit Requirements 154
8.3 ARARs/TBCs 154
8.4 Schedule 156
9.0 PROJECT SCHEDULE 157

LIST OF TABLES

Table 1A	VOCs Results for Vadose Zone Soils
Table 1B	VOCs Results for Vadose Zone Soils (Mobile Lab Data)
Table 2A	VOCs Results for Saturated Zone Soils
Table 2B	VOCs Results for Saturated Zone Soils (Mobile Lab Data)
Table 3	SVOCs Results for Vadose Zone Soils
Table 4	SVOCs Results for Saturated Zone Soils
Table 5	TPH Results for Vadose Zone Soils
Table 6	TPH Results for Saturated Zone Soils
Table 7	Metals Results for Vadose Zone Soils
Table 8	Metals Results for Saturated Zone Soils
Table 9	Metals SPLP TCLP Results for Vadose Zone Soils
Table 10	Monitoring Well Locations and Construction Details
Table 11	Groundwater Sampling Plan from November 2003 to Date
Table 12	Groundwater Sampling Parameters
Table 13	Groundwater Field Parameter Data
Table 14	VOCs Results for Groundwater
Table 15	1,4-Dioxane Results for Groundwater
Table 16	SVOCs Results for Groundwater
Table 17	TPH Results for Groundwater
Table 18	Metals Results for Groundwater
Table 19	1996-1997 Soil Gas Survey Results
Table 20	2000 Soil Gas Survey Results
Table 21	VOCs Results for Sediments
Table 22	SVOCs Results for Sediments
Table 23	TPH Results for Sediments
Table 24	Metals Results for Sediments
Table 25	VOCs Results for Surface Water
Table 26	SVOCs Results for Surface Water
Table 27	TPH Results for Surface Water

Table 28 Metals Results for Surface Water
Table 29 Groundwater Elevation Gauging Data
Table 30 Stream Gauge Details
Table 31 Surface Water Elevation Gauging Data
Table 32 Surface Water – Groundwater Interaction Data
Table 33 Action-Specific Potential ARARs
Table 34 Chemical-Specific Potential ARARs
Table 35 Location-Specific Potential ARARs
Table 36 Soil Cleanup Criteria
Table 37 Groundwater Cleanup Criteria
Table 38A SWPC Compliance Evaluation for Arsenic
Table 38B SWPC Compliance Evaluation for Copper
Table 38C SWPC Compliance Evaluation for Zinc
Table 39 Contaminants of Concern that Exceed Criteria in Soil
Table 40 Cost Summary for Soil Remedial Alternatives
Table 41 Contaminants of Concern that Exceed Criteria in Groundwater
Table 42 Cost Summary for Groundwater Remedial Alternatives
Table 43 Estimated Project Schedule

LIST OF FIGURES

Figure 1	Site Location Map
Figure 2	Site Aerial Photograph (Tax Assessors Map)
Figure 3	Site Map
Figure 4	Composite Soil Sampling Location Map
Figure 5	Composite Groundwater Sampling Location Map
Figure 6	Composite Soil Gas Sampling Location Map
Figure 7	Composite Sediment and Surface Water Sampling Location Map
Figure 8	Approximate Former Stream Channel
Figure 9A	VOCs in Soil – Northern Area
Figure 9B	VOCs in Soil – Southern Area
Figure 10	SVOCs in Soil
Figure 11	TPH in Soil
Figure 12A	Total and Extractable Metals in Soils – Northern Area
Figure 12B	Total and Extractable Metals in Soils – Southern Area
Figure 13	VOCs in Groundwater
Figure 14	SVOCs in Groundwater
Figure 15	TPH in Groundwater
Figure 16	Metals in Groundwater
Figure 17	Generalized Geologic Cross-Sections
Figure 18	Groundwater Elevation Contours: November 2003
Figure 19	Groundwater Elevation Contours: February 2004
Figure 20	Groundwater Elevation Contours: May 2004
Figure 21	Groundwater Elevation Contours: August 2004
Figure 22	Temporal and Geographic Differences Between Surface Water and Groundwater Elevation
Figure 23	Historical Coal Use Areas
Figure 24	Black Fill Material in Soil
Figure 25	Approximate Extent of Metals Detections in Polluted Fill
Figure 26	Approximate Extent of SVOCs Detections in Polluted Fill

Figure 27 Areas of VOC DEC Exceedances in Soil
Figure 28 Areas of VOC PMC Exceedances in Soil
Figure 29 Areas of SVOC DEC Exceedances in Soil
Figure 30 Areas of SVOC PMC Exceedances in Soil Related to Historical Operations
Figure 31 Areas of TPH DEC Exceedances in Soil
Figure 32 Areas of TPH PMC Exceedances in Soil
Figure 33 Areas of Metals DEC Exceedances in Soil
Figure 34 Soil Chromium PMC Exceedances with Potential Impact on Groundwater
Figure 35 Lot 8A: SVOCs Delineation at SB10-6
Figure 36 Lot 8A: TPH Delineation at SB-12
Figure 37 Lot 8A: Arsenic Delineation at SB-18
Figure 38 Lot 8A: Arsenic Delineation at SB-23
Figure 39 Monitoring Wells Used for Average Arsenic Concentration
Figure 40 Groundwater Exceeding Cleanup Criteria
Figure 41 Brook Bank Stabilization Map
Figure 42A SVOC Exceedance Areas with Historical Operations
Figure 42B Metal Exceedance Areas with Historical Operations
Figure 42C VOC Exceedance Areas with Historical Operations
Figure 42D TPH Exceedance Areas with Historical Operations
Figure 43A Soil Alternative 1: Combination Technologies with ELUR – Excavation
Figure 43B Soil Alternative 1: Combination Technologies with ELUR – Bioventing
Figure 43C Soil Alternative 1: Combination Technologies with ELUR – SVE
Figure 44A Soil Alternative 2: Combination Technologies without ELUR – Excavation
Figure 44B Soil Alternative 2: Combination Technologies without ELUR – Bioventing
Figure 44C Soil Alternative 2: Combination Technologies without ELUR – SVE
Figure 45 Soil Alternative 3: Engineering Control
Figure 46A Groundwater Alternative 1: CPS
Figure 46B Groundwater Alternative 1: AS/Biosparging
Figure 47 Groundwater Alternative 2: PRB/AS/Biosparging
Figure 48 Groundwater Alternative 3: Pump and Treat

LIST OF APPENDICES

Appendix A Analytical Reports

Appendix B Monitoring Well Boring Logs

Appendix C XDD Soil Boring Logs

Appendix D Connecticut Water Customers in Broad Brook

Appendix E Indicator Kriging

Appendix F Lot 8A Remediation Action

Appendix G Soil Remedial Alternative Details

Appendix H Remedial Alternative Costing Details

LIST OF ACRONYMS/ABBREVIATIONS

1,1,1-TCA	1,1,1-trichloroethane
1,1-DCA	1,1-dichloroethane
1,1-DCE	1,1-dichloroethylene
ACB	Articulated Concrete Block
AR	Applicable requirements
ARARs	Applicable or relevant and appropriate requirements
AS	Air sparging
AST	Aboveground Storage Tank
AWQC	Ambient Water Quality Criteria
BBCI	Broad Brook Center, Inc.
CAA	Clean Air Act
CBC	Connecticut Building Corporation
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CFS	cubic feet per second
CGS	Connecticut General Statutes
CIP	Community Involvement Plan
cis-DCE	cis-1,2-dichloroethylene
cm/sec	centimeters per second
CMI	Composite Materials, Inc.
COCs	Contaminants of Concern
CPS	Calcium Polysulfide
CTDEP	Connecticut Department of Environmental Protection
CT RSRs	Connecticut State Agencies Remediation Standard Regulations
CWA	Clean Water Act
DAP	Discovery and Assessment Program
DEC	Direct Exposure Criteria
DNAPL	Dense Non-Aqueous Phase Liquid
DO	Dissolved Oxygen
DOT	Department of Transportation
DPH	Connecticut Department of Public Health
ELUR	Environmental Land Use Restriction
EPA	United States Environmental Protection Agency
ER-Ls	Effects Range Low
ft BGS	feet Below Ground Surface
ft msl	feet above mean sea level
GFAA	Graphite Furnace, Atomic Adsorption
GIS	Geographical Information Systems
GMS	Groundwater Modeling System
GPR	Ground Penetrating Radar
GWPC	Groundwater Protection Criteria
HSC	Hamilton Sundstrand Corporation
HTE	Heynen Teale Engineers
inch BGS	Inches Below Ground Surface

LEA	Loureiro Engineering Associates, P.C.
MCLs	maximum contaminant levels
MCLGs	maximum contaminant level goals
MEK	Methyl Ethyl Ketone
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MRC	Metals Reducing Compound
MTBE	Methyl tertiary-butyl ether
mV	millivolts
NAAQS	National Ambient Air Quality Standards
NCP	National Contingency Plan
NESHAPs	National Emission Standards for Hazardous Air Pollutants
NHPA	National Historic Preservation Act
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
NRTs	Natural Resource Trustees
OEME	Office of Environmental Measurement and Evaluation
ORP	Oxidation-Reduction Potential
OSHA	Occupational Safety and Health Administration
PAH	Polycyclic Aromatic Hydrocarbons
PA/SI	Preliminary Assessment/Site Investigation
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethylene
PCSA	Potential Contaminant Source Area
PID	Photo-Ionization Detector
PMC	Pollutant Mobility Criteria
POTW	Publicly Owned Treatment Works
ppbv	parts per billion by volume
PQL	Practical Quantification Limit
PRB	Permeable Reactive Barrier
PTP	Property Transfer Program
RAP	Remedial Action Plan
RAR	Relevant and Appropriate Requirements
RCRA	Resource Conservation and Recovery Act
RCSA	Regulations of Connecticut State Agencies
RfD	reference dose
SDWA	Safe Drinking Water Act
SHPO	State Historic Preservation Office
SIP	Connecticut State Implementation Plan
SOP	Standard Operating Procedure
SVE	Soil Vapor Extraction
SVOCs	Semi-volatile Organic Compounds
SPLP	Synthetic Precipitation Leaching Procedure
SWPC	Surface Water Protection Criteria
TBCs	“To Be Considered” Criteria

TCE	Trichloroethylene
TCLP	Toxicity Characteristic Leaching Procedure
Town	Town of East Windsor
TPH	Total Petroleum Hydrocarbons
TtNUS	Tetra Tech NUS, Inc.
trans-DCE	trans-1,2-dichloroethylene
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
$\mu g/m^3$	micrograms per cubic meter
µS/cm	micro-Siemens per centimeter
USGS	United States Geological Survey
UST	Underground Storage Tank
VC	Volatilization Criteria
VOCs	Volatile Organic Compounds
WQC	Water Quality Criteria
XDD	Xpert Design and Diagnostics, LLC
ZVI	Zero-Valent Iron

1.0 INTRODUCTION

This Remedial Action Plan (RAP) has been prepared to summarize the nature and extent of soil, groundwater, and sediment impacts at the Broad Brook Mill Site (Site), located in East Windsor, Connecticut. This RAP includes proposed remedial alternatives for the Site, for review and approval by the Connecticut Department of Environmental Protection (CTDEP) and the United States Environmental Protection Agency (EPA).

Document Revision History

This RAP has been updated from earlier versions (dated December 2004, May 2006, March 2009, December 2009, and April 2010) which were previously submitted to CTDEP and EPA. Comments from CTDEP and EPA on the prior versions have been incorporated into this version.

2.0 SITE BACKGROUND

2.1 SITE LOCATION AND HISTORY

2.1.1 SITE AND AREA DESCRIPTION

The Site is located in the Broad Brook section of the Town of East Windsor (Town), Hartford County, Connecticut. The Site is approximately 4,000 feet south-southeast of the intersection of Routes 140 and 191, and is also known as the Millbrook Condominiums Site. **Figure 1** is a portion of the United States Geological Survey (USGS) topographic map of the Broad Brook quadrangle presenting significant topographic features, surface water bodies, and major access routes in the vicinity of the Site. **Figure 2** is a Tax Assessors map of the Site vicinity. A detailed Site map is presented in **Figure 3**.

The Site includes two separate lots, identified as Lots 8 and 8A of Block 37 on the Town's Tax Assessor Map 22. A former residential condominium building (21 units) that is also a former mill building, two garage buildings, and a former powerhouse (boiler house) occupy Lot 8 (15.20 acres). Postal addresses for the 21 former condominium units were 1 through 21 Brookside Drive. A commercial strip mall complex and a two-story brick office building occupy Lot 8A (1.94 acres) with postal addresses of 110 and 112 Main Street, respectively. Per Consent Order No. SRD-154 signed in November 2003 (modified on March 15, 2005), the 21 condominiums in the former mill building were vacated, and on October 29, 2004 Hamilton Sundstrand Corporation (HSC) purchased the former mill buildings on Lot 8 and associated common property to expedite remediation of the Site.

The Site is bounded to the north and west by a watercourse (Broad Brook), to the east by Main Street, and to the south by Mill Street. Broad Brook flows west along the northern portion of the Site and south along the western portion of the Site. Brookside Drive bisects Lot 8. The central area of the Site is overgrown with wooded vegetation. The eastern portion of the Site along Main Street slopes west, and is covered by areas of bituminous pavement and grass. The western portion of the Site is level, whereas the southern portion of the Site gently slopes toward Mill Street and is covered with wooded vegetation.

2.1.2 SITE HISTORY

The exact date of initial Site development could not be ascertained; however, data indicates that industrial activities first began at the Site prior to 1835, which included a grist mill, a saw mill, and a tannery. A detailed account of historical operations at the Site was provided in a report titled "Site Investigation Report" dated February 10, 1997 by Loureiro Engineering Associates, P.C. (LEA). Between 1835 and 1849, the Phelps Manufacturing Company operated a large scale woolen mill at the Site. In 1849, the Broad Brook Company bought the mill and continued manufacturing woolen products. During this period, the operations included picking, carding, spinning, dressing, weaving, scouring, carbonizing, napping, shearing, dyeing, and other associated processing activities.

Coal-fired boilers were operated at the Site to provide heat and steam to facilities up until 1954. A coal gas manufacturing plant was also operated at the Site from 1858 to 1902. The manufacturing plant used the carbureted water gas process to convert coal into gas for lighting buildings at the Site. The coal supply for these processes was stored in the southeastern portion of the Site.

On February 23, 1954, United Aircraft Corporation, now HSC, purchased the property and owned it until 1977. HSC manufactured printed-circuit boards, and operated associated processes including a wastewater treatment plant and a boiler house. During this time, the manufacturing processes included electroplating, chemical etching, photographic development, potting, soldering, assembly, testing, and other ancillary operations. In 1967, HSC moved the printed-circuit board manufacturing operations to its location in Windsor Locks, Connecticut. From 1968 to 1974, HSC utilized the Site buildings for storage of surplus material and conducted a boron filament manufacturing operation at the Site. Others, including Composite Materials, Inc. (CMI), a subsidiary of Alcoa, continued the operation of this boron filament manufacturing facility until 1977.

On January 31, 1977, HSC sold the Site buildings and associated property to Broad Brook Center, Inc., James R. Testa, John Bartus, and Broad Brook Center Associates (collectively referred to hereafter as BBCI). From 1977 to 1986, BBCI leased portions of the Site buildings to

a number of small commercial and light industrial facilities. HSC leased a portion of the Site buildings from BCCI for warehousing until expiration of the lease on December 31, 1981. On January 22, 1986, BCCI sold the Site and an undeveloped westerly abutting parcel of land to Connecticut Building Corporation (CBC).

On May 22, 1986, a fire destroyed the majority of the Site buildings. In July 1986, CBC applied for a permit to develop 21 residential condominium units in a former mill building on Lot 8 that had survived the fire. In 1989, a former mill building on Lot 8A that had also survived the fire was converted into a two story commercial office building, and in the early 1990s a commercial strip mall building was constructed on Lot 8A. Between 1990 and 1993, the residential condominiums were developed on Lot 8, and, along with townhouses developed on the westerly abutting parcel of land, became the property of the Millbrook Owners' Association. Two free-standing garage buildings were also constructed on Lot 8 as a part of the residential condominium development; however, another former mill building on Lot 8 that survived the fire, a former powerhouse, remained largely untouched.

On May 26, 2004, the property owned by the Millbrook Owners' Association was split into two: 1) the townhouses and associated property located on Church Street, and 2) the former mill building converted into 21 unit condominiums and associated property. Per Consent Order No. SRD-154, the 21 condominiums in the former mill building were vacated, and on October 29, 2004, HSC purchased the former mill building and associated common property.

Currently, the Site includes: Lot 8 (i.e., the vacated former mill building on Brookside Drive that formerly housed the 21 residential condominiums, the vacant powerhouse building, and two free-standing garage buildings) and Lot 8A (i.e., the strip mall building and a two-story commercial office building located at 110-112 Main Street).

Orphaned Operations and the Potentially Responsible Parties:

Prior to HSC's occupancy of the Site, operations such as a large scale woolen mill and tannery were conducted at the Site between 1835 and 1954. Since those companies no longer exist, they are considered "orphaned" operations. The remediation of contaminant impacts related to the

orphan operations are referred to as the "Orphan Share" of remedial activities throughout the remainder of this document. While these specific impacts are not the responsibility of HSC, HSC has helped to delineate the impacts and has designed remedies for the Orphan Share in cooperation with the CTDEP and the EPA.

From 1954 to 1986, various companies conducted operations at the Site including electro-plating, boron filament manufacturing, and other small manufacturing and light industrial operations. These companies are named as Potentially Responsible Parties (PRPs) for their portion of Site impacts. Remediation of impacts related to these more recent industrial activities are termed the "PRP Share" throughout the remainder of this document.

During the "orphaned" operations period, coal fired boilers were used to provide heat and steam for the various operations. The combustion byproducts from the normal coal-burning operations (primarily coal ash, fly ash, cinders, coal/slag fragments, etc.) have been observed in distinct fill layers across the entire Site. These materials were apparently commingled with other fill material and were spread around the Site during several known historical episodes of regrading/reworking activities (the comingled fill/coal ash materials are hereafter referred to as "black fill"). There were no environmental laws during that period to prevent spreading or disposal of coal ashes on-Site or in landfills, and this was a fairly common practice throughout the region and the State.

Typical constituents of coal ash material include semi-volatile organic compounds (SVOCs) (especially polycyclic aromatic hydrocarbons [PAHs]) and metals (such as arsenic, barium, cadmium, chromium, copper, mercury, nickel, lead, selenium, and zinc). Soil sampling conducted during Site investigations confirmed that these constituents were relatively uniformly distributed across the Site. The general widespread occurrence of these particular compounds was also consistent with the widespread presence of the black fill layers. Other historical sources of metals impacts (such as chromium and lead) may have been related to the tannery, woolen mill manufacturing processes, or use of lead-based paints.

2.2 SUMMARY OF ENVIRONMENTAL-RELATED ACTIVITIES

Environmental investigations began at the Site in the 1990's. Investigation data collected to date indicate that the Site is impacted with volatile organic compounds (VOCs), SVOCs, total petroleum hydrocarbons (TPH), and select metals as a result of historical activities. The following subsections summarize major investigation events at the Site.

2.2.1 INVESTIGATION EVENTS

A number of firms have conducted various subsurface investigations to assess the nature and extent of contamination at the Site. These investigations have ranged from limited subsurface evaluations to comprehensive assessments of soil, groundwater, sediment, and surface water. Investigation activities through 1995 were conducted on behalf of various financial institutions that potentially had interests in the Site property. HSC retained Loureiro Engineering Associates P.C. (LEA) in 1996 and began coordinating Site investigation activities. The investigation activities were conducted in compliance with CTDEP and the EPA programs and their implementing regulations. To date, a total of 12 major investigation events or activities have been performed on the Site. **Figures 4, 5, 6, and 7** present composite sample location maps of soil, groundwater, soil gas, and sediment/surface water samples collected to date at the Site, respectively.

2.2.1.1 Investigation by Heynen Teale Engineers (HTE) – 1993

Heynen Teale Engineers (HTE) prepared a Phase I investigation report (dated January 21, 1993) for Union Trust Company of Shelton, Connecticut. Subsequently in 1993, HTE performed Phase II investigations which included the installation of 28 soil borings, HTE-1 through HTE-28 (refer to **Figure 4** for locations), and five groundwater monitoring wells, MW-01 through MW-05 (refer to **Figure 5** for locations). In addition, HTE subcontracted a magnetometer survey to Kick Geoexploration. These investigations were described in a Phase II investigation report (dated October 6, 1993) prepared for First Fidelity Bancorporation of Newark, New Jersey. The results of these investigations indicated that the soils at the Site had been impacted by VOCs, SVOCs, and select inorganic constituents (e.g., metals).

2.2.1.2 Surface Soil Sampling by CTDEP – 1994

In October 1994, the CTDEP collected soil samples from 13 locations on the Site. The sampling locations, shown on **Figure 4**, are referred to as BG, SP1 and SP2, and CB1 through CB10. Location BG was intended to be representative of background soil at the Site, and was collected in the southern portion of the Site. Samples SP1 and SP2 were collected from the soil pile located west of Brookside Drive at an approximate depth of 30 inches. Samples CB1 through CB10 were collected in the vicinity of the condominium building in the northern portion of the Site at depths ranging from 0 to 8 inches below existing grade. The results of the CTDEP investigations confirmed HTE's findings that the soils at the Site had been impacted by VOCs, SVOCs, and select metals.

2.2.1.3 Sampling by EMG – 1995

The subsurface investigation performed by EMG in October 1995 included installation of a total of 12 soil borings, B01 through B12 (refer to **Figure 4** for locations), and from three of these borings (B06, B08, and B10), groundwater samples were collected on a one time basis (refer to **Figure 5** for locations). The results of EMG investigations indicated that the soils and groundwater on the eastern portion of the Site had been impacted by low levels of VOCs and barium.

2.2.1.4 Site Investigation by LEA – October-1996 to January-1997

On March 29, 1996, Consent Order No. SRD-069 was issued requiring a detailed characterization of the nature and extent of contamination at the Site. In response to the Consent Order, Updike, Kelly, & Spellacy, P.C. retained LEA on behalf of HSC to conduct the Site investigations. A Site Investigation Work Plan was prepared in March 1996, revised in July 1996, and was approved by the CTDEP in a letter dated August 14, 1996.

The Work Plan identified a total of ten Potential Contaminant Source Areas (PCSAs), PCSA-1 through PCSA-10 at the Site. A summary of former industrial and/or commercial activities in these PCSAs are provided in Section 3.1 of this document. The Site investigation work conducted (from October 1996 to January 1997) per the approved Work Plan included a) initial

screening investigations, b) environmental settings investigations, and c) initial Site characterization investigations.

The initial screening investigations were designed to optimize sampling efficiency by obtaining a more comprehensive view of soil and groundwater contamination across the Site prior to selecting locations for soil borings and monitoring wells. These initial screening investigations included the following:

- Geophysical surveys comprised of ground penetrating radar (GPR) and magnetometry performed by Kick Geoexploration from October 16 to December 3, 1996;
- Soil vapor survey of 78 locations performed in two phases: the first phase from October 9 to 30, 1996 and the second phase on January 8 and 9, 1997; and,
- Geoprobe® screenpoint sampling at ten locations (GP1 through GP10) performed on October 29 and 30, 1996.

The environmental settings investigations were conducted to understand Site soil and groundwater characteristics/conditions and their potential effects on the fate and transport of contaminants. These investigations included:

- Soils characterization to define the stratigraphy and physical properties of the unconsolidated materials in both the saturated and vadose zones;
- Monitoring well installation (MW-06, MW-07, MW-08, and MW-09), and well sampling on November 8, 1996 to obtain groundwater elevation measurements and monitor water quality, and characterization of physical properties of the saturated zone;
- Stream flow measurements at two separate locations; and,
- Stream piezometer installation (SGP-1 through SGP-5 and USD-1) to evaluate the interaction between the surface water and groundwater at the Site.

The initial Site characterization investigation was performed to characterize and possibly delineate the three-dimensional extent of contamination in soil, groundwater, surface water, and sediments. Sediment and surface water sampling was performed at a total of six locations

(SGP-1 through SGP-5 and USD-1) on November 7, 1996. A total of 54 soil borings and three additional monitoring wells (MW-10, MW-11S, and MW-11D) were installed from December 1996 to January 1997. An additional round of groundwater sampling was conducted on January 7 and 8, 1997.

The details of the investigation work and the results were presented in a report entitled "Site Investigation Report" dated February 10, 1997. The report concluded that the Site had been impacted by VOCs, SVOCs, TPH, and select metals; however, the work did not successfully delineate the three-dimensional extent of contamination. The investigation work also identified magnetic anomalies, debris piles, and a former stream channel on the Site.

2.2.1.5 Supplemental Site Investigation by LEA – October-1997 to March-1998

As discussed in the 1997 Site Investigations Report, the three-dimensional extent of contaminated soil had not been fully delineated during the previous investigations. Subsequently, a supplemental investigation was undertaken to:

- Further assess the three-dimensional extent of contamination in soil and groundwater on or emanating from the Site;
- Assess the presence or absence of VOCs in the bedrock aquifer;
- Further assess the three-dimensional extent of contamination in sediments in Broad Brook;
- Confirm that copper detected in surface water in Broad Brook was present at concentrations below the published Ambient Water Quality Criteria (AWQC); and,
- Determine if remediation is required at the Site to achieve compliance with applicable standards as listed in Section 122a-133k-1 through 3 of the Regulations of Connecticut State Agencies (RCSA) called Remediation Standard Regulations (CT RSRs).

On March 31, 1997, a document entitled "Supplemental Site Investigations Work Plan" was submitted to the CTDEP for review and approval. The Work Plan was revised in response to CTDEP comments on three separate occasions on August 6, 1997, August 25, 1997, and September 9, 1997, and subsequently approved by the CTDEP in a letter dated September 10,

1997. The results of the supplemental investigation work were described in the Final Site Investigations Report dated May 1, 1998 that was approved by the CTDEP in a letter dated May 19, 1999.

The supplemental investigation included additional sampling in the PCSAs ("SB" locations) to delineate the extent of target metal, VOCs, SVOCs, and TPH, and to further investigate the magnetic anomalies ("SBA" locations), debris piles ("SBD" locations), the former stream channel ("SBSC" locations), and surface soils ("SS" locations). During this investigation work, soil samples were collected from a total of 156 locations at the Site. Refer to **Figure 4** for sampling locations.

A total of 24 overburden groundwater monitoring wells (MW-12, MW-13S, MW-13D, MW-14, MW-15, MW-16, MW-17S, MW-17D, MW-18S, MW-18D, MW-19, MW-20, MW-21, MW-22, MW-23S, MW-23D, MW-25, MW-26, MW-27S, MW-27D, MW-28, MW-32, MW-33, and MW-34) were installed between December 1997 and March 1998. Further, to assess potential presence of VOCs in the bedrock aquifer, a total of four bedrock monitoring wells (MW-24BR, MW-29BR, MW-30BR, and MW-31BR) were installed during the supplemental investigation. Refer to **Figure 5** for monitoring well locations. Two groundwater monitoring events, one in February 1998 and the other in March 1998 were conducted at the Site. The bedrock well monitoring results showed that VOCs were not present in the bedrock aquifer.

During the supplemental investigation work, surface water samples were collected from SGP-1 through SGP-5 on February 10, 1998 and were analyzed for copper. The sampling results showed that copper concentrations in the surface water were below the published AWQC. A total of six sediment samples (SD-6 through SD-11) were also collected on February 10, 1998 to evaluate the nature and distribution of contamination (refer to **Figure 7** for locations).

2.2.1.6 Preliminary Assessment/Site Investigation (PA/SI) by EPA – 1999 to 2000

The EPA initiated a preliminary assessment/site investigation (PA/SI) in December 1999. As part of this work, a soil gas survey was completed on June 8, 2000 to characterize VOCs that might be present in the soil pore spaces in soil surrounding the former condominium building.

The investigation and results of the survey were provided in the Soil Gas Survey Final Report (dated June 30, 2000) prepared by the EPA. Soil gas samples were collected from 16 locations (refer to **Figure 6** for locations).

In August 2000, Tetra Tech NUS, Inc. (TtNUS) prepared a Combined PA/SI Report on behalf of the EPA. TtNUS and Dynamac Corporation prepared a Final Hazard Ranking System Package for the Broad Brook Mill (dated October 2000), which was also completed on behalf of the EPA.

2.2.1.7 Sediment Sampling by LEA – July-2002

In July 2002, a total of 14 sediment samples were collected by LEA, 11 samples from Broad Brook (SD-12 through SD-22) to evaluate contaminant distribution in the brook, and three samples from the upgradient Mill Pond (Pond-1 through Pond-3) to serve as background (refer to **Figure 7** for locations). The analytical results showed that two of the pond samples had relatively high levels of SVOCs compared to the samples collected in the brook.

2.2.1.8 Domestic Well Sampling by DEP and DEP/HSC – 1996, 1999, and 2005 through 2008

Domestic wells downgradient of the Site have been sampled on several occasions to assess the potential transport of contaminants off-Site. To date, none of the compounds analyzed have exceeded the applicable action levels. The first round of sampling was conducted on March 28, 1996 at eight properties on Mill Street. Methyl tertiary-butyl ether (MTBE) was detected at one location at a concentration well below the action level; all other analyzed parameters were not detected. On July 21, 1998, one drinking water well was sampled at 13 Mill Street, Broad Brook, Connecticut. Results for heavy metals were within the acceptable ranges and VOCs were not detected.

On February 14, 2005, the CTDEP (with cooperation from HSC/XDD, LLC [XDD]) sampled drinking water at four of the closest properties to the Site (34 Mill Street, 35 and 37 Mill Street, 38 Mill Street, and 40 Mill Street). Analytical data (**Appendix A**) was submitted by XDD to the CTDEP via email on March 7, 2005 and via overnight mail on March 14, 2005. As expected, the results were in compliance with the CTDEP GA groundwater criteria. Additional domestic well sampling events occurred in December 2006, June 2007, and June 2008 to confirm continued

compliance with the applicable criteria. Domestic well sampling has shown that downgradient groundwater quality has not been affected and it is therefore, not discussed further in this document. Domestic well sampling still occurs on an annual basis, as of the date of this report.

2.2.1.9 Groundwater Monitoring by XDD – 2003 to Present

In November 2003, XDD installed two monitoring wells, MW-35S and MW-35D, along the northern boundary of the Site. Boring logs are provided in **Appendix B**. Quarterly sampling of the Site monitoring wells for VOCs, SVOCs, TPH, and metals was completed between November 2003 and August 2004 to better evaluate temporal changes in groundwater quality. Further, to refine the interactions between groundwater and surface water, a total of nine stream gauges were installed in Broad Brook (SGX-1 through SGX-9) and two piezometers (PZ-1 and PZ-2) were installed on the Site (refer to **Figures 5 and 7**, respectively for locations), and monthly gauging of the stream gauges and corresponding monitoring wells/piezometers was initiated.

Groundwater sampling at select monitoring wells for specific parameters was completed in November 2004 to collect additional data to aid in the groundwater remedy approach and design. Four quarters of groundwater monitoring events (November 2004, February, May, and August 2005) were completed to confirm the presence/absence of antimony and thallium anomalously detected in Site groundwater between November 2003 and August 2004. Per discussion with the CTDEP on November 23, 2004, a total of four Site monitoring wells (i.e., MW-35D, MW-09, MW-23S, and MW-23D) were selected for sampling during two quarterly events (February and May 2005) to evaluate the potential presence of 1,4-dioxane in Site groundwater. Groundwater results are discussed further in Sections 3.3.2 and 5.4.

At this point, groundwater at the Site is considered adequately characterized to formulate a remedy. Voluntary sampling events on a modified monitoring well network were initiated in January 2006 to provide additional groundwater data.

During this period, a total of ten groundwater monitoring events (November 2003; February, May, August, and November 2004; February, May, and August 2005; January 2006; and

November 2008), and 13 monthly gauging events (November 2003 through November 2004) have been conducted at the Site. Analytical data is provided in **Appendix A**. The groundwater monitoring results have been provided to the CTDEP and the EPA in the following documents:

- November 2003 groundwater sampling and November 2003 through January 2004 monthly gauging events – May 2004 report;
- February 2004 groundwater sampling and February through April 2004 monthly gauging events – July 2004 report;
- May 2004 groundwater sampling and May through June 2004 monthly gauging events – August 2004 report;
- August 2004 groundwater sampling – included in the December 2004 RAP;
- November 2004 groundwater sampling – included in the December 2004 RAP;
- February 2005 groundwater sampling – May 6, 2005 memo;
- May 2005 groundwater sampling – August 4, 2005 memo;
- August 2005 groundwater sampling – September 16, 2005 memo; and,
- January 2006 groundwater sampling – May 16, 2006 memo.

The most recent groundwater sampling event at the site was conducted between November 11 and 13, 2008. Results from this most recent sampling event is presented in this RAP.

2.2.1.10 Strip Mall Delineation Sampling by XDD – 2004 to 2005

In December 2004 and February 2005, XDD completed additional soil sampling to delineate the distribution of previously identified impacted soil areas on Lot 8A (strip mall property). The sampling work was completed as outlined in the Lot-8A Area Geoprobe Sampling Work Plan by XDD dated December 14, 2004. The draft sampling work plan was submitted to the CTDEP on December 16, 2004. Per a follow up telephone conversation with the CTDEP on December 17, 2004, a total of nine additional sampling locations were included in the sampling network to delineate the extent of polluted black fill observed at the Site (the “polluted black fill” is further discussed in Sections 3.4.3 and 4.2.2 of this document).

The Final Site Investigation Report dated May 1, 1998 identified a total of four soil borings on the strip mall property that exceeded cleanup criteria specified in the CT RSRs (borings SB-12, SB-18, SB-23, and SB-40, see **Figure 4**). During the December 2004 and February 2005 field work, soil samples were collected and analyzed for relevant parameters for delineation of VOCs, TPH, and select metals (total mass and synthetic precipitation leaching procedure [SPLP]). Analytical data is provided in **Appendix A**, and the boring logs are provided in **Appendix C**. The results of the delineation work are provided in Section 5.3.3 of this document. (Note that these areas on the Lot 8A property were removed through excavation in December 2006. The details of the excavation work are presented in **Appendix F** and in Section 2.2.1.12 of this RAP).

In an effort to delineate criteria exceedances on the strip mall property, available groundwater data was evaluated to understand potential groundwater impacts on the strip mall property. Six monitoring wells (MW-07, MW-08, MW-15, MW-20, MW-14, and MW-21, see **Figure 5**) located along the boundary of the strip mall property provided groundwater data for impact evaluation. A data gap was identified for potential downgradient impacts from the chromium and lead (SPLP) exceedance areas at SB-23 and SB-40. Therefore, on May 13, 2005, XDD installed a temporary groundwater sampling point, GW8A-1 (**Figure 5**), on Lot 8 (former condominium property), at the boundary with Lot 8A (strip mall property). One groundwater sample was collected from the saturated interval at 10.5 feet below ground surface (ft BGS) (top of water table) to 17.5 ft BGS (bedrock). The sample was analyzed for chromium and lead and neither constituent exceeded the applicable criteria (analytical data is provided in **Appendix A**).

2.2.1.11 Additional Soil Investigations by XDD – 2005

The original proposed RAP for the Site, dated December 2004, was submitted for review by the CTDEP and EPA. The CTDEP provided initial review comments in a memorandum entitled "Initial Staff Review Memorandum", dated February 9, 2005. Subsequently, on March 9, 2005, a meeting was held between CTDEP, HSC, and XDD to discuss the CTDEP comments. One of the action items of this meeting was to conduct additional soil investigation work at the Site. A work plan entitled "Additional Soil Investigation Work Plan", dated April 21, 2005, was then submitted to the CTDEP. Upon the CTDEP verbal approval on May 2, 2005, the field work was conducted from May 10 to May 13, 2005 (a written approval of the work plan was dated May 27,

2005). The following subsections summarize the investigation tasks. Analytical data is provided in **Appendix A**. Boring logs are provided in **Appendix C**.

- Southern Area Sampling
  Previous investigation work identified the southern area as a data gap. Therefore, as proposed in the approved Additional Soil Investigation Work Plan, sampling in the southern area was completed on a 100 foot by 100 foot grid. A total of 40 soil samples were collected and analyzed for SVOCs and metals (total and SPLP) from 20 locations (BB-1 through BB-20, see **Figure 4**). The sampling results are summarized in Section 3.3.1 along with other soil sampling results.

- Former Stream Channel Investigations
  A stream channel flowed through the southern area of the Site before 1954, when it was relocated further to the west. Previous sampling showed that select metals SPLP analysis exceeded the criteria at sample location SBSC-5, and may be associated with potential contaminant transport via the former stream channel. In May 2005, XDD completed two additional soil borings (SBSC-6 and SBSC-7, see **Figure 4**). Data from SBSC-6 samples (northern sample location) showed criteria exceedances for metals (total) in the saturated zone sample. The corresponding saturated zone interval sample from SBSC-7 was analyzed as proposed in the work plan, and no exceedances for metals were observed. The former stream channel issue is further discussed in Section 3.1.11.1 of this document, which concludes that the former stream channel is not a potential migration pathway.

- Soil Pile Investigation
  According to the HTE Environmental Site Assessment Phase II Report from October 6, 1993, the large soil pile west of Brookside Drive (shown on **Figure 4**) consists of material excavated during the construction of townhouses west of Broad Brook. The area west of Broad Brook was previously undisturbed, and outside the influence of industrial activities conducted at the Site. Therefore, this soil was not expected to have exceedances unless as a result of background conditions.

To characterize the soil pile, the CTDEP collected soil samples SP1 and SP2 from the soil pile along with a background sample at the Site in 1994. These samples were analyzed for VOCs, TPH, pH, cyanide, polychlorinated biphenyls (PCBs), total metals, and leachable metals (via toxicity characteristic leaching procedure [TCLP] analysis).

The results of the soil pile samples were in compliance with criteria except for leachable metals. However, the CTDEP's Sampling Trip Report dated December 27, 1994, concluded that soil pile samples contained concentrations of leachable metals similar to or below the background sample.

The above-mentioned information was discussed at a meeting with CTDEP on March 9, 2005. It was agreed that a backhoe would be used to excavate the soil pile to observe any changes in soil color, type, and/or composition, to verify the composition of the soils in the pile and to determine that the soil pile was characterized by the CTDEP samples collected in 1994.

The soil pile investigation was completed on May 10 and 11, 2005 as part of the additional southern area investigation. A total of three excavations were made into the soil pile, one each in the northeast, northwest, and southwest portions of the soil pile using a backhoe. No significant color or textural changes were observed and the soil appeared innocuous with respect to contamination. Therefore, no further characterization of the soil pile was deemed necessary.

- <u>Additional Soil Sampling in the Northeast Corner</u>
  The results of soil sampling at locations CB1 through CB6 in the northeastern portion of the Site (**Figure 4**) by the CTDEP in 1994 identified barium, cadmium, and lead (SPLP) exceedances in shallow soils (up to 6 inches below ground surface [inches BGS]). The extent of the SPLP exceedances was not delineated in the northeastern direction by the historical sampling at the Site. Therefore, samples were analyzed from two additional locations (NE-1 and NE-2) for barium, cadmium, and lead SPLP

analysis (**Figure 4**). The sampling results are summarized in Section 3.3.1 along with other soil sampling data.

- Investigation at Outfall Pipe
  During the May 2005 sampling event an outfall pipe was identified on the northeastern corner of the former condominium building. To investigate potential contamination due to this outfall, a surface soil sample (PIPE-1) was collected during the May 2005 sampling event from the soil immediately below the pipe's outfall (refer to **Figure 4** for location). This sample was analyzed for VOCs, SVOCs, TPH, and total and extractable (SPLP) metals. The sampling results are summarized in Section 3.3.1 along with other soil sampling data.

2.2.1.12 Strip Mall Excavation Confirmation Sampling by XDD – 2006

In December 2006, confirmation sampling was performed during the excavation of three impacted soils areas extending onto Lot 8A (strip mall property): the arsenic exceedance areas at SB-18 and SB-23, and the SVOC exceedance area at SB10-6 (refer to **Figure 4** for locations). The extent of the excavation at each area was expanded until confirmation sampling results complied with applicable criteria. The confirmation sampling results and details of the excavation for the three areas are presented in **Appendix F**.

2.2.2 REGULATORY ACTIVITY

2.2.2.1 Initial Involvement

The CTDEP's Discovery and Assessment Program (DAP) of the Permitting, Enforcement, and Remediation Division received a complaint from an anonymous condominium owner on July 12, 1994. The complaint provided documents that suggested that Site soil and groundwater were found to contain TPH, trichloroethylene (TCE), and other VOCs at levels exceeding the draft criteria contained in the CTDEP proposed CT RSRs dated December 1994. The DAP and Property Transfer Program (PTP) collected soil samples from 13 on-Site locations on October 27, 1994.

On March 29, 1996, the CTDEP issued a consent order requiring a detailed characterization of the nature and extent of contamination at the Site (Consent Order No. SRD-069). Subsequent to detailed characterization of the Site, the CTDEP received a Final Investigation Report dated May 1, 1998, and forwarded it to the Department of Public Health (DPH) for review. Upon the DPH review of the 1998 report, the CTDEP determined that a remedial action was necessary. Subsequently, the CTDEP attempted to acquire the former condominium property for remediation, as the respondents to SRD-069 voluntarily agreed to make payments to a fund to be utilized by the CTDEP for the purchase of the Site. A consent order (Consent Order No. SRD-104) was issued on September 3, 1998 to make monies (approximately $1.6 million) available to the CTDEP for the purchase of the property. Consent Order No. SRD-104 was modified on April 28, 1999 to reflect the revised purchase offer price of approximately $1.8 million. However, the property could not be purchased, as an agreement between the CTDEP and the condominium owners could not be reached at that time.

2.2.2.2 Proposed National Priorities List Listing

The EPA initiated a PA/SI in December 1999, which included soil and soil gas sampling, and an indoor air evaluation. A Hazard Ranking System Package for the Broad Brook Mill (dated October, 2000) was completed by TtNUS on behalf of the EPA.

On December 1, 2000, the Site was proposed to be included in the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) National Priorities List (NPL) for a Superfund status. From May through July, 2001, at EPA's request, HSC performed voluntary removal activities, including installation of interim soil cover materials around the former condominium building and asbestos abatement activities in the vacant boiler house.

Subsequent to the Site's proposal for the Superfund status, the EPA, the CTDEP, and HSC began discussing alternative ways to remediate the Site. The EPA, the CTDEP, and the Town outlined the initial steps for deferral consideration at a public meeting on September 10, 2001, which included the Town acquiring the portion of the Site occupied by the 21-unit condominium building for future re-use as a municipal complex. During an August 15, 2002 Town meeting,

and in a subsequent September 26, 2002 referendum, the Town voted not to pursue acquisition of the property and funding of the municipal complex.

2.2.2.3 Deferral to State-Led Cleanup

Subsequent negotiations led to an agreement, signed in December 2003, to defer finalizing the Superfund listing of the Site in favor of remediation under the CTDEP authority. As part of the agreement, HSC would purchase the Site including the 21 residential units, thus allowing the cleanup to proceed quicker. The EPA and the CTDEP entered into a "deferral agreement" (dated December 8, 2003), with the CTDEP taking the lead in ensuring cleanup of the Site and the EPA providing oversight. The CTDEP also entered into a consent order with HSC to develop and implement a RAP (Consent Order No. SRD-154 dated November 19, 2003). Per the consent order, the 21 condominiums in the former mill building were vacated, and on October 29, 2004 HSC purchased the former mill building and associated common property for remediation purposes.

In accordance with Section C.1.b of the Consent Order and the Community Involvement Plan (CIP) submitted December 16, 2004, a community update mailing (February 2005) was conducted on February 25, 2005. Prior to the mailing, the community mailing database created by the EPA was updated to incorporate Maurice Hamel's (CTDEP) and Anni Loughlin's (EPA) comments. The final mailing list was approved by the CTDEP in an email dated February 22, 2005.

2.2.2.4 Consent Orders

On March 29, 1996, Consent Order No. SRD-069 was issued by the CTDEP mandating a detailed characterization of the nature and extent of contamination at the Site. Investigations under this consent order have continued through to the present. In addition, per Consent Order No. SRD-104 (issued September 3, 1998), the 21 condominiums in the former mill building were vacated, and on October 29, 2004, HSC purchased the former mill building and associated common property for remediation purposes.

Consent Order No. SRD-154 (dated November 19, 2003, modified on March 15, 2005) was issued by the CTDEP for the development and implementation of a RAP (per section C.1(c) of Consent Order No. SRD-154). The Consent Order required evaluation, and upon the CTDEP's approval, implementation of remedial actions to abate the Site groundwater, soil, and sediment contamination in accordance with CT RSRs and the Applicable or Relevant and Appropriate Requirements (ARARs).

As per Consent Order No. SRD-154, the Orphan Share of remedial activities has been accepted by the CTDEP and the State of Connecticut. Due to the long history of industrial activities conducted at the Site, a significant portion of soil impacts at the Site are attributable to historical operations of business entities that are no longer in existence. As per Section C.1(e) of the Consent Order, the CTDEP agreed to provide $3.9 million to fund the costs associated with remediation activities related to these non-HSC related soil impacts (referred to as the Orphan Share of the remediation activities). HSC has accepted the remaining soil and groundwater remediation costs related to the modern industrial activities.

As per Section C.1(d) and C.1(e) of Consent Order SRD-154, two separate work plans are required be submitted for the groundwater and soil/sediment remedies, upon approval of the RAP.

2.2.2.5 RAP Revision History

This document is an update of previous versions of the RAP (dated December 2004, May 2006, March 2009, and December 2009), which were previously submitted to the CTDEP and the EPA. This current version has been revised to address CTDEP and EPA comments on the previous versions (as described below).

Revisions to the December 2004 RAP: In December 2004, the original proposed RAP was submitted to the CTDEP and the EPA by XDD on behalf of HSC. The CTDEP provided interim comments on February 9, 2005 to which HSC responded in a letter prepared by XDD dated June 23, 2005. The CTDEP requested that additional soil investigations for the southern area be completed prior to finalization of the RAP. This additional investigation was described in

Section 2.2.1.11 above and the results initiated a change in the soil remedial approach, which was included in the revised May, 2006 proposed RAP.

Revisions to the May 2006 RAP: After submittal of the May 2006 proposed RAP, CTDEP provided comments in an email dated August 1, 2006. EPA also provided comments in a letter dated January 11, 2007 (addressed to Mr. Maurice Hamel). The comments were primarily related to:

- Request for additional clarifications regarding the nature of the Orphan Share and PRP Share of remediation activities;
- Implementation schedules of the proposed remedial alternatives;
- Additional details regarding achieving the appropriate ARARs with the proposed remedial alternatives;
- Protection of any points of historical significance (if needed), and
- Details regarding the Broad Brook river banks and sediment remediation approaches.

The above comments were addressed in the March 2009 version of the RAP.

Revisions to the March 2009 RAP: In a letter dated July 16, 2009, EPA requested additional discussion of the sediments in Broad Brook, and the relationship between the Mill Pond sluiceway and concrete outfall pipe on the western edge of the property (located downstream of a small dam structure). Also, in a letter dated July 23, 2009 CTDEP requested additional details regarding the nature of fill materials observed along the banks of the Broad Brook, in addition to other minor clarifications. Additional site work (including a visual survey of the river banks, and inspection of the Mill Pond sluiceway) was implemented, and the information was incorporated into the December 2009 RAP.

Revisions to December 2009 RAP: In an email and letter dated February 2, 2010, CTDEP and EPA provided comments regarding final edits to the ARARs section of the RAP. The ARARs were updated, and expanded to specifically apply to the river bank and sediment remedies.

Discussion of the proposed sediment and river bank remedies were also updated. These comments were addressed and incorporated into the April 2010 RAP.

Revisions to April 2010 RAP: In an email dated May 5, 2010 and letter dated April 29, 2010, CTDEP and EPA provided comments regarding final edits to the ARARs section of the RAP. These comments were addressed and incorporated addressed in this current version of the RAP within the appropriate sections.

2.2.2.6 Status Reporting

Since the December 2004 submittal of the proposed RAP, bimonthly progress reports summarizing Site activities have been submitted to Maurice Hamel of the CTDEP and Anni Loughlin of the EPA in accordance with Section C.2 of Consent Order No. SRD-154 dated November 19, 2003.

3.0 SUMMARY OF SITE INVESTIGATION ACTIVITIES

This section of the RAP describes the ten PCSAs, and four other areas of concern at the property. In addition, a summary of all investigation results from each area is presented.

3.1 POTENTIAL CONTAMINANT SOURCE AREAS

The Site Investigation Work Plan dated March 1996 (revised in July 1996 and approved by the CTDEP in a letter dated August 14, 1996) identified a total of ten PCSAs: PCSA-1 through PCSA-10 at the Site (refer to **Figure 4** for PCSAs locations). The PCSAs were identified based on the types of activities conducted in each area and the potential for those activities to impact environmental media at the Site. In addition to the PCSAs, the following four areas were identified for focused investigation: former stream channel, magnetic anomalies, a debris pile, and surface soils. The detailed investigation results were presented in the CTDEP-approved Final Site Investigation Report dated May 1, 1998. The following subsections provide a general description and summary of the investigation work.

3.1.1 PCSA-1: FORMER 20,000-GALLON UST AREA

Two 20,000-gallon underground storage tanks (USTs) were reportedly installed in this area located in the northwestern corner of the Site (see **Figures 4 and 5**) in approximately 1950 and were removed in 1986. The tanks were used for the storage of heating oil and were connected by underground piping to the adjacent boiler house. During the initial Site investigation work, a total of five soil borings were installed in PCSA-1 (SB1-1 through SB1-5, refer to **Figure 4**). Further, during the supplemental investigation work, a total of seven additional soil borings (SB1-6 through SB1-12) were installed to delineate the three-dimensional extent of soil contamination in PCSA-1.

Soil sample analyses indicated that VOCs, SVOCs, metals, and TPH were present within PCSA-1. The investigation results were presented in the Final Site Investigation Report dated May 1, 1998, and are summarized in Section 3.3 of this report.

3.1.2 PCSA-2: FORMER OUTSIDE STORAGE AREA

The information available suggests that this area, located near the southwest corner of the former power house building (see **Figures 4 and 5**), was used for storage of a variety of materials, potentially including containerized liquids. During the initial Site investigation work, a total of two soil borings were installed in PCSA-2 (SB2-1 and SB2-2, refer to **Figure 4**). Further, during the supplemental investigation work, a total of four additional soil borings (SB2-3 through SB2-6) were installed to delineate the three-dimensional extent of soil contamination.

Soil sample analyses indicated that SVOCs, metals, and TPH were present within PCSA-2. The investigation results were presented in the Final Site Investigation Report dated May 1, 1998, and are summarized in Section 3.3 of this report.

3.1.3 PCSA-3: CLEARED AREA WEST OF BROAD BROOK

Although no information was found indicating that this area located on the west side of Broad Brook (see **Figures 4 and 5**) has been impacted by past activities, its proximity to the manufacturing operations and the access provided over the brook to the area was of potential concern. During the initial screening and environmental investigations from October 1996 through January 1997, a series of aerial photographs were discovered in the archives maintained by HSC. Based on the review of the photographs, it appeared that there was a large clearing that was utilized as a source of fill material for the relocation of Broad Brook and the construction of the extension to the paved parking area in the southwestern portion of the Site. Based on a review of these aerial photographs and the results of the geophysical investigation performed during these investigations, it did not appear that industrial activities had been conducted in PCSA-3. Therefore, it was concluded that this area did not require further investigation, and no soil borings were installed during the initial and supplemental Site investigation work.

3.1.4 PCSA-4: FORMER 100,000-GALLON AST AREA

A former 100,000-gallon aboveground storage tank (AST) was constructed in 1945 for the storage of fuel oil. This area is located in the west central portion of the Site (see **Figures 4 and 5**). Fuel oil was conveyed from the tank to the former boiler house via underground pipe lines. The tank was demolished during the period from 1965 to 1970. During the initial Site

investigation work, a total of five soil borings were installed surrounding the footprint area of the AST (SB4-1 through SB4-5, refer to **Figure 4**). Further, during the supplemental investigative work, a total of nine direct push soil borings (SB4-6 through SB4-14) and two hollow stem auger borings (MW-22 and MW-23D) were installed to delineate the three-dimensional extent of soil contamination.

Soil sample analyses indicated that VOCs, SVOCs, metals, and TPH were present within PCSA-4. The investigation results were presented in the Final Site Investigation Report dated May 1, 1998, and are summarized in Section 3.3 of this report.

3.1.5 PCSA-5: FORMER MACHINE SHOP/TANNERY

This area located south of the former mill building and between the two existing garages (see **Figures 4 and 5**) was the location of a former tannery that was used during the period from approximately 1835 to 1849. During the tenure of the Broad Brook Company, this area was the location of a machine shop. During the initial Site investigation work, a total of six soil borings were installed in this area (SB5-1 through SB5-6, refer to **Figure 4**). During the supplemental investigation work, PCSAs 5, 6, 7, and 10 were evaluated as a single area rather than as individual areas due to the nature and distribution of the contaminants identified and it did not appear that any one area was directly related to any one specific activity. A total of 27 direct push soil borings (SB-1 through SB-27) and five hollow stem auger borings (MW-16, MW-17D, MW-25, MW-26, and MW-27D) were installed to characterize the extent of contamination in the vicinity of these PCSAs. An additional 14 soil borings (SB-28 through SB-41) were installed in response to the results obtained from the first 27 direct push borings.

Soil sample analyses indicated that SVOCs and metals were present within PCSA-5. The investigation results were presented in the Final Site Investigation Report dated May 1, 1998, and are summarized in Section 3.3 of this report.

3.1.6 PCSA-6: FORMER COAL/OIL GAS PLANT

This centrally located area (see **Figures 4 and 5**) was the former location of a coal/oil gasification plant that operated during the period from the mid-1800s to approximately 1902 to

supply manufactured gas for facility lighting. Wastes generated from the manufactured gas operations may potentially have been disposed in the vicinity of the gas plant. During the initial Site investigation work, a total of five soil borings (SB6-1 through SB6-5) were installed in this area (refer to **Figure 4** for sampling locations). As mentioned in the previous subsection (Section 3.1.5), during the supplemental investigation, PCSAs 5, 6, 7, and 10 were evaluated as a single area, and a total of 41 direct push and five hollow stem auger borings were installed.

Soil sample analyses indicated that SVOCs and metals were the most commonly observed compound classes within PCSA-6. No indication of coal tars that might have been associated with the coal/oil gasification operations were observed. The investigation results were presented in the Final Site Investigation Report dated May 1, 1998, and are summarized in Section 3.3 of this report.

3.1.7 PCSA-7: POTENTIAL GASOLINE UST AREA

This area, just southeast of PCSA-6 (see **Figures 4 and 5**), was the potential location of a gasoline UST that was identified during the review of a fire insurance map prepared for the Site; however, its presence has never been confirmed. The fire insurance map, which was obtained from the files maintained by the CTDEP, identified the tank as an unused gasoline tank. During the initial Site investigation work, a total of two soil borings (SB7-1 and SB7-2) were installed in this area (refer to **Figure 4** for sampling locations). As mentioned in Section 3.1.5, during the supplemental investigation, PCSAs 5, 6, 7, and 10 were evaluated as a single area, and a total of 41 direct push and five hollow stem auger borings were installed.

Soil sample analyses indicated that metals and TPH were present within PCSA-7. The investigation results were presented in the Final Site Investigation Report dated May 1, 1998, and are summarized in Section 3.3 of this report.

3.1.8 PCSA-8: FORMER ELECTROPLATING AREA

This centrally located area (see **Figures 4 and 5**) was the former location of an electroplating area. The electroplating operations involved a variety of cleaning solvents and plating solutions containing heavy metals. The electroplating wastewater was directed to an on-Site wastewater

treatment plant prior to discharge to Broad Brook. During the initial Site investigative work, a total of nine soil borings (SB8-1 through SB8-9) were installed in the area (refer to **Figure 4** for sampling locations). Further, during the supplemental investigation work, 18 additional soil borings (SB8-10 through SB8-27) and one hollow stem auger boring (MW-19) were installed. To delineate the three-dimensional extent of contamination, four additional soil borings (SB8-28 through SB8-31) were installed in response to the results obtained from the first 18 borings. The relatively close spacing of soil borings in this PCSA was necessary to effectively delineate the extent of contamination in soil and to assess the potential that chlorinated solvents exist as a separate phase in the subsurface in this area.

Soil sample analyses indicated that VOCs, SVOCs, and metals were present within PCSA-8. The investigation results were presented in the Final Site Investigation Report dated May 1, 1998, and are summarized in Section 3.3 of this report.

3.1.9 PCSA-9: FORMER COAL STORAGE AREA/MILL LANDFILL

This area located in the east central portion of the Site (see **Figures 4 and 5**) was the former location of a coal storage area and mill landfill. The former mill landfill was located in this area until approximately 1929, at which time some or all of the waste material was relocated to provide for additional coal storage. During the initial Site investigation work, a total of five soil borings (SB9-1 through SB9-5) were installed (refer to **Figure 4** for sampling locations). Further, during the supplemental investigative work, 11 additional soil borings (SB9-6 through SB9-16) were installed. To delineate the three-dimensional extent of contamination, three soil borings (SB9-17, SB9-18, and SB9-20) were installed in response to the results obtained from the previous 11 borings.

Soil sample analyses indicated that SVOCs and metals were present within PCSA-9. The investigation results were presented in the Final Site Investigation Report dated May 1, 1998, and are summarized in Section 3.3 of this report.

3.1.10 PCSA-10: FORMER OUTSIDE STORAGE AREA

This area, located immediately south of the former condominium building (see **Figures 4 and 5**), was identified during aerial photograph review as an outside storage area used for storage of a variety of materials, potentially including containerized liquids. During the initial Site investigation work, a total of nine direct push soil borings (SB10-1 through SB10-9) and one hollow stem auger boring (MW-10) were installed (refer to **Figure 4** for sampling locations). As mentioned in Section 3.1.5, during the supplemental investigative work, PCSAs 5, 6, 7, and 10 were evaluated as a single area, and a total of 41 direct push and five hollow stem auger borings were installed.

Soil sample analyses indicated that SVOCs and metals were present within PCSA-10. The investigation results were presented in the Final Site Investigation Report dated May 1, 1998, and are summarized in Section 3.3 of this report.

3.1.11 OTHER AREAS OF FOCUSED INVESTIGATION

3.1.11.1 Former Stream Channel

The location of Broad Brook has been altered several times during the course of operations at the Site. One such alteration occurred in 1945, when a substantial portion of the brook's channel was rerouted approximately 250 feet to the west and northwest to make space for the construction of buildings. The former location of the stream channel is shown in **Figure 8**. The former stream channel was investigated separately to evaluate if it was a potential preferred contaminant transport pathway.

Based on results from a geophysical investigation completed at the Site, three borings were located in the former stream channel area (SBSC-1 through SBSC-3) during initial Site characterization (refer to **Figure 4** for sampling locations). Further, during the supplemental investigation work, three additional soil borings (SBSC-4, SBSC-5, and SBA-7) were installed in the former stream channel area. The sampling results showed that select metals SPLP analysis exceeded the criteria at sample location SBSC-5, the southern most sampling location, which may be associated with potential contaminant transport via the former stream channel. To investigate this potential contaminant transport pathway further, two additional soil borings

(SBSC-6 and SBSC-7) were sampled in May 2005 per the Additional Soil Investigation Work Plan dated April 21, 2005.

To evaluate the potential for contaminant migration in the former stream channel from north to south, samples from SBSC-6 (northern sample location) were initially submitted for laboratory analysis. Analytical results for SBSC-6 showed that there were only criteria exceedances for metals in the 12-14 ft BGS interval. Therefore, the SBSC-7 sample from the 14-16 ft BGS interval was submitted for laboratory analysis and no criteria exceedances were found. These results indicated that the criteria exceedances were location specific, and the stream channel is not a preferred conduit for contaminant transport at the Site. Therefore, the former stream channel sampling data is discussed within the context of Site-wide soil impacts in Section 3.3.1, and is not considered a separate concern.

3.1.11.2 Magnetic Anomalies

Geophysical investigations (GPR and magnetometry surveys) were conducted during the initial Site characterization investigations to identify magnetic anomalies that may have impacts on soil and/or groundwater quality and the results were presented in the Site Investigation Report dated February 10, 1997. Three sampling locations (SBA-1 through SBA-3) were installed in the immediate vicinity of large amplitude magnetic anomalies. During the supplemental investigation, an additional seven locations (SBA-4 through SBA-6, SBA-8 through SBA-10, and MW-13) were installed. The results of soil sampling in the areas of magnetic anomalies indicated that contaminant levels in these areas were consistent with impacts observed across the Site, rather than from separate impacts related to the magnetic anomalies. Therefore, the soil sampling from areas of magnetic anomalies is discussed within the context of Site-wide soil impacts in Section 3.3.1 and is not considered a separate concern.

3.1.11.3 Debris Pile

As noted in a letter from the CTDEP dated March 28, 1997, an area of debris is located west of Broad Brook, south of PCSA-3 and the utility right-of-way. This area was observed by the representatives of the CTDEP and LEA in January 1997, and found to contain a solid concrete and stone structure approximately three feet high and two feet square, an abandoned truck axle,

steel strapping or wire, and bricks. Based on the nature of the debris present, it did not appear that its presence was related to the manufacturing activities conducted at the Site. However, to evaluate the potential impacts from the debris pile, two soil borings (SBD-1 and SBD-2) were installed in the area (refer to **Figure 4** for sampling locations) during the supplemental investigative work. Results indicated that the debris pile had not been impacted by manufacturing activities at the Site and was determined to be of no potential concern.

3.1.11.4 Surface Soil Sampling

To assess the presence of mercury in surface soils due to the potential mercury release to the air from former operations at the Site, a total of four surface soil samples (SS-1 through SS-4) were collected during the supplemental investigative work (refer to **Figure 4** for locations). The sampling locations were chosen along the eastern property boundary based on average wind directions in the area. Further, two empty drums were found adjacent to the northwest corner of the former boiler house, and to evaluate potential impacts, two additional surface soil samples (SS-5 and SS-6) were collected in the vicinity of this area. The sampling results showed elevated mercury concentrations in the surface soil sample collected at location SS-6. To completely delineate the extent of mercury observed at SS-6, a total of 13 additional surface soil samples (SS-6-1 through SB-6-13) were collected in the area. In 1998, the CTDEP performed the excavation and removal of the soils contaminated with mercury (refer to Section 3.5.1).

Mercury contamination in surface soils at the Site has been addressed as a result of the above excavation activities. Future activities will consist of groundwater monitoring for mercury to satisfy the compliance and post-remedial monitoring requirements of the CT RSRs, Section 22a-133k-3(f) and -3(g), respectively..

3.2 CONTAMINANTS OF CONCERN

A series of investigations conducted at the Site evaluated the Site environmental media (i.e., soil, groundwater, surface water, and sediments) for a number of contaminants including VOCs, SVOCs, metals, TPH, cyanide, and PCBs. The contaminants of potential concern (potential COCs) for the Site are defined as contaminants that have been detected more than twice in the

sampling data collected and presented in the Final Site Investigation Report dated May 1, 1998. Per this definition, the following is a list of potential COCs for the Site.

- **VOCs:** 1) acetone, 2) carbon disulfide, 3) chloroethane, 4) chloroform, 5) methyl ethyl ketone (MEK), 6) MTBE, 7) benzene, 8) toluene, 9) ethylbenzene, 10) xylenes, 11) chlorobenzene, 12) 1,2-dichlorobenzene, 13) 1,3-dichlorobenzene, 14) 1,4-dichlorobenzene, 15) tetrachloroethylene (PCE), 16) TCE, 17) 1,1,1-trichloroethane (1,1,1-TCA), 18) cis-1,2-dichloroethylene (cis-DCE), 19) trans-1,2-dichloroethylene (trans-DCE), 20) 1,1-dichloroethylene (1,1-DCE), 21) 1,1-dichloroethane (1,1-DCA), and 22) vinyl chloride.

- **SVOCs:** 1) acenaphthene, 2) acenaphthylene, 3) anthracene, 4) benzo(a)anthracene, 5) benzo(a)pyrene, 6) benzo(b)fluoranthene, 7) benzo(g,h,i)perylene, 8) benzo(k)fluoranthene, 9) bis(2-ethylhexyl)phthalate, 10) chrysene (1,2-benzophenanthrene), 11) dibutyl phthalate, 12) fluoranthene, 13) fluorene, 14) indeno(1,2,3-cd)pyrene, 15) naphthalene, 16) phenanthrene, and 17) pyrene.

- **Metals:** 1) arsenic (As), 2) barium (Ba), 3) boron (B), 4) cadmium (Cd), 5) chromium (Cr), 6) copper (Cu), 7) lead (Pb), 8) mercury (Hg), 9) nickel (Ni), 10) selenium (Se), 11) silver (Ag), and 12) zinc (Zn). Further, four additional metals, 13) antimony (Sb), 14) beryllium (Be), 15) thallium (Tl), and 16) vanadium (V), listed in the CT RSRs, were added to the list of potential COCs.

- **TPH**

Compounds Not Considered COCs:

- **Cyanide:** As presented in the Final Site Investigation Report, a total of 169 samples collected from various environmental media were analyzed for cyanide, and only one soil sample (CB1) collected by the CTDEP showed a detectable concentration of 5 milligrams per kilogram (mg/kg) compared to the CT RSRs criterion of 1,400 mg/kg for a residential scenario. Results of the other samples were non-detect for cyanide concentrations; therefore, cyanide was not included as a potential COC.

- **PCBs:** A total of 44 soil samples were analyzed for PCBs. Only three of the samples showed detectable concentrations of 310, 330, and 670 micrograms per kilogram (µg/kg) (at locations SS-12, SS-7, and composite-2, respectively) compared to CT RSRs criteria of 1,000 µg/kg for a residential scenario. Results of the other samples showed non-detectable PCB concentrations; therefore, PCBs were not included as a potential COC for the Site.

3.3 EXTENT OF CONTAMINATION

3.3.1 SOILS EVALUATION SUMMARY

To date a total of 333 soil boring locations have been installed, and a total of 1,555 discrete soil samples have been collected and analyzed for the Site. The sampling locations are shown on **Figure 4**. The results of soil samples collected to date are summarized in the following subsections by analyte type.

3.3.1.1 VOCs

The soil VOC data for the vadose and saturated zones collected to date at the Site is presented in **Tables 1A through 2B**, and depicted on **Figures 9A and 9B**. The investigation results show that VOCs in soil were observed in a majority of the PCSAs. Areas of relatively higher VOC contamination were located in the vicinity of PCSA-1 in the northwest portion of the Site near the former boiler house, and in the vicinity of PCSAs 4 and 8.

A review of the analytical data for VOCs in soil samples (**Tables 1A through 2B**) indicates that chlorinated VOCs were the most commonly detected VOCs in the Site soil. Chlorinated VOCs (e.g., TCE and 1,1,1-TCA) are typically associated with degreasing operations and machine maintenance operations which are known to have been conducted at the Site.

TCE was detected in nearly 90 percent of the samples which contained detectable concentrations of VOCs. Detectable TCE concentrations ranged from 1 to 34,000 µg/kg. An evaluation of the analytical data indicate that the majority of the samples containing the highest detectable concentrations of TCE in soils were collected in the immediate vicinity of the former printed

circuit manufacturing operations (PCSA-8), the former fuel oil AST (PCSA-4), and the former manufactured gas plant (PCSA-6).

1,1,1-TCA and PCE were detected in approximately 19 and 8 percent of the soil samples which contained detectable concentrations of VOCs, respectively. Detectable concentrations of 1,1,1-TCA ranged from 0.54 to 3,200 μg/kg. The highest detectable concentrations of 1,1,1-TCA in soils were observed in the samples collected in the eastern portion of the Site, immediately west of the existing strip mall building. In addition, individual samples collected in the vicinity of PCSA-4 and PCSA-8 also contained 1,1,1-TCA. Detectable PCE concentrations ranged from 1 to 1,300 μg/kg. The highest concentrations of PCE in soils were observed in the samples collected in the vicinity of PCSA-4 and PCSA-8. In addition, individual samples collected from locations in the eastern portion of the Site, immediately west of the existing strip mall building and in the vicinity of PCSA-1, also contained PCE.

The other VOCs detected in Site soils (refer to **Tables 1A through 2B**) included: acetone (19.4 to 6,600 μg/kg), benzene (0.42 to 453 μg/kg), carbon disulfide (17 to 24 μg/kg), chloroform (5.6 to 58 μg/kg), 1,1-DCA (6.5 to 40 μg/kg), 1,1-DCE (9.6 to 360 μg/kg), cis-DCE (9.4 to 10,000 μg/kg), trans-DCE (5.9 to 71 μg/kg), 1,2-dichlorobenzene (11 μg/kg), 1,3-dichlorobenzene (15 μg/kg), 1,4-dichlorobenzene (8.1 μg/kg), ethylbenzene (0.7 to 2,770 μg/kg), MEK (20 to 350 μg/kg), toluene (0.7 to 1,530 μg/kg), vinyl chloride (33 to 520 μg/kg), and total xylenes (3.7 to 1,000 μg/kg).

3.3.1.2 SVOCs

The soil SVOC data for the vadose and saturated zones collected to date at the Site is presented in **Tables 3 and 4**, respectively, and depicted on **Figure 10**. The nine most commonly detected SVOCs (those identified in greater than 50 percent of the samples containing detectable concentrations of SVOCs) are benzo[a]anthracene (27 to 45,100 μg/kg), benzo[a]pyrene (56 to 30,400 μg/kg), benzo[b]fluoranthene (22 to 36,200 μg/kg), benzo[ghi]perylene (50 to 16,600 μg/kg), benzo[k]fluoranthene (29 to 17,200 μg/kg), chrysene (42 to 42,200 μg/kg), fluoranthene

(66 to 93,900 µg/kg), indeno(1,2,3-cd)pyrene (50 to 18,000 µg/kg), and pyrene (75 to 80,000 µg/kg).

Each of the most commonly detected SVOCs can be associated with the combustion byproducts of coal (including partially combusted coal, particulate matter in coal combustion facility flue gas, the tar produced during the production of manufactured gas) and in heavier fraction fuel oils (such as crude, No. 6, and to a lesser extent No. 4 fuel oil).

SVOCs were generally detected in a significant percentage of those samples collected from the uppermost 4 feet of soils at varying concentrations throughout the Site. A review of the soil boring logs (presented in **Appendix C** of the Final Site Investigation Report dated May 1, 1998) for each of the eight locations with the highest detected SVOC concentrations (i.e., borings SBMW20-1, MW-10, SB-5, SB10-7, SB6-3, SB-36, SB9-15, and SB9-18) indicate a potential relationship between the interval in which the SVOCs were detected and the soils being classified as dark brown or black in color and one or a combination of slag, ash, coal and/or cinders was noted in the boring log at that interval. Additionally, a review of the boring logs for locations at which SVOCs were detected in soils collected from the top 0 to 4 ft BGS indicate that in a number of cases, the materials were classified similarly. The presence of this dark brown or black fill material is further discussed in Section 3.4.3 and 4.2.2 of this report.

SVOCs were also detected in deeper intervals sampled (i.e., depths greater than 4 ft BGS). In these deeper intervals, the highest concentrations of SVOCs were identified in samples collected from borings MW-13D (4 to 6 ft BGS), SB-17 (12 to 14 ft BGS), SB4-2 (4 to 6 ft BGS), SB4-4 (12 to 14 ft BGS), SB4-8 (12 to 14 ft BGS), and SB8-10 (4 to 6 ft BGS). A review of the soil boring logs for each of the six locations identified above indicate that in three instances (SB-17, SB4-8, and SB8-10), the interval in which the SVOCs were detected was classified as being dark brown or black in color and containing one or a combination of slag, ash, coal, and/or cinders. Samples collected from SB-17 contained the highest concentrations of SVOCs in samples collected at depths greater than 4 ft BGS. At two other locations (SB4-2 and SB4-4), the samples selected for analysis were observed to be stained black and the sample collected from SB4-4 was observed to have a sheen. In the remaining sample in which SVOCs were detected at

depths greater than 4 ft BGS (MW-13D), the materials sampled were described in the field boring logs as containing pieces of brick.

3.3.1.3 TPH

The soil TPH data for the vadose and saturated zones collected to date at the Site is presented in **Tables 5 and 6**, respectively, and depicted on **Figure 11**. Detectable concentrations of TPH ranged from 42.7 to 35,000 mg/kg. An evaluation of the data indicates that the majority of the soil samples containing the highest detectable concentrations of TPH were collected in the immediate vicinity of the location of the former USTs (PCSA-1), in the area south of the former powerhouse (PCSA-2), in the vicinity of the former fuel oil AST (PCSA-4), in the vicinity of the location of the former tannery (PCSA-5), and in the eastern and southern portions of the former outdoor storage area (PCSA-10).

3.3.1.4 Metals

The soil metals data for the vadose and saturated zones collected to date at the Site is presented in **Tables 7 through 9**, and depicted on **Figures 12A and 12B**. The nine most commonly detected inorganic compounds (those identified in greater than 50 percent of the samples containing detectable concentrations of inorganic constituents) are arsenic (0.45 to 283 mg/kg), barium (21.8 to 591 mg/kg), boron (0.17 to 84 mg/kg), chromium (5.3 to 5,320 mg/kg), copper (3.7 to 872 mg/kg), lead (2.6 to 2,280 mg/kg), mercury (0.011 to 372 mg/kg), nickel (5.6 to 40.3 mg/kg), and zinc (14.1 to 806 mg/kg). The three most commonly detected constituents in soil samples analyzed following SPLP extraction (those identified in greater than 50 percent of the samples containing detectable concentrations of inorganic constituents in the SPLP extract) are boron (0.024 to 0.3 milligrams per liter [mg/L]), lead (0.0012 to 0.682 mg/L), and zinc (0.0052 to 0.96 mg/L).

The above-mentioned metals were generally detected in soils throughout the Site. The observed maximum concentrations of nickel and boron appeared to be within background concentrations. A high percentage of the samples containing arsenic, barium, lead, and zinc were located in the top 4 feet of the Site soil. Similar to SVOCs data, a review of the boring logs indicated that a high percentage of sample intervals with detections of the total and extractable metals are

identified as dark brown to black fill material (i.e., black fill or coal ash related). Other historical operations at the Site could be responsible for the presence of some of these metals constituents.

Elevated concentrations of chromium and copper were observed in a number of soil samples at varying depths in PCSAs 4, 5, 6, 8, and 10. Both copper and chromium could be associated with byproducts of the printed circuit board manufacturing. Chromium could also be associated with the byproducts of the former tannery operation.

Elevated concentrations of mercury were detected in shallow soil samples collected in PCSA-1. It is likely that the source of the mercury in the shallow soils is associated with the operation of the boiler house. Mercury in shallow soils has been addressed through interim remedial activity as described in Section 3.5.1.

3.3.1.5 Summary of Soil Evaluation

The data from the investigations conducted at the Site indicate that detectable concentrations of VOCs, in particular chlorinated VOCs, including TCE, 1,1,1-TCA, and PCE, have been identified in soil samples obtained from borings advanced in the areas of PCSAs 1, 2, 4, 5, 6, 7, 8, 9, and 10. Based on the historical activities conducted at the Site, the VOC contamination identified is likely associated with the past use and storage of degreasing solvents at the Site.

A review of boring logs and analytical data indicated that a layer of dark brown to black fill material observed in the majority of the locations is associated with the presence of elevated concentrations of SVOCs. This fill contains visible material and chemical constituents that are characteristic of the byproducts of the combustion of coal. The history of Site operations indicates a number of instances where portions of the Site would have been regraded or filled. These operations likely account for the wide-spread nature of the dark brown to black fill material. In the cases where the dark brown to black fill material is present in areas of the storage of No. 4 or No. 6 fuel oil, so either, or both sources are likely contributors to SVOCs detected in these areas.

A review of boring logs and analytical data indicated that the layer of dark brown to black fill material observed in the majority of the locations is associated with elevated metals concentrations. Other historical operations at the Site could be responsible for the presence of specific metals (e.g., copper and chromium from printed circuit board manufacturing, and chromium from tannery operations). It is likely that the source of the mercury in the shallow soils is associated with the operation of the boiler house. Mercury in shallow soils has been addressed through interim remedial activity as described in Section 3.5.1.

The TPH contamination observed at the Site is likely associated with the use and storage of various grade oils, gasoline, or diesel fuel, and potentially the byproducts associated with coal combustion.

3.3.2 GROUNDWATER EVALUATION SUMMARY

Based on the quantity of groundwater data collected during this investigation, groundwater at the Site is considered adequately characterized to formulate a remedy. Four full quarters of data have been collected at the Site, as well as five additional quarters of data from a reduced monitoring network. This data shows VOC impacts across the center of the Site with limited impacts from SVOCs, TPH, and metals.

To date a total of 42 monitoring wells (MW-01, MW-02, MW-03, MW-04, MW-05, MW-06, MW-07, MW-08, MW-09, MW-10, MW-11D, MW-11S, MW-12, MW-13D, MW-13S, MW-14, MW-15, MW-16, MW-17D, MW-17S, MW-18D, MW-18S, MW-19, MW-20, MW-21, MW-22, MW-23D, MW-23S, MW-24BR, MW-25, MW-26, MW-27D, MW-27S, MW-28, MW-29BR, MW-30BR, MW-31BR, MW-32, MW-33, MW-34, MW-35D, and MW-35S) have been installed at the Site for groundwater quality evaluation. Additionally, temporary groundwater monitoring points were installed and sampled on a one-time basis during four separate investigation events conducted in October 1995, October 1996, January 1997, and May 2005. The following subsections summarize the monitoring events and describe the groundwater quality results.

3.3.2.1 Monitoring Locations

In August 1993, a total of five monitoring wells (MW-01 through MW-05) were installed at the Site. Subsequently, in October 1995, a total of three temporary points (B06, B08, and B10) were sampled for groundwater on or near the strip mall property. During the initial screening investigations conducted as part of the initial Site investigations, Geoprobe® screenpoint sampling was conducted at a total of ten locations (GP1 through GP10) in October 1996 to provide an overview of groundwater quality across the Site. Seven additional monitoring wells (MW-06 through MW-10, MW-11S, and MW-11D) were installed from October 1996 through January 1997 during the initial Site investigation work.

During the supplemental delineation work from December 1997 to March 1998, a total of 28 additional monitoring wells were installed at 23 locations:

- MW-12 through MW-21, MW-25, MW-26, MW-27D, and MW-27S to further delineate the northern, southern, and eastern extent of VOCs in groundwater;
- MW-22, MW-23D, and MW-23S to further delineate the western extent of VOCs and target metals in groundwater;
- MW-28 to assess the potential of a SVOC plume in the vicinity of PCSAs 6 and 7;
- MW-32, MW-33, and MW-34 to delineate the extent of chromium in groundwater detected on the western portion of the Site in the vicinity of monitoring wells MW-03 and MW-23S; and,
- Four bedrock monitoring wells (MW-24BR, MW-29BR, MW-30BR, and MW-31BR) to assess the potential for VOC contamination in the bedrock aquifer.

In November 2003, XDD installed two additional monitoring wells (MW-35D and MW-35S) at the Site. A temporary groundwater sampling point (GW8A-1) was installed on Lot 8, at the boundary with Lot 8A, in May 2005. **Figure 5** shows the locations of the monitoring wells on the Site map, and **Table 10** provides well construction details (refer to **Appendix B** for monitoring well boring logs).

3.3.2.2 Groundwater Monitoring Results

The first groundwater monitoring event was conducted at the Site in September 1993 which included sampling of monitoring wells MW-01 through MW-05. Subsequently, two additional monitoring well sampling events using all or a subset of the available monitoring wells were conducted in November 1996 and January 1997 during the initial Site investigation work. During the supplemental investigative work, a total of two additional groundwater sampling events were conducted in February and March 1998.

To understand the current state of Site groundwater quality for an evaluation of groundwater remedial options, XDD implemented quarterly groundwater sampling in November 2003. A total of four complete quarterly monitoring events were conducted at the Site and a reduced monitoring network was sampled from November 2004 through August 2005. The results of the quarterly sampling are representative of current conditions at the Site, and thus will be discussed in this section of the RAP. A discussion of the measured groundwater COCs concentrations with respect to the CT RSRs is provided in Section 5.0 of the RAP.

During the first four quarterly events (November 2003 through August 2004), the monitoring network included the 42 monitoring wells installed at the Site. The monitoring parameters during the first four quarterly events included the collection of field parameter data (specific conductivity, pH, oxidation-reduction potential [ORP], dissolved oxygen [DO], and temperature) and groundwater samples for analysis of the COCs (i.e., VOCs, SVOCs, TPH, and selected metals) to assess for seasonal variations in groundwater quality. From November 2004 through August 2005, quarterly sampling was performed on a reduced monitoring network (select monitoring wells and parameters) to further evaluate the groundwater remedial alternatives, and to confirm the presence/absence of several anomalous constituents.

Per discussion with the CTDEP on November 23, 2004, a total of four Site monitoring wells (MW-35D, MW-09, MW-23S, and MW-23D) were selected for sampling during two quarterly events (February and May 2005) to evaluate the potential presence of 1,4-dioxane in Site groundwater.

Based on the quantity of groundwater data collected during this investigation, groundwater at the Site is considered adequately characterized to formulate a remedy. Voluntary sampling events were performed in January 2006 and November 2008 on a reduced monitoring network to provide additional groundwater data. **Table 11** presents the groundwater monitoring network for the various sampling events and **Table 12** provides the monitoring parameters and analytical methods.

The quarterly groundwater sampling was performed using low-flow sampling techniques based on the EPA Region 1 protocol. Peristaltic pumps were used to pump groundwater and a handheld YSI 600XL – multi-probe unit was used to collect field parameter data. Samples collected during the first four quarters (November 2003, February 2004, May 2004, and August 2004) were sent to Premier Laboratory, LLC of Dayville, Connecticut for analysis; whereas the samples collected from November 2004 through November 2008 were sent to Accutest Laboratories of Marlborough, Massachusetts for analysis. The analytical reports are attached as **Appendix A**.

- <u>Field Parameters</u>
  Field parameter measurements (conductivity, DO, ORP, pH, and temperature) were collected at the monitoring locations using low-flow sampling techniques. **Table 13** provides the field parameter data for each well sampled during the previous sampling events. Neutral pH conditions ranging from 4.83 to 9.03 were observed in the overburden monitoring wells (with the exception of an anomalous pH reading of 3.43 and 3.84 at MW-08 and MW-28, respectively, in August, 2004). The bedrock wells (MW-24BR, MW-29BR, MW-30BR, and MW-31BR) generally exhibited higher pH readings ranging from 6.90 to 9.27. The specific conductivity readings were in the range of 75 to 1,101 micro-Siemens per centimeter (μS/cm) at overburden Site monitoring wells (with the exception of an anomalous conductivity measurement of 4,908 μS/cm). The bedrock wells exhibited conductivity readings ranging from 80 to 224 μS/cm. Conductivity and pH measurements were within the range of those measured during previous sampling events.

The ORP values measured were between -366.0 and 661.0 millivolts (mV) at the Site overburden monitoring wells, indicating a full range of reducing/oxidation potential in overburden groundwater at the Site. The four bedrock wells showed ORP values ranging between -70.9 and 584.3 mV. The DO measurements in the overburden monitoring wells ranged from 0.08 to 13.76 mg/L. The bedrock wells were observed to have DO values ranging from 3.85 to 9.85 mg/L.

- VOCs

  Since November 2003, VOCs were detected in groundwater from 34 of the 41 monitoring wells sampled (**Table 14**). The most prevalent compounds, TCE and 1,1,1-TCA, were detected at concentrations ranging from less than 0.11 to 544 micrograms per liter (µg/L) and less than 0.13 to 270 µg/L, respectively. Other VOCs that have been detected above the laboratory's practical quantification limit (PQL) (i.e., not estimated values) include PCE, cis-DCE, 1,1-DCE, 1,1-DCA, and vinyl chloride. **Table 15** summarizes the groundwater results for 1,4-dioxane collected at 11 monitoring wells.

  VOCs were not detected in any of the bedrock monitoring wells suggesting that the VOC distribution is limited to the unconsolidated saturated zone.

- SVOCs

  Most of the SVOC results since November 2003 (**Table 16**) are below detection limits or qualified as estimated by the laboratory. SVOCs that have estimated detections (i.e., above method detection limits but below PQLs) include acenaphthene, anthracene, benzo(a)anthracene, benzo(a)pyrene, bis(2-ethylhexyl)phthalate, di-n-butylphthalate, fluoranthene, fluorene, naphthalene, phenanthrene, and pyrene. While bis(2-ethylhexyl)-phthalate and di-n-butylphthalate have been estimated and/or detected in groundwater samples over the past five quarters, several lines of evidence suggest that this occurrence is an artifact due to certain laboratory or field procedures:

    - Neither of these phthalates had been detected in groundwater samples prior to November 2003;

- The widespread nature of the phthalate estimates/detections is counter to the observed distribution of other contaminants at the Site (i.e., other SVOCs are estimated/detected in specific wells/areas only); and,
- The phthalate estimate/detection is usually associated with a laboratory method blank detection of the same compound (phthalates are a common laboratory contaminant per the Region 1 EPA Contract Laboratory Program National Functional Guidelines).

Actual SVOC detections above the laboratory's PQLs are limited to only a few wells and compounds:

- Benzo(b)fluoranthene was detected at MW-06 in November 2004 at a concentration of 0.63 µg/L. Prior to this sampling event, this compound had not been detected;
- Acenaphthylene was detected at MW-28 in August 2004 at a concentration of 5.2 µg/L. Prior to and following this event, this compound was either estimated or not detected at concentrations ranging from 0.070 to 5 µg/L; and,
- Benzo(b)fluoranthene and benzo(k)fluoranthene were detected at MW-35D in November 2003 at concentrations of 0.22 and 0.090 µg/L, respectively. For the following three quarters, both benzo(b)fluoranthene and benzo(k)fluoranthene have remained below their respective detection limits of 0.076 and 0.054 µg/L.

With the exception of the phthalates discussed above, no other SVOCs were detected in the bedrock wells (MW-24BR, MW-29BR, MW-30BR, and MW-31BR), suggesting that the SVOC distribution is limited to the unconsolidated saturated zone.

- <u>TPH</u>

  TPH were detected in groundwater at least once in 17 of the 41 monitoring wells sampled since November 2003 (**Table 17**). The three highest concentrations, 0.76 mg/L, 1.00 mg/L, and 0.58 mg/L, were observed at MW-01, MW-03, and MW-28, respectively.

TPH was not detected in any of the bedrock monitoring wells suggesting that the TPH distribution is limited to the unconsolidated saturated zone.

- Metals

  Of the 16 metals monitored in groundwater since November 2003 (**Table 18**), barium, boron, and zinc are the most prevalent, with detectable concentrations at each of the monitoring wells. Barium was detected during each event at each well, at concentrations ranging from 0.019 to 0.48 mg/L. Boron and zinc were detected at concentrations up to 0.63 and 0.24 mg/L, respectively.

  Detectable concentrations of the other metals presented on **Table 18** are largely confined to a few wells:

  - Aside from an estimated laboratory result or an infrequent detection, copper detections are limited to MW-03 (maximum concentration of 0.12 mg/L);
  - Arsenic was consistently detected at three monitoring wells, MW-02, MW-03, and MW-32, at concentrations up to 0.034 mg/L (MW-03); and,
  - Chromium was consistently detected at four monitoring wells, MW-03, MW-20, MW23S, and MW-32, at concentrations up to 2.95 mg/L (MW-32).

Four additional quarters of groundwater monitoring events (November 2004, and February, May, and August 2005) were completed to confirm the presence/absence of antimony and thallium anomalously detected in Site groundwater between November 2003 and August 2004. Samples were collected from 19 monitoring wells for the analysis of antimony. Samples were collected from 11 monitoring wells for the analysis of thallium. The results indicated that antimony and thallium are not of concern in Site groundwater (see Section 5.4.2.1 for further discussion). The remaining metals analyzed, beryllium, cadmium, lead, mercury, nickel, selenium, silver, and vanadium, were detected sporadically, at estimated concentrations, or below detection limits.

3.3.2.3 Summary of Groundwater Evaluation

A summary of the groundwater sampling performed at the Site by previous consultants and XDD is presented below. The summary highlights major COCs that were detected as well as trends

that were observed from the different sampling events. For complete groundwater results refer to **Tables 13 through 18**. For a detailed graphical representation of the data see **Figures 13 through 16**.

Results of the VOC sampling performed at the Site over the past decade show generally consistent results. In most cases, concentrations appear to be fluctuating with the exception of a few sampling locations which exhibit decreasing concentration trends: MW-09, MW-10, and MW-18S. Monitoring wells that show elevated levels of VOCs for current and historical sampling rounds include: MW-03, MW-04, MW-09, MW-10, MW-14, MW-16, MW-18S, MW-19, MW-21, MW-23D, MW-23S, MW-27D, MW-27S, MW-28, MW-32, MW-33, MW-34, and MW-35D. See **Figure 13** for a detailed graphical representation of the VOC data.

SVOC sampling performed at the Site over the past decade show that only a small number of constituents have been detected in the groundwater. See **Figure 14** for a detailed graphical representation of the SVOC data.

Only three monitoring wells show consistently elevated TPH concentrations: MW-01, MW-03, and MW-28 had maximum concentrations over the four monitoring quarters of 0.76 mg/L, 1.00 mg/L, and 0.58 mg/L, respectively. See **Figure 15** for a detailed graphical representation of the TPH data.

A review of the metals analysis suggests that a majority of the sampling locations are not indicative of a source area for the selected COCs. Of the 16 metals monitored in groundwater since November 2003 (**Table 18**), barium, boron, and zinc are the most prevalent, with detectable concentrations at each of the monitoring wells. Detectable concentrations of the other metals presented on **Table 18** are largely confined to only a few wells: copper at MW-03, arsenic at MW-02, MW-03, and MW-32, and chromium at MW-03, MW-20, MW-23S, and MW-32. See **Figure 16** for a detailed graphical representation of the metals data.

3.3.3 DENSE NON-AQUEOUS PHASE LIQUID EVALUATION SUMMARY

The Final Site Investigations Report by LEA, dated May 1, 1998, did not reveal any direct evidence of dense non-aqueous phase liquid (DNAPL) impacts to soil or groundwater at the Site, although it stated that "residual DNAPL may be located in the areas where the highest concentrations of VOCs are present in soil and groundwater."

The two areas identified as having possible DNAPL impacts to soil and groundwater are near PCSA-4 and PCSA-8. In January 1997, Geoprobe® screenpoint sampling was conducted at five locations in PCSA-8 (SB8-1, SB8-4, SB8-6, SB8-8, and SB8-9) to assess the potential that chlorinated solvents exist as a separate phase in the subsurface in this area. Results did not indicate the presence of any DNAPL in this area.

The highest groundwater concentrations for both PCE and TCE are located at MW-03 (PCSA-4) and MW-04 (PCSA-8). Historically, PCE has never exceeded 5 μg/L at MW-03, which is five orders of magnitude lower than the solubility of PCE in water (1.5×10^5 μg/L). Also, TCE reached a maximum historical groundwater concentration of 210 μg/L at MW-03, which is four orders of magnitude lower than the solubility of TCE in water (1.1×10^6 μg/L). At MW-04, PCE has never been detected above the minimum detection limits (maximum of 5 μg/L) and TCE reached a maximum historical concentration of 930 μg/L. The groundwater monitoring data suggests that the presence of DNAPL in the vicinity of MW-03 and MW-04 is unlikely.

The soil data also do not support the presence of residual or mobile DNAPL. The highest measured soils concentrations for PCE and TCE were 1,300 μg/kg and 34,000 μg/kg, respectively. Therefore, based on the Site data, it is reasonable to assume that no DNAPL exists at the Site.

3.3.4 SOIL GAS EVALUATION SUMMARY

During the initial Site investigation work, a soil gas survey was conducted at a total of 78 locations from October 1996 through January 1997. Subsequently, in June 2000 EPA Region 1

conducted an additional soil gas survey. The following subsections provide a summary of the surveys and their results.

3.3.4.1 LEA Soil Gas Sampling

From October 1996 to January 1997, the soil gas survey was conducted during two separate sampling events. The first event included installation and sampling of a total of 68 vapor probes on the Site, while the second event included installation and sampling of an additional ten vapor probes on the strip mall property (Lot 8A). This soil gas survey work was presented in the Site Investigation Report dated February 10, 1997 and summarized in the Final Site Investigation Report dated May 1, 1998. Soil gas samples were collected in accordance with the LEA Standard Operating Procedure (SOP) entitled "Standard Operating Procedure for Soil Vapor Surveying," and were submitted to the mobile analytical laboratory for the analysis of target VOCs.

A grid pattern across the Site, including the strip mall property, was used to select a total of 78 soil gas sampling locations (**Figure 6**). Vertical profiling was completed at 17 of the 78 sampling locations to determine the ideal soil gas sampling elevations for the study. The vertical profiling consisted of collecting samples at two-foot increments to a depth of 8 ft BGS, until the groundwater table was reached or refusal was encountered, whichever came first. The incremental samples were analyzed and a target depth for that area was determined. Results of the vertical profiling indicated that the remaining soil gas samples located on the Site were to be collected at two different target depths based on their location in the sampling grid. The samples located in the northern and northwest portion of the sampling grid were to be completed at a target depth of 2 ft BGS while the ones on the southern portion of the grid were to be collected at a target depth of 5 to 6 ft BGS. During the second soil gas sampling event on the strip mall property, a single soil gas sample was collected from each of the grid locations at depths ranging from 2 to 6 ft BGS.

The results of the LEA investigation indicated the presence of TCE, 1,1,1-TCA, ethylbenzene, and xylenes in the soil gas at the Site (refer to **Table 19**). Of the four compounds, TCE was the most commonly detected constituent, and was observed in the northern, western, and southern

portions of the Site. Elevated TCE concentrations were detected at two sampling locations, SG-15 and SG-16 at concentrations of 56,000 and 52,000 micrograms per cubic meter ($\mu g/m^3$), respectively. As shown in **Table 19**, TCE concentrations in soil gas at these locations exceed the applicable criteria. However, these areas will be addressed as part of the soil remediation (Section 6.0). No other exceedances were observed. A TCE soil gas concentration contour map is presented in **Figure 6**.

3.3.4.2 EPA Soil Gas Sampling

EPA Region 1, Office of Environmental Measurement and Evaluation (OEME), conducted a soil gas survey on June 8, 2000 at the Site to assess for VOCs in the soil vapor. Prior to the soil gas sampling event, an investigation was performed on the interior of the former condominium complex to assess for possible migratory pathways for VOCs to enter the indoor living spaces. During this assessment, no points of entry for VOC gas migration were detected; therefore, an indoor air sampling event was not conducted.

A total of 16 soil gas sampling points were advanced at the Site by EPA Region 1 to characterize the presence of VOCs within the soil pore spaces surrounding the former condominium complex. Preliminary analysis of the soil gas samples was performed on-Site. Samples that revealed the highest concentrations of VOCs in soil vapor were re-sampled and brought back to the EPA's laboratory for additional analysis. In addition to the sampling locations surrounding the former condominium, a background "ambient air" sample was collected over an eight-hour exposure period from an open grassy area located approximately 144 feet south of the garage building and 21 feet east of Brookside Drive. The results of the soil vapor samples and the background sample are shown in **Table 20**.

The on-Site analysis by the mobile laboratory identified detections of TCE (from 3.9 to 136 parts per billion by volume [ppbv]), 1,1,1-TCA (from 6.3 to 461 ppbv), and PCE (from 2.2 to 7.9 ppbv). The highest soil gas concentrations were observed along the western side of the condominium building and there were no compounds detected in the eight-hour ambient air sample. Five samples were analyzed by the EPA laboratory and results generally correlated well with the mobile laboratory data (**Table 20**).

3.3.5 SEDIMENT EVALUATION SUMMARY

Broad Brook is located along the northern and western boundary of the Site. The flow along this stretch of Broad Brook originates from Mill Pond, which is located to the northeast of the Site. Flow in the brook is westerly and southerly along the northern and western boundaries of the Site, respectively.

In discussions with the EPA, CTDEP, and the Natural Resource Trustees (NRTs), three areas with potential sediment impacts were identified: 1) the Mill Pond, 2) the area between SD-19 and SD-21 at the northwestern bend in Broad Brook, and 3) the area near SD-15 (downstream of a small dam, and concrete outfall pipe, located on the western Site boundary). Refer to **Figure 7** for the locations of these areas.

The contaminant profile of the sediment samples taken from both the brook and Mill Pond are similar, and are characteristic of the types of contaminants found in typical urban-area runoff[1]. The types of SVOCs and TPH compounds found in the brook and pond are typical of water bodies near roadways and urban areas.

A discussion of the sediment sampling results from the brook and Mill Pond is provided in the following sections.

Sediment Sampling: As documented in the Final Site Investigation Report dated May 1, 1998, a total of 15 sediment samples were collected at 12 locations (SGP-1 through SGP-5, USD-1, and SD-6 through SD-11) during the initial and supplemental investigations (November 1996 through February 1998). Refer to **Figure 7** for sampling locations.

An additional sediment sampling event was conducted in July 2002 to further delineate COCs observed in the sediments. LEA collected samples from an additional 11 locations in Broad

[1] Lopes, T.J., Dionne, S.G., 1998, *A review of semivolatile and volatile organic compounds in highway runoff and urban stormwater*: U.S. Geological Survey Open File Report 98-409, 67 p

Brook (SD-12 through SD-22) and three from the eastern side of the dam in Mill Pond (POND-1 through POND-3) at depths ranging from 0 to 6 inches BGS and 6 to 12 inches BGS.

Sampling Results: Tables 21 through 24 provide sediment analytical results for VOCs, SVOCs, TPH, and selected metals, respectively. During the two investigative events, TPH and SVOCs were detected in seven sediment samples collected from six locations (SD-6, SD-10, SD-11, SGP-2, SGP-3, and SGP-5). Metals including arsenic, barium, boron, cadmium, chromium, copper, lead, nickel, and zinc were also detected in the sediment samples. VOCs were not present in the Broad Brook sediments (refer to **Table 21**); therefore, VOCs were not analyzed during the supplemental investigation.

Based on the sampling results, SVOCs were identified as the potential COC for sediments in the Mill Pond and Broad Brook. As shown in **Table 22**, total SVOC concentrations in the brook sediments generally ranged from non-detect up to 30,108 µg/kg (at SD-19), with the exception of a single outlier maximum concentration of 154,418 µg/kg at SD-15. Samples obtained from the Mill Pond exhibited total SVOC concentrations ranging from non-detect up to 40,309 µg/kg. With the exception of the one sample location in the brook (SD-15 at 6 to 12 inches BGS), the total SVOCs concentrations in the brook are similar to, or lower than, the total SVOC concentrations in the Mill Pond.

Comparison of Mill Pond and Broad Brook Sediments: The SVOC concentrations detected in the brook are likely to be related in part to release of sediments from the Mill Pond dam (located upstream of the Site). The sediment release mechanisms from the Mill Pond to the brook are discussed in detail in Section 4.5.6.

The types of individual SVOC compounds, and the range of concentrations of these compounds, are similar within both the brook and Mill Pond sediments (with the exception of sample location SD-15). During the 2003 LEA investigation, the chromatographic "fingerprint" of SVOCs detected in the Broad Brook sediments was compared to the Mill Pond sediments. The chromatographs for the Broad Brook and Mill Pond sediment samples exhibited the same or very

similar patterns. These observations suggest that the source of the SVOCs in both water bodies are the same, and that the source is likely related to typical urban-area surface water runoff.

The two areas of highest SVOCs concentrations in the Broad Brook (SD-15 and SD-19), are compared to the Mill Pond sediments below:

- SD-15 Area: Sediment sample SD-15, located downstream of the small dam and concrete outfall pipe on the western property boundary (see **Figure 7**), is the only sample from the brook with SVOCs concentrations that are significantly elevated relative to the Mill Pond sediment samples (i.e., total SVOCs of 154,418 µg/kg). It is suspected that part of the sediment impact in this area may be related to the concrete outfall pipe that discharges at this location. This concrete outfall pipe has been confirmed to be connected to the Mill Pond dam sluiceway (discussed in Section 4.5.6). However, because the sediment concentrations in this area are the most elevated, this area will be included in the remedial activities proposed for the Site (refer to Section 8.0).

- SD-19 Area: A comparison of contaminant concentrations at SD-19 (see **Figure 7**) and the Mill Pond samples collected at the same depth (i.e., 0 to 6 inches BGS) indicate that:

    - Benzo(a)anthracene at SD-19 was 2,590 µg/kg while samples collected from Pond-2 and Pond-3 were 2,320 µg/kg and 3,270 µg/kg, respectively;
    - Benzo(b)fluoranthene at SD-19 was 2,410 µg/kg while samples collected from Pond-2 and Pond-3 were 2,380 µg/kg and 3,430 µg/kg, respectively;
    - Chrysene at SD-19 was 3,440 µg/kg while samples collected from Pond-2 and Pond-3 were 3,010 µg/kg and 4,230 µg/kg, respectively;
    - Fluoranthene at SD-19 was 5,280 µg/kg while samples collected from Pond-2 and Pond-3 were 3,800 µg/kg and 5,700 µg/kg, respectively; and,
    - Total SVOCs at SD-19 were 30,108 µg/kg while samples collected from Pond-2 and Pond-3 were 24,407 µg/kg and 36,425 µg/kg, respectively.

Since sediment concentrations at SD-19 are similar to the sediment concentrations in the Mill Pond, it is suspected that impacts in this area of the brook are related to sediment releases from the Mill Pond dam. Note that the brook is shallow and rapid flowing immediately downstream of the Mill Pond dam (i.e., behind the Former Condominium Building). Under the rapid flow conditions, suspended sediment particles are more likely to be carried further downstream.

Further downstream, the brook appears to become deeper and slower flowing, approaching the bend in the brook (i.e., approaching SD-21, and then further downstream approaching SD-19). It is likely that suspended sediments would begin to settle out in this slower flow region of the brook. This change in the flow velocity in the brook may explain the relatively higher sediment concentrations that have been detected in the SD-19 to SD-21 portion of the brook.

3.3.6 SURFACE WATER EVALUATION SUMMARY

During the initial Site investigation work in February 1997, a total of six surface water samples (SGP-1 through SGP-5 and USD-1) were collected for laboratory analysis of VOCs, SVOCs, TPH, and metals (refer to **Figure 7** for locations). Barium was the only analyte detected at concentrations above laboratory detection limits in each of the six surface water samples (refer to **Tables 25 through 28** for surface water analytical results for VOCs, SVOCs, TPH, and selected metals, respectively). The analytes including VOCs, SVOCs, TPH, and other target metals were not present at detectable concentrations in the surface water samples. However, the detection limit for copper was elevated. As noted in the Final Site Investigation Report dated May 1, 1998, a total of five surface water samples were collected during the supplemental investigations to confirm that copper was not present at concentrations of concern. These five samples were analyzed for copper by graphite furnace atomic absorption (GFAA) methodologies. Copper was not detected in the five samples at the analyzed detection limits.

3.4 SUMMARY OF HYDROGEOLOGICAL ASSESSMENT

As summarized in the Final Site Investigations Report (May 1, 1998), a series of investigations, consisting of soil borings and groundwater monitoring well installations, were implemented at

the Site. During these LEA investigations a total of 277 soil delineation borings, 42 groundwater monitoring wells, two piezometers, and nine stream stage monitoring points were installed (shown on **Figures 4, 5, and 7**). As a result of these investigations, hydrogeologic conditions at the Site have been defined.

3.4.1 SITE SETTING

The Site is located in the Scantic River Valley portion of the Upper Connecticut River Regional Basin. The Scantic River, draining portions of central Connecticut and west-central Massachusetts, discharges into the Connecticut River approximately five miles southwest of the Site. The Connecticut River ultimately discharges into Long Island Sound.

The Site is located on Broad Brook, approximately 0.5 miles northeast of the point where Broad Brook flows into the Scantic River. Broad Brook flows along the northern and western boundaries of the Site. Flow in Broad Brook in the vicinity of the Site is controlled by two dams: one located northeast of the Site that controls flow from Mill Pond, also northeast of the Site, and one located directly west of the former manufacturing area (as shown in **Figure 3**).

The valleys through which both the Scantic River and Broad Brook flow in the vicinity of the Site are fairly deeply incised due to the nature of the unconsolidated deposits in the area. Surface elevations range from approximately 50 to 60 feet above mean sea level (ft msl) along the Broad Brook valley floor, to approximately 95 feet along Main Street east of the Site (less than 500 feet east of the river), and approximately 100 ft msl along the terrace on the western portion of the Site (400 feet west of the river).

3.4.2 REGIONAL GEOLOGICAL INFORMATION

3.4.2.1 Surficial Geology

The following description of the regional geologic and hydrogeologic setting was adapted from various sources, including Hubert et al., (1978), Colton (1965), Ryder (1972), and Hyde and Colton (1973).

The surficial geology of the region developed primarily as a result of the movement of two or more glacial (Illinoisan and Wisconsinan) advances through the area during the last 100,000 years (Pleistocene Era), with subsequent reworking of the Pleistocene sediments. Unconsolidated materials in the broad region of the Connecticut River Valley between the river itself and the hills located just over five miles to the east, are predominantly stratified sands, gravels, silts, and clays of glaciofluvial or glaciolacustrine origin. These materials were either laid down in the large pro-glacial lake (glacial Lake Hitchcock) that existed in the area for an extended period during deglaciation of the region (glaciolacustrine sediments), or were originally deposited from streams and rivers generated from glacial meltwater either before, during, or after the existence of Glacial Lake Hitchcock (glaciofluvial sediments).

Following deglaciation, many of these deposits were reworked into sand and gravel terraces deposited across the broad valley during a wetter climate that existed shortly after deglaciation. Later, as the climate became drier, these broad sandy plains (on which little vegetation had yet developed) were blown about by relatively strong, consistent winds to form sand dunes in many areas across the valley.

Underlying the glaciofluvial and glaciolacustrine materials across much of the Connecticut Valley region are deposits of glacial till, which typically consists of two types: the upper unit and the lower unit. The upper unit has a massive structure and is comprised primarily of sand, gravels, and occasional boulders. The lower unit is finer grained, crudely stratified, and has a blocky structure. The origin of the two distinct tills has generally been interpreted as deposition beneath the glacial ice (lower unit) and deposition from within and above the glacier during melting (upper unit). In various locations across the region, one or both of these tills have been found to extend under the extensive glaciofluvial and glaciolacustrine deposits and mantle the bedrock surface across much of Connecticut Valley.

Numerous drumlins (ellipsoidal hills composed primarily of till that may or may not be intruded by bedrock) have been noted throughout the region. These drumlins are predominantly elongated in a north-south direction, reflective of the general direction of glacial movement through this portion of the valley.

The thickness of the unconsolidated materials across the valley ranges from approximately 100 to 250 feet through a broad, deep valley cut into the bedrock to the west of the Site (between the Scantic and Connecticut Rivers), to 10 to 50 feet both east of the Site and in the immediate vicinity of the Connecticut River. The thickness of the deposits appears to be generally related to the topography of the bedrock surface.

3.4.2.2 Bedrock Geology

The bedrock in the region consists of the Portland Formation, one of the rock units comprising the Hartford Basin. These rocks are part of the Newark Super-group of sedimentary and volcanic rocks of Triassic-Jurassic Age (approximately 200 million years before present). The Portland Formation consists of reddish brown and grey arkosic siltstones, sandstones, and inter-bedded volcanic layers originally deposited in the rift valley sequence associated with the Hartford Basin.

With the exception of two small outcrops located directly north and south of the Site, very few outcrops of bedrock are exposed within several miles of the Site due to the extensive covering of glaciofluvial and glaciolacustrine deposits in this portion of the Connecticut River valley. Although few outcrops are visible, the Portland Formation is known to be laterally extensive throughout the valley, having a generally consistent, approximate north/south trend and southeasterly dip.

Because of the limited number of outcrops in the area, no faults have been mapped in the Portland Arkose in the general vicinity of the Site. However, the Eastern Border Fault, which separates the sedimentary rocks of the Hartford Basin from the crystalline bedrock highlands to the east, is located approximately five miles east of the Site, and numerous smaller faults have been mapped in the Portland Arkose and other rocks of the Hartford Basin in areas with greater exposures of those rocks. These faults generally trend north-south, with several antithetic (east-west trending) faults also observed.

3.4.2.3 Regional Groundwater Flow

The glaciofluvial and glaciolacustrine deposits, as well as the underlying bedrock in the valley, contain significant quantities of groundwater. The regional flow direction of groundwater, particularly deeper groundwater, within the vertically and horizontally extensive glaciofluvial and glaciolacustrine silts, sands, and gravels, is generally to the south, down the Connecticut River valley. Locally, and in the shallower groundwater, however, the flow direction is controlled to a greater extent by the topography of the land surface and various anthropogenic features. Groundwater yield and flow direction within the bedrock is most probably affected by the density, porosity, permeability, and orientation of fractures and weathered zones within the rock and the relative relationship of areas of recharge to discharge locations.

3.4.3 SITE GEOLOGY

LEA used the data obtained from on-Site soil borings and monitoring wells to develop the interpretation of the Site geology, as shown on **Figure 17**. Copies of the boring logs and monitoring well construction logs generated during LEA's initial Site characterization and supplemental investigations were provided in **Appendices B, C, and D** of the Final Site Investigation Report.

The available information indicates that the unconsolidated deposits across the portion of the Site east of Broad Brook consist predominantly of varying amounts of artificial fill overlying glacial till. Although till is the dominant natural deposit at the Site, a small amount of what may be naturally deposited silt and fine sand were noted during Site investigations. Industrialization of the Site over the last 150+ years has significantly altered much of the original unconsolidated material and it is unlikely that much, if any, natural soil remains in the upper 3 feet of the study area. An organic-rich silt and fine sand layer has been observed primarily on the western and northwestern portion of the Site and this layer lies directly beneath the layer of artificial fill. The artificial fill over the Site was generally described as brown to reddish brown, fine to coarse grained sand with lesser amounts of silt and gravel and with varying amounts of brick, asphalt, coal, glass, charcoal, and other coal combustion byproducts (ash, cinders, and slag fragments).

Available documentation indicates that numerous regrading activities at the Site have been completed. In May and June 1928, the hill on the lot south of the mill yard was graded down level and a road was constructed from Mill Street to the southwest yard. In 1945, a general regrading project in the western portion of the Site was completed. The regrading project resulted in the relocation of a portion of Broad Brook to its current location. Then, in 1954, HSC relocated a portion of Broad Brook at the southwest corner of the Site to expand parking capacity. This resulted in the current configuration of Broad Brook at the Site.

3.4.4 SITE HYDROGEOLOGY

The hydrogeologic information obtained from soil borings and monitoring well installations indicates that each, or portions of each, stratigraphic horizon described in Section 3.4.2 are saturated over most of the Site. However, on the eastern edge of the Site, the ground surface rises steeply, and the water table drops below the unconsolidated materials during at least a portion of the year. Generally, fill is dispersed throughout the Site at varying thicknesses and may locally influence shallow groundwater storage and flow parameters.

The groundwater underlying the Site is classified as GA by the CTDEP. This classification is given to areas where the groundwater is presumed suitable for human consumption without the need for treatment. The GA classification means that the State of Connecticut's goal is to maintain or restore groundwater to its natural quality.

Beginning in November 2003, XDD implemented quarterly groundwater sampling at the Site. During the quarterly monitoring events groundwater elevation gauging was conducted at the Site's wells (42 monitoring wells and two piezometers). Depth to groundwater was measured from the top of the well casing using a water level indicator, and then converted to ft msl using the well survey data. Survey data for existing monitoring wells was obtained from previous LEA work. On November 14, 2003, Pudeler Engineering of South Windsor, Connecticut (registered land surveyor, State of Connecticut No. 9653) surveyed the installed monitoring wells and piezometers.

The groundwater elevation gauging data is presented in **Table 29**. During the quarterly groundwater monitoring events from November 2003 to August 2004, groundwater elevations at the Site wells varied from 52.40 to 68.72 ft msl. Based on this data, groundwater contour maps for the shallow zone of the overburden aquifer were developed for the November 2003 through August 2004 quarterly events (refer to **Figures 18 through 21**). Groundwater contour maps for the November 2004 through August 2005 events were not developed as they did not include elevation gauging at a sufficient number of monitoring wells. The groundwater contours maps indicate groundwater flow predominantly in the westerly direction, consistent with historic data collected by LEA. As expected, groundwater mounding is observed near the upstream side of the dam on Broad Brook, and a significant drop in groundwater elevation is observed near the downstream side of the dam.

3.4.4.1 Hydraulic Gradients

Hydraulic gradients across the Site were calculated from the groundwater contour maps. The horizontal hydraulic gradient for the southeastern and southern portion of the Site were determined to be approximately 0.025 to 0.03 feet per foot. For the northeastern portion of the Site, the horizontal hydraulic gradient was calculated to be approximately 0.04 to 0.05 feet per foot, and may vary based on local recharge conditions and seasonal fluctuations in both surface water and groundwater elevations.

The horizontal hydraulic gradient calculated from the groundwater contour map of the potentiometric surface in the deeper zone of the overburden aquifer was 0.025 feet per foot. As calculated from the contour map of the potentiometric surface measured in the bedrock monitoring wells, the hydraulic gradient in that portion of the bedrock aquifer is 0.05 feet per foot.

Water level elevation data from shallow and deep well clusters at a total of six locations (MW-11S/D, MW-13S/D, MW-17S/D, MW-18S/D, MW-23S/D, and MW-27S/D) were used to calculate vertical hydraulic gradients. Based on water levels collected on February 24, 1998, March 13, 1998, and November 18, 2003, vertical hydraulic gradients at the Site were calculated to range from an upward gradient of 0.143 feet per foot at well cluster MW-11S/D in February

1998 to a downward vertical gradient of -0.271 feet per foot (also in February 1998) at cluster MW-23S/D. The only upward gradient within the overburden aquifer was observed at well cluster MW-11S/D; all other vertical gradients in the overburden aquifer were downward.

Two bedrock monitoring wells installed in the general vicinity of overburden monitoring wells provide a general indication of vertical hydraulic gradients between the bedrock and overburden aquifers. Well MW-24BR is located less than 20 feet from the MW-13S/D cluster, and well MW-31BR is located less than 30 feet from the MW-23S/D cluster and approximately 10 feet from well MW-03. At these locations, vertical hydraulic gradients between the bedrock and deep zone of the overburden aquifer were observed to be upward of 0.379 and 0.105 feet per foot, respectively, indicating flow potential from the bedrock to the overburden aquifer.

3.4.4.2 Hydraulic Conductivity

Hydraulic conductivity is a measure of the ability of groundwater to flow through aquifer materials. Typical values for hydraulic conductivity can range from greater than 1×10^{1} centimeters per second (cm/sec) in coarser grained glaciofluvial sands and gravels, to less than 1×10^{-6} cm/sec in glaciolacustrine silts and clays or tills (Freeze and Cherry, 1979).

Hydraulic conductivity testing conducted at the Site consisted of “slug/bail testing”, in which the water level within a well is measured at selected intervals following the instantaneous addition or withdrawal of water from the well. Each of the tests were conducted as “bail tests”, in which a volume of water is quickly removed from the monitoring well, and the recovery of water levels within the well are recorded as a function of time.

Bail tests were performed at a total of six wells at the Site. Well selection was based on the types of contaminants identified at each location, the location of the wells within various areas of the Site, the stratigraphic horizon in which the well is screened, and the relationship of the well to adjacent groundwater monitoring wells. The six monitoring wells at which bail tests were performed were: MW-18S, MW-18D, MW-19, MW-23S, MW-23D, and MW-24BR.

Water levels were recorded using electronic data loggers in order to permit collection of data at very frequent time increments. The drawdown versus time graphs created from the data retrieved from the datalogger are presented in Appendix I of the Final Site Investigations Report (May 1, 1998).

The results of the aquifer testing indicate the hydraulic conductivity in the shallow portion of the overburden aquifer, as estimated from wells MW-18S, MW-19, and MW-23S, ranges from approximately 10 to 25 feet/day (3.5×10^{-3} to 8.8×10^{-3} cm/sec). Hydraulic conductivity in the deeper portion of the overburden aquifer, estimated from wells MW-18D and MW-23D, ranges from approximately 0.012 to 0.36 feet/day (4.2×10^{-6} to 1.3×10^{-4} cm/sec). These calculated hydraulic conductivities are consistent with published hydraulic conductivity values for the respective materials in which the wells are screened.

As part of the investigation activities conducted during the Initial Site Characterization Investigation, grain-size analyses were conducted by LEA Materials Testing Laboratory on selected soil samples from the intervals in which the monitoring wells were screened. Results of these laboratory analyses, including grain-size distribution curves were included in the Site Investigations Report (February 10, 1997). Generally, hydraulic conductivities based on the grain size distributions in the saturated material were in the range of 1×10^{-3} to 1×10^{-4} cm/sec. In some zones, hydraulic conductivities may be as low as 1×10^{-5} to 1×10^{-6} cm/sec. These values are consistent with those determined during the in-situ bail test discussed above.

3.4.5 SURFACE WATER BODIES

The two surface water bodies that directly impact the Site hydraulics are Broad Brook and Mill Pond. Broad Brook is currently located along the northern and western boundaries of the Site. Broad Brook originally passed through the eastern portion of the Site but it was diverted to the western portion and reconfigured at least two more times (**Figure 8**). Mill pond was created in the mid-1900s by the damming of Broad Brook to the east of Main Street.

Discharge volumes in Broad Brook were computed from the surveyed cross-sectional area and velocity profiles of the brook. From the data collected on November 7, 1996, the computed

discharge in Broad Brook at an upstream measurement location (between the off-Site dam to the northeast of the Site and the on-Site dam) was approximately 16 cubic feet per second (CFS), and the discharge at the downstream measurement location, which was located approximately 130 feet downstream of the on-Site dam, was approximately 20 CFS.

The surface water quality of Broad Brook is designated as class "B/A" by the CTDEP "Environmental Geographical Information Systems (GIS) Data for Connecticut 2003 Edition". This designation indicates the river is currently not meeting class "A" water quality criteria (WQC) for one or more uses. However, the State of Connecticut's long-term goal is attainment of class "A" water quality by instituting and enforcing policies that allow for the upgrade in classification. Class "B" surface waters are suitable for recreational use, fish and wildlife habitat, agricultural and industrial water supply sources, and other legitimate uses, including navigation.

The surface water classification of the Scantic River is designated class "B" by the CTDEP. This designation indicates that the river is known or presumed to meet the criteria for the designated uses. Designated uses of the class "B" surface waters were identified in the preceding paragraph. The goal of the CTDEP is to institute and enforce policies that would maintain the existing classification of the Scantic River.

3.4.6 GROUNDWATER – SURFACE WATER INTERACTION EVALUATION

To evaluate the hydraulic relationship between Site groundwater and the surface waters of Broad Brook, surface water/groundwater interaction studies were performed. Two separate studies were conducted at the Site. The first of the two studies was performed by LEA during the time period from November 1996 to March 1998. The second study was performed by XDD from November 2003 to November 2004. In both studies surface water elevations were recorded and compared to the water elevations in corresponding monitoring wells and/or piezometers. In addition to these activities, LEA performed a stream cross-section measurement as well as calculating in-water velocities of the stream (discussed in the 1997 Site Investigations Report by LEA). The results of the surface water/groundwater interaction studies performed by both organizations are discussed in this section.

Surface water/groundwater interactions were evaluated by LEA based on the surface water and water-table elevation measurements made at five stream gauging points (SGP-1 through SGP-5) on November 18, 1996 and January 7, 1997, and on February 24 and March 13, 1998. The results of these studies show that, with the exception of SGP-5 (the one gauging point located downstream of the dam), the elevation of surface water is higher than the elevation of the groundwater, indicating that Broad Brook is recharging the groundwater in these areas (refer to **Figure 7**). At gauging point SGP-5 the water-table elevation is approximately 1.91 feet higher than the surface water elevation of Broad Brook, indicating the opposite is happening downstream of the dam and the groundwater is recharging into Broad Brook. These results were detailed in the Final Site Investigations Report.

It was assumed that at some point between SGP-4 and SGP-5 groundwater no longer would be discharging to the stream. Using information from a GPR survey conducted at the approximate time of the gauging, the deviation in the groundwater recharging trend was due to a potential stream channel formerly existing in the approximate area of SGP-5. However, this trend does not affect the assumed groundwater flow direction. LEA concluded that the dam located along Broad Brook was causing a surface water mound that extended as far back as SGP-1. Due to this mound, surface water was recharging the groundwater and forcing the flow of the groundwater to move in a southern and southeastern direction towards the potential former stream channel (**Figure 8**). Additional surface water/groundwater gauging events were conducted by LEA on February 24 and March 13, 1998 during the supplemental investigations. The results from these investigations were consistent with that of the investigation performed in November 1996 and January 1997.

XDD performed additional monthly gauging events at the Site to determine the relationship between the surface water and groundwater elevations adjacent to Broad Brook. Stream gauges (SGX-1 through SGX-9, refer to **Figure 18** for locations and **Table 30** for installation details) were installed in Broad Brook to gauge the elevations of the surface water. Monitoring wells located in the general vicinity of the stream gauges were used as the measurement point for corresponding groundwater elevations. To measure corresponding groundwater elevations for

stream gauges SGX-4 and SGX-5, piezometers PZ-1 and PZ-2, respectively, were installed. Monthly gauging events were conducted from November 2003 to November 2004 to detect any variation in the elevations due to possible seasonal fluctuations. **Table 31** provides the elevation data for the stream gauge locations and **Table 32** is a comparative table which presents both the surface water elevations and the groundwater elevations. In addition, **Figure 22** indicates the change in water elevation over time with respect to the stream gauges SGX-1 through SGX-9.

As indicated in **Figure 22**, the monthly surface water and groundwater interaction measurements collected by XDD are consistent with LEA's previous analysis. A majority of measurements (66 of 78) collected from above the dam indicate that Broad Brook is a "losing" stream; therefore, recharging groundwater flows to the southeast, around the dam. Surface water and groundwater interaction measurements from the three measurement locations below the dam indicate that Broad Brook is a "gaining" stream; therefore, groundwater discharges into the brook.

Gauging results show that the difference in surface water to groundwater elevation for the upstream section of the brook to be in the range of 0.0 to 4.28 feet with the largest observed difference occurring at the SGX-6/MW-23 pair, directly above the dam. Gauging results show that the difference in surface water to groundwater elevation for the downstream section of the brook to be in the range of 1.9 to 3.9 feet with the largest observed difference occurring at the SGX-7/MW-22 pair, the first downstream location from the dam.

3.5 INTERIM REMEDIAL ACTIVITIES

Three interim remedial activities have been conducted at the Site. The first, conducted by the CTDEP, was the removal of mercury impacted soils to the north of the former boiler building. Mercury impacts above the cleanup criteria were excavated and removed. The second, a voluntary removal action conducted under the direct supervision of the EPA, involved abatement of SVOC impacts to surface soils near the former Millbrook Condominiums above the cleanup criteria, and the removal of asbestos-containing materials from the former boiler building. The most recent interim remedial activity was the December 2006 excavation performed at three soil exceedance areas extending into Lot 8A (Strip Mall).

3.5.1 MERCURY REMEDIATION ACTIVITY

An elevated concentration of mercury (372 mg/kg) was detected at a location (SS-6) north of the boiler building on the former Millbrook Condominiums property during sampling performed in December 1997. The residential cleanup criterion for mercury in soil is 20 mg/kg. Supplemental sampling was performed in January 1998 to further delineate the extent of the mercury contamination surrounding the SS-6 location (refer to **Figure 4**). One additional location (SS-6-5), approximately 10 feet to the north of SS-6, was found to exceed the cleanup criterion at 20.8 mg/kg.

Contaminated soils were excavated from the Site by CTDEP in 1998. Post excavation samples were collected north of the excavated area to demonstrate compliance with the cleanup criterion. The excavation area was bounded on the south by the boiler building. Therefore, surface soils with elevated mercury concentrations have been addressed at the Site.

3.5.2 VOLUNTARY REMOVAL ACTION

Sampling activities conducted by the EPA and its contractors documented the presence of benzo(a)anthracene (up to 19 mg/kg), benzo(a)pyrene (up to 14 mg/kg), and benzo(b)fluoranthene (up to 17 mg/kg) in the exposed surface soils surrounding the former condominium building. The residential cleanup criteria for the three SVOCs are 1 mg/kg. Additional sampling conducted by the EPA also documented the presence of asbestos insulation in a friable condition on piping in the former boiler building. These conditions were deemed to pose a contact threat to residents of the condominium building and those who may enter the Site. A Removal Action Work Plan, dated May 4, 2001, and a Completion of Work Report for the Voluntary Removal Action, dated July 18, 2001, were prepared by LEA.

Between May and July 2001, LEA, under the direct supervision of the EPA, conducted several activities to mitigate exposure to the residents of the condominium and general public. During the week of May 14, 2001 LEA installed temporary cover materials, including geotextile fabric, stone and landscaping mulch, over areas of exposed surface soil contamination around the perimeter of the condominium building. LEA also conducted an asbestos sampling survey to determine the extent of asbestos-containing material in the abandoned boiler building. During

the week of June 18, 2001, LEA removed asbestos-containing material from the boiler building which was shipped off-Site for disposal at an appropriate landfill. Additional work was completed in June and July 2001 which included installing a cinder block wall to seal off an underground pipe chase which contains asbestos and removing several abandoned compressed gas cylinders from the boiler building.

3.5.3 STRIP MALL EXCAVATION

Three areas of soil exceeding cleanup criteria were previously identified on the Strip Mall property (Lot 8A). Two of the areas were related to metals (arsenic) Residential DEC exceedances centered around borings SB-18 and SB-23 (see **Figure 4**). The third area was related to SVOC Residential DEC exceedances near boring SB-10-6 (see **Figure 4**). Additional soil sampling was conducted between December 2004 and December 2006 to delineate the extent of the exceedances. Based on the sampling results, the delineated areas of exceedances were excavated in December 2006. Therefore, the soil impacts extending into Lot 8A have been addressed. Refer to **Appendix F** for the sampling results and excavation details.

4.0 SITE CONCEPTUAL MODEL

This section of the revised RAP provides the conceptual model for the contamination at the Site. The site conceptual model was developed to describe the contaminant distribution and potential migration pathways of contaminants at the Site. The model separates the modern contamination sources from the general background contamination by coal ash from common coal burning activities in the late 1800's through the early 1900's. As previously discussed, the soil impacts related to the historical operations prior to HSC's occupancy of the Site are termed as "Orphan" share". The portion of Site impacts suspected to be related to the contemporary manufacturing operations is called the "Potentially Responsible Parties" or "PRP" share.

4.1 OVERVIEW OF SITE CONCEPTUAL MODEL

The conceptual model of the Site impacts is made up of the following elements:

- ***General Background SVOC/Metals Impacts From Historical Operations***: Coal ash material comingled with fill (referred to as "black fill") has been observed in distinct layers across the entire Site. These materials were apparently spread during several known historical episodes of regrading/reworking activities. The black fill material is considered to be the general source of the widespread background soil contamination across the Site. Most of the SVOCs and metals compounds detected across the site can be attributed to coal ash constituents within the black fill materials.

- ***Modern Sources of Soil Impacts***: The modern sources of soil impacts are related to the PCSAs, which are generally limited to relatively small and definable areas. The VOCs, fuel oil related SVOCs/TPH, and chromium are generally associated with the PSCAs. Several of these areas will require remediation.

- ***Groundwater Impacts***: In general, the groundwater monitoring indicates that there are defined areas of groundwater impacts from the PCSAs. The black fill does not significantly affect groundwater at the Site. Areas of groundwater contamination from the PSCAs will be addressed through remedial activities.

A discussion of the potential contaminant sources, potential release mechanisms, and migration pathways for the on-Site impacts, is provided in the following sections.

Separate discussions of the Broad Brook river banks, and the sediment impacts in the brook and Mill Pond, are provided in Section 4.5.5 and Section 4.5.6, respectively.

4.2 POTENTIAL CONTAMINANT SOURCES

4.2.1 POTENTIAL CONTAMINANT SOURCE AREAS

The primary sources of contamination at the Site are the identified PCSAs (Section 3.1). Although some of the primary sources (e.g., former USTs) have been removed, residual impacts may be present at these locations. Therefore, the identified PCSAs are areas where primary sources were in contact with soils at the Site.

4.2.2 COAL ASH CONTAMINATION

Industrial operations at the Site over the past 150 years have significantly altered much of the original unconsolidated material. As discussed in Section 3.4.3, varying amounts of artificial fill material have been observed across the entire Site. This artificial fill was generally described as brown to black, fine to coarse grained sand with lesser amounts of silt and gravel, and with varying amounts of brick, asphalt, coal, glass, charcoal, and other coal combustion byproducts (including ash, cinders, and slag fragments). Per the description, this polluted fill material appears to be consistent with historical coal usage at the Site.

Detections of SVOCs and metals were also found to be distributed fairly uniformly across the Site (i.e., not limited to specific PCSA areas as discussed in Section 3.3.1.2 and 3.3.1.4), and are likely associated with the fill material. In most cases, these detections do not result in criteria exceedances. However, the presence of the fill and low concentrations of contaminants illustrates the widespread nature of polluted black fill at the Site. Available documentation indicates that numerous regrading activities at the Site have been completed, including relocation of Broad Brook a number of times, and filling of the former stream channels, which may explain how the polluted fill was distributed across the Site.

The following subsections provide additional information regarding the nature and extent of the widespread polluted fill material.

4.2.2.1 Coal Usage History

Historically, coal had been used at the Site to provide heat and lighting for the industrial operations. Prior to 1954, coal-fired boilers were operated at the Site to provide heat and steam to facilities. The exact year of initial coal use is not known, but it was likely close to the start of industrial activities (approximately 1850); therefore, these coal-fired boilers were used for more than 100 years. The boilers were operated within the former mill drying house (**Figure 23**). The existing boiler house on the western side of the Site was constructed in 1949, and from 1954 on, fuel oil was used instead of coal to provide heat for buildings at the Site.

A coal gas manufacturing plant was also operated at the Site from 1858 to 1902 (**Figure 23**). The manufacturing plant used the carbureted water gas process to convert coal into gas for building lighting at the Site. This process was discontinued once electricity became available at the Site around 1902. Coal was also stored on-Site in the southeastern area (**Figure 23**).

Available documentation does not indicate how the coal ash was handled. However, based on the presence of black fill material, which contains coal combustion byproducts, it is assumed that the coal ash was deposited in areas of the Site, and subsequently was used as fill material for regrading purposes. Extensive investigative work conducted at the Site provides no evidence of the presence of coal tar, a byproduct of coal gas manufacturing, at the Site. Coal tar was a useful byproduct, and may have been sold and transported off-Site.

4.2.2.2 Black Fill Material

The black fill material observed across the Site has been described as brown to black, fine to coarse grained sand with lesser amounts of silt and gravel and with varying amounts of brick, asphalt, coal, glass, charcoal, and coal combustion byproducts (including ash, cinders, and slag fragments). In some areas, the fill material was lighter brown or reddish brown in color and did not contain such materials as coal, cinders, slag, etc. The thickness of the fill was observed to be

typically at least 2 feet thick over the entire Site, as illustrated by the cross-sections on **Figure 17**, and over 10 feet thick in the central and western portions of the Site. The fill was thickest in the vicinity of the former stream channel in the central portion of the Site. The fill has been observed scattered over the majority of the Site, extending through the southern area and onto the strip mall property. **Figure 24** illustrates the approximate aerial extent of the characterized fill material.

The polluted fill contains visible material and chemical constituents that are characteristic of the byproducts of coal combustion operations at the Site. The dark brown to black fill material observed at locations across the Site also appears to be associated with the presence of elevated concentrations of metals and/or SVOCs (refer to **Figures 25 and 26** for the distribution of detections of metals and SVOCs, respectively).

The following definitions are from the American Coal Ash Association's Glossary of Terms:

- Coal ash — a collective term referring to any solid materials or residues (such as fly ash, bottom ash, or boiler slag) produced primarily from the combustion of coal.
- Fly ash — a very fine, powdery material, composed mostly of silica, and nearly all particles are spherical in shape.
- Bottom ash — typically gray to black in color, angular, and has a porous surface structure.
- Boiler slag — a molten ash collected at the base of slag tap and cyclone furnaces that is quenched with water and shatters into black, angular particles having a smooth, glassy appearance.

Constituents related to typical coal ash or fly ash include SVOCs (especially PAHs) and metals such as, arsenic, barium, cadmium, chromium, copper, mercury, nickel, lead, selenium, and zinc.

4.3 CONTAMINANT RELEASE MECHANISM

As previously discussed, a number of PCSA areas were identified that were the likely sources of contaminant releases. It is likely that contaminants related to the PCSAs were released primarily by spills, leaks, and seepage. The black fill material related to coal combustion is another source of general contamination at the Site. Reportedly, the Site has been extensively filled and regraded, which may have resulted in the redistribution of soils from their original locations. In particular, contaminated soils related to older operations (e.g., coal-combustion plant, coal storage area, tannery area, etc.) were more likely to have been distributed.

When contaminants reach the environment through the primary release mechanisms, they become subject to secondary release mechanisms that could expand the extent of contamination. In some cases, the depth of contaminant release from a primary source may be such that groundwater becomes impacted without further migration through the soil. This would occur if the water-table elevation fluctuates, due to seasonal changes or other causes, and rises into the contaminated soil. In other cases, water may carry the contaminants vertically and laterally by advective flow, dispersion, or diffusion. Both groundwater and surface water may be contaminated through the migration.

Stormwater runoff that enters contaminated soil through open areas in the pavement or over the significant areas of unpaved land may transport contaminants through the soil, resulting in the potential for contamination of soil, groundwater, and surface water. Surface runoff may carry contaminants, primarily those present in asphalt surfaces or adsorbed onto shallow soil, directly to surface water and the sediments within the surface water. At locations where soil is exposed to the air, volatilization may serve as a secondary release mechanism. Soil vapor contaminated with VOCs may adsorb onto vadose zone soils and be carried into the groundwater aquifer during fluctuations of the groundwater table or via the downward migration of water through surficial soils.

4.4 CONTAMINANT MIGRATION

After soil is contaminated, it serves as a secondary source for the distribution of contaminants in the environment. During such transport, the contaminants are subject to many processes

including volatilization, adsorption, and degradation that affect their concentrations and rate of migration. The persistence of contaminants in soil is determined by the chemical and physical properties of the soil and the contaminants. Soil properties that affect the distribution of a contaminant include porosity, percentage of organic carbon, moisture content, pH, particle size, and mineralogy. The infiltration rate of water affects the rate of leaching of contaminants from soil to groundwater. Degradation of contaminants may be biological or abiotic.

Contaminant concentrations and rates of migration in groundwater are influenced by a variety of processes including advective flow, dispersion, degradation, and adsorption. Contaminants are primarily transported in groundwater by advection, and therefore, is the predominant fate and transport mechanism. The rate of groundwater flow is determined by the hydraulic gradient and hydraulic conductivities of the aquifer materials. Dispersion of contamination in an aquifer occurs due to chemical diffusion in the groundwater and mechanical dispersion through the aquifer materials. Typically, the degree of dispersion is greater in the direction of groundwater flow than in directions perpendicular to it (i.e., advection of contaminants with groundwater flow generally dominates over diffusion as a dispersion mechanism). The concentration of the contaminant in groundwater will decrease as dispersion dilutes the plume, although the total mass of contaminant in the aquifer remains the same. Organic contaminants in groundwater are also subject to natural degradation processes that break compounds into simpler, usually less toxic, compounds. Contaminants in groundwater can also be adsorbed to materials in the subsurface. These processes influence the transport of contaminants in groundwater.

The direction of groundwater flow is determined by the hydraulic gradient. In turn, the hydraulic gradient is controlled by the recharge and discharge relationships across the Site. Groundwater will flow from the recharge areas, where the hydraulic heads are higher, to the discharge areas, where the hydraulic heads are lower. The elevations of the hydraulic heads are determined by such factors as the rate of precipitation and infiltration, the type and amount of groundcover, and the presence and elevation of streams.

In general, the primary migration pathway at the Site consists of the following sequence:

- Spills, leaks, or seepage from former activities conducted at the Site;
- Use of fill material containing contaminants over many areas of the Site;
- Regrading of soil and fill material, redistributing some contamination from its original point of origin;
- Contaminants infiltrating into soil;
- Contaminants leaching from the soil and being transported to groundwater; and,
- Contaminants migrating in shallow groundwater and discharging into surface-water bodies.

4.5 CONTAMINANT DISTRIBUTION

4.5.1 VOCs

The occurrence of VOCs (primarily TCE) in soil is generally expected to be the result of releases of chlorinated solvents that were used in degreasing and machine maintenance operations conducted at the Site. Elevated VOC concentrations (TCE, PCE, and 1,1,1-TCA) are observed in the central portion of the Site generally in the vicinity of former printed-circuit manufacturing operations (PCSA-8), the former fuel oil AST (PCSA-4), and the former manufactured gas plant (PCSA-6). Solvent use on Site was likely during the contemporary manufacturing operations. Hence, the VOCs that exceed criteria are attributed to the "PRP share". Refer to **Figures 9A and 9B** for soil sampling locations, and **Figure 13** for groundwater sampling locations. The delineation of VOCs impacts is discussed in Section 5.0.

It is likely that the solvents were originally released as separate-phase liquids and migrated vertically through the unsaturated soils at the Site and continued to migrate vertically once they reached the saturated zone (if in sufficient quantities). In the process of migrating downward, some of the VOCs would adsorb onto soil grains and into pore spaces, and subsequently migrate in the saturated zone as a dissolved phase. Based on the solubility of the particular constituents and their relative affinity for adsorbing to soil grains, some of the VOCs would adsorb to the soil beyond the areas affected by the initial release. The high organic carbon content of the fill materials at the Site would result in higher concentrations adsorbed onto soil. Given the adsorptive capacity of the fill material and the fine-grained, naturally-occurring deposits at the Site, it does not appear that a significant quantity of DNAPL reached the saturated zone.

Groundwater concentrations generally decrease with depth even in areas where concentrations in unsaturated zone soil were relatively high.

Dissolved VOCs (primarily TCE and associated degradation products) are present in groundwater within and downgradient of areas where significant concentrations were detected in subsurface soils. The distribution of those contaminants in groundwater is consistent with the directions of groundwater flow determined for those portions of the property where VOC contamination in soil and groundwater has been detected.

No VOCs were detected in groundwater collected from the four wells screened in the upper portion of the bedrock aquifer. VOCs have also not been detected in sediments at the Site.

4.5.2 SVOCs

The widespread occurrence of SVOCs at the Site is associated with the distribution of the black fill material, which originated primarily from the historical use of coal at the Site. SVOCs in the fill material are also likely derived from the storage of coal in specific locations of the Site. Due to the amount of re-working and filling of the Site at various times throughout its history, the fill material containing elevated concentrations of SVOCs is widespread and varies considerably in depth. Polluted black fill is discussed in greater detail in Section 4.2.2. Since most of the SVOC exceedances are primarily in the vicinity of the historical coal-burning operations and coal pile area, the exceedances are associated with "Orphan Share". Refer to **Figure 10** for soil sampling locations, and **Figure 14** for groundwater sampling locations. The delineation of SVOCs impacts is discussed in Section 5.0.

Some SVOCs are also likely related to specific PCSAs, likely due to the storage and use of heavy oils such as No. 4 and No. 6 fuel oil. Two SVOCs exceedance areas, one near the former AST located in the west central portion of the Site (PCSA-4) and the other near the former USTs in the northwest corner of the Site (PCSA-1), are related to the "PRP Share".

In spite of the elevated concentrations in Site soils, SVOCs do not typically leach significant quantities to groundwater due to their low solubility and high affinity for remaining adsorbed to

soil particles. This has been demonstrated by the infrequent detection of SVOCs in groundwater, considering the widespread distribution of soil SVOC contamination at the Site.

4.5.3 TPH

Based on the analytical data, coupled with the data describing the historical activities conducted at the Site, the TPH contamination identified is likely associated with the use and storage of various grade oils, gasoline, or diesel fuel. TPH impacts related to general use of solvents, paints, and fuels during the contemporary Site operations are associated with the "PRP Share". Refer to **Figure 11** for soil sampling locations, and **Figure 15** for groundwater sampling locations. The delineation of TPH impacts is discussed in Section 5.0.

The majority of the soil samples containing the highest detectable concentrations of TPH were collected in the immediate vicinity of the location of the former USTs (PCSA-1), in the area south of the former powerhouse (PCSA-2), in the vicinity of the former fuel oil AST (PCSA-4), in the vicinity of the location of the former tannery (PCSA-5), and in the eastern and southern portions of the former outdoor storage area (PCSA-10).

There have been detectable concentrations of TPH in 21 of the 41 monitoring wells sampled. Only three monitoring wells show consistent TPH concentrations: MW-1, MW-3, and MW-28. This demonstrates that there are dilute TPH impacts to groundwater from soil at the Site. TPH has also been detected in sediments from Broad Brook.

4.5.4 METALS

The presence of metals in soil and groundwater at concentrations above those that would be considered naturally occurring can be related to a number of sources, depending on the specific metals. The area of metals including arsenic, chromium, and lead, primarily in the vicinity of the historical coal-burning operations, coal-pile, and the former tannery, is likely attributable to the "Orphan Share". Two areas of chromium impacts in soil (one area near the dam on Broad Brook and one area adjacent to Lot 8A near the former storage area) are suspected to be related to the "PRP Share". Refer to **Figures 12A and 12B** for soil sampling locations, and **Figure 16** for groundwater sampling locations. The delineation of metals impacts is discussed in Section 5.0.

The general widespread occurrence of certain metals in the Site soils can be associated with the distribution of the black fill material. As stated in Section 4.2.2, arsenic, barium, cadmium, chromium, copper, mercury, nickel, lead, selenium, and zinc are typically found in coal ash, and therefore, can be associated with the black fill at the Site.

The number of detections and groundwater criteria exceedances for arsenic, cadmium, copper, lead, and zinc are limited and infrequent. However, chromium was detected in groundwater at four locations: one in the outside storage area, and the other three near the dam on Broad Brook in the central portion of the Site.

The highest concentrations of chromium in groundwater were detected just upgradient of the location where a significant volume of groundwater is believed to be discharging to Broad Brook. This is further supported by the fact that Broad Brook sediments near this area of the dam also have exhibited chromium detections.

Elevated concentrations of mercury were detected in shallow surface soils in the northwestern portion of the Site, but there is no evidence that mercury leached to deeper depths in those areas or that mercury is present in the groundwater in that location. The presumed source of mercury at this location is related to the use of thermometers and manometers in the boiler house. Mercury was detected at deeper depths in several soil sampling locations, primarily in the central portion of the Site. However, no consistent detections of mercury are observed in the Site's groundwater. (Mercury impacted soils have been addressed through interim remedial actions at the site.)

Select metals including arsenic, barium, boron, cadmium, chromium, copper, lead, nickel, and zinc were detected in the sediment samples from Broad Brook.

4.5.5 BROAD BROOK RIVER BANKS

The course of the Broad Brook has been modified in the past during historical periods of general site regrading and other earth moving activities (refer to **Figure 8**). During historical Site

regrading, fill and other debris (including the "black fill") may have been deposited near or on the river banks. This section includes a discussion of the distribution of fill/black fill materials along the Broad Brook river banks.

The Broad Brook water level varies from a few feet below the Site elevation (see **Figure 17**, Cross-Section C-C'; area behind the former condominium building and approaching Mill Pond) to as much as 10 feet below the site elevation (see **Figure 17**, Cross-Section A-A'; area near the Former Power House).

Occurrence of Black Fill Near River Banks: Soil sampling has been conducted in close proximity to the brook at several locations as shown on **Figure 4**. Since these soil sample locations are relatively close to the river banks, this soil data is considered representative of the river banks. As indicated in **Figure 17 and Figure 24**, areas of black fill have been identified approaching the edge of the river banks.

However, for the purposes of the future site remediation, if the soil borings immediately adjacent to a portion of the river were impacted above applicable criteria, it was conservatively assumed that the impacts extend to the river banks. Refer to Sections 5.5 and 6.2.3 for a discussion of potential remedial options for applicable areas of the river banks.

Visual Survey of River Banks: A visual field survey was conducted along the river banks in October, 2009. During the survey, evidence of debris/fill materials was observed on the top of the river banks in the area behind the Former Power House, and extending north to the bend in the brook (see **Figure 4**). This debris included pieces of bricks and pieces of coal/slag. The areas of observed debris will be photo-documented, and these observations will be included in the forthcoming Soil/Sediment Remedy Work Plan.

November 2009 Surface Soil Sampling on the River Banks: As a further refinement to the delineation of potential impacts along the river banks, surface soil sampling was conducted on the river banks. The sampling was conducted in November 2009 (full results of analyses are pending as of the date of this RAP, and the results of the surface soil sampling will be

incorporated into the forthcoming Soil/Sediment Remedy Work Plan). These results will be used to refine the potential remedial options for applicable areas of the river banks.

A discussion of the areas of the river banks that are included in the future remediation plans (pending a refined delineation with the above-mentioned surface sampling effort), is presented in Section 5.5. Refer to Section 6.2.3 for a discussion of stabilization options for the river banks.

4.5.6 Relationship Between Mill Pond and Broad Brook Sediment Impacts

As previously discussed in Section 3.3.5, the same types of SVOC compounds were detected in both the brook and Mill Pond sediments. The chromatographs of the SVOC analyses in the Broad Brook and Mill Pond sediment samples exhibited the same, or very similar patterns (i.e., "fingerprints"). This suggests that the source of the SVOCs in both water bodies are the same. Further, these types of SVOCs are commonly found in water bodies near roadways, and are characteristic of typical urban-area runoff[2]. Based on these observations, it is likely that the general impacts to the sediments are related to typical urban-area surface water runoff.

Also, since the Mill Pond sediment concentrations are generally the same or slightly higher than concentrations in the brook (with the exception of one location, SD-15), it is suspected that SVOC impacts in the brook sediments are partially related to the release of sediments from the Mill Pond. The sediment release mechanisms from the Mill Pond are discussed in this section.

SVOCs in Sediments at Sample Location SD-15: In general, a comparison of the SVOCs analysis results for the sediments (refer to **Table 22**) indicates that the SD-15 area (see **Figure 7**) exhibits total SVOCs concentrations that are higher than all the other locations in the brook, as well as in the Mill Pond. Based on the relatively high SVOCs levels observed in this one sediment sample, it is possible that the SD-15 area may have been impacted from other on-site sources, such as coal ash. However, since the SD-15 area is also aligned with a concrete outfall pipe which is hydraulically connected to the Mill Pond sluiceway (discussed further in following sections), it is likely that sediment releases from the Mill Pond have also contributed to

[2] Lopes, T.J., Dionne, S.G., 1998, *A review of semivolatile and volatile organic compounds in highway runoff and urban stormwater*: U.S. Geological Survey Open File Report 98-409, 67 p

impacts at this area. The area surrounding SD-15 is proposed to be addressed during the remedial activities (see Sections 5.6 and 8.0 for a discussion of the proposed sediment remedy).

Potential Sediment Impact Mechanisms: Based on the contaminant types detected in the brook, there are two likely impact mechanisms to the brook sediments: 1) surface water runoff directly entering the brook, and 2) release of Mill Pond sediments to the brook.

There are no significant SVOC impacts in groundwater adjacent to Broad Brook, or on-site (see **Figure 14**). Based on this, groundwater discharge to the brook is not likely to be a release mechanism to the brook sediments.

Mill Pond Dam and Sluiceway: The relationship between the Mill Pond dam, sluiceway, and downstream sediment impacts was investigated by LEA in January 2003[3]. There is a pond-level control gate on the face of the Mill Pond dam, and a sluiceway structure on the south end of the dam. Both of these structures are opened periodically for maintenance and/or during periods of high water for pond-level control. Operation of the control gate on the dam, and the sluiceway gate on the side of the dam, are potential avenues for the transport of sediments from the Mill Pond to Broad Brook.

Concrete Outfall Pipe Connected to Mill Pond Sluiceway: Another potential avenue for sediment transfer from the Mill Pond to the brook is through a concrete outfall pipe located on the western site boundary, downstream of the small dam (see **Figure 7**). The outfall of this concrete pipe is located near sediment sample SD-15 (which exhibits the highest total SVOCs sediment concentration of 154,418 μg/kg). This outfall pipe is connected to the Mill Pond sluiceway.

During the 2003 LEA investigation, the sluice gate at the Mill Pond was opened to verify the hydraulic connection with the concrete outfall pipe. It was confirmed that when the sluice gate is opened, there was an increase in the discharge flowrate of water from the outfall pipe.

[3] *Investigation of Mill Pond Dam/Sluiceway Structure and Evaluation of Broad Brook Sediments*, memorandum dated January, 16, 2003

XDD met with the Town of East Windsor Public Works/Engineering Department, and the Parks and Recreation Department (responsible for operation of the Mill Pond gate and sluiceway) on October 13, 2009. Based on this site walk, the following was determined:

- The Parks and Recreation Department periodically operates the Mill Pond control gate and sluiceway to control the level in the pond.
- There is an open sump pit at the outlet of the Mill Pond sluiceway. The sump pit appeared to be approximately 10 feet square, but was partially obscured by a wooden plank walkway built over the top.
- During the October 13, 2009 site walk, the sump pit was completely submerged with flowing water from leaks in the sluiceway and/or other outlets of the dam.
- One or more pipelines are reportedly connected to the sump pit. These pipeline(s) reportedly were used to supply water for various mill operations.
- It was observed that if the sluiceway were to be opened, the water level above the top of the sump pit would rise. A higher head of water above the sump pit would increase the flow through the pipeline(s) connected to the sump pit. This observation is consistent with the 2003 LEA test of the sluiceway and observation of increased flow at the concrete outfall pipe on the western boundary of the Site.

Operation of the Sluiceway: According to the Town of East Windsor, the Mill Pond dam gate and sluiceway controls will continue to be operated on a periodic basis to control the pond level. Therefore, sediments from the Mill Pond will continue to be introduced to the Broad Brook. As such, it is likely that the current level of SVOCs in the brook sediments represents an equilibrium concentration between the pond and the brook.

Proposed Activities: Based on the above observations, it is proposed that sediment remediation, as required, be focused on location SD-15. This area exhibits sediment SVOCs concentrations that are higher than any of the other areas along or immediately upstream of the site, and as such, this area may have been partially impacted by on-site activities. Refer to Sections 5.6 and Section 8.0 for a discussion of proposed sediment remediation activities for this area.

5.0 REMEDIAL OBJECTIVES

The remedial objectives for the Site, and the applicable or relevant and appropriate requirements (ARARs) are described in Sections 5.1 and 5.2, respectively. Sections 5.3 and 5.4 provide cleanup criteria and identify Site areas exceeding the criteria for soil and groundwater at the Site, respectively. Section 5.6 contains a discussion of the sediment remediation issue.

5.1 OBJECTIVES OF REMEDIAL ACTION

The objective of the proposed remedial action at the Site is to comply with the requirement of Consent Order No. SRD-154 issued on November 19, 2003. The Consent Order requires evaluation of remedial alternatives, and upon the CTDEP approval, implementation of remedial actions to abate the Site groundwater, soil, and sediment contamination in accordance with the CT RSRs and the ARARs.

Soil Remedial Objectives: Per the CT RSRs, impacted soils must be remediated to a concentration that meets the lowest of the DEC and PMC. Soil impacts related to the coal ash can potentially be excluded from the PMC criteria. These criteria are discussed in Section 5.3.

Groundwater Remedial Objectives: Per the CT RSRs, three types of criteria are applicable for Site groundwater: 1) groundwater protection criteria (GWPC), 2) surface water protection criteria (SWPC), and 3) volatilization criteria (VC). These criteria are discussed in Section 5.4. Federal maximum contaminant levels (MCLs) and maximum contaminant level goals (MCLGs) are also appropriate criteria that were evaluated for groundwater.

ARARs: Compliance with ARARs is required at the completion of the remedial action for material remaining on-Site. As a matter of policy and consistent with Title 40 Code of Federal Regulations (CFR) Part 300 (the National Contingency Plan [NCP]), ARARs also must be met during implementation of the remedy.

On-Site and off-Site actions are subject to all applicable laws, both the substantive and administrative portions, including obtaining permits. "On-Site" is defined in the NCP as the

"areal extent of contamination and all suitable areas in very close proximity to the contamination necessary for implementation of the response action." The "areal extent of contamination" refers to both the surface area, groundwater beneath the Site, and air above the Site.

5.2 APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS (ARARS)

This section presents an overview of the ARARs which are considered throughout the identification, screening, and evaluation of the remedial alternatives in this RAP. ARARs are promulgated, enforceable federal and State environmental or public health requirements that fit into either of two categories: "applicable requirements" and "relevant and appropriate requirements." The EPA and the states have also identified certain guidance as "to be considered" criteria (TBC). The primary ARAR to be considered for the Site is the CT RSRs.

The list of potentially applicable Federal and State ARARs/TBCs are provided in **Tables 33 through 35**. In addition, the specific applicability of each of the ARARs and TBCs to each of the proposed remedial alternatives is also presented in **Tables 33 through 35**.

The applicability of the ARARs/TBCs to the soil and groundwater remedial alternatives is also discussed with additional detail in Sections 6.2 and 7.2, respectively. The applicability of the ARARs to the sediment and river bank remedies are also discussed in the Section 6.2.

ARARs must be identified for the unique particulars of the Site (e.g., sensitive receptors, hazardous materials, and the suggested remedial alternatives). In addition, ARARs must be met for hazardous substances remaining on-Site at the completion of the remedial action and also during implementation of the remedial action.

5.2.1 DEFINITION OF ARARS

Applicable Requirements (AR) are those cleanup standards, standards of control, and other substantive environmental protection requirements, criteria, or limitations promulgated under federal or State law that specifically address a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstance at a site.

Relevant and Appropriate Requirements (RAR) are those cleanup standards, standards of control, and other substantive environmental protection requirements, criteria, or limitations promulgated under federal or State law that are not "applicable" to a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstance at a site, but address problems or situations sufficiently similar to those encountered at the site that their use is well-suited to the particular site. However, in some circumstances, a requirement may be relevant but not appropriate for the site-specific situation.

TBCs are federal and State non-promulgated requirements, such as guidance documents or criteria. Advisories or guidance documents do not have the status of potential ARARs. However, where there are not specific ARARs for a chemical or situation, or where such ARARs are not sufficient to be protective, guidance or advisories should be identified and used to ensure that a remedy is protective.

5.2.2 CLASSIFICATIONS OF ARARS

The ARARs are typically sorted into three categories:

- Action-specific;
- Chemical-specific; and,
- Location-specific.

Action-specific regulations and criteria are technology or activity-based requirements that set restrictions on particular kinds of activities at sites. Action-specific ARARs are in **Table 33**.

Chemical-specific ARARs govern the extent of site cleanup in terms of actual concentration targets. Requirements are usually health or risk-based numerical values or methodologies used to establish acceptable values for site-specific conditions. Chemical-specific ARARs are in **Table 34**.

Location-specific regulations and criteria address natural site features such as wetland and floodplains and manmade features such as waste piles. These requirements can restrict allowable

concentrations of specific on-Site hazardous substances and also the conduct of remedial activities. Location-specific ARARs are in **Table 35**.

5.2.3 POTENTIAL ACTION-SPECIFIC ARARS AND TBCS

Key action-specific ARARs and TBCs are discussed in this section. Action-specific ARARs and TBCs are usually technology- or activity-based requirements or limitations on actions taken with respect to hazardous wastes. These requirements generally focus on actions taken to remediate, handle, treat, transport, or dispose of hazardous wastes. These action-specific requirements do not in themselves determine the remedial alternative; rather, they indicate how a selected alternative must be achieved.

Table 33 lists the potential action-specific ARARs and TBCs. The table includes brief descriptions of the ARARs/TBCs, a statement as to whether they are applicable, and an explanation as to how they will be addressed in the remedial alternative (if applicable).

The major potential action-specific ARARs that were considered are briefly described below.

Resource Conservation and Recovery Act (RCRA): RCRA regulations govern the treatment, storage, and disposal of RCRA hazardous wastes, and specifically apply to facilities that treat, store, or dispose of RCRA hazardous wastes after July 1982. Given the industrial nature of activities conducted at the Site, portions of RCRA are relevant and appropriate to certain actions to be taken at the Site.

The primary RCRA provisions that are considered as relevant and appropriate for any of the remedial alternatives are the export of hazardous waste (40 CFR Part 262.50, Subpart E and 40 CFR 300.400), compliance with the manifest system, reporting and record keeping (40 CFR Part 263.10 to 263.22, Subparts A and B and 40 CFR Part 264.70, Subpart E), and land disposal restrictions (40 CFR Part 268). Other RCRA provisions that may be relevant and appropriate include waste piles (40 CFR Parts 264.250-264.259 and 268.2) and air emission standards (40 CFR Part 264).

Occupational Safety and Health Administration (OSHA): OSHA regulations contain requirements that will be applicable to all of the proposed remedial alternatives. These include safety and health regulations for construction (29 CFR Part 1926), recording and reporting occupational injuries and illnesses (29 CFR Part 1904), and occupational safety and health standards (29 CFR Part 1910). Compliance with these ARARs are part of standard procedures for all Site work related to the remedial alternatives.

Clean Air Act (CAA): The CAA regulates emissions into the air through National Ambient Air Quality Standards (NAAQS) and National Emission Standards for Hazardous Air Pollutants (NESHAPs). In general, some of the groundwater and soil remedial alternatives involve extraction of VOCs from the subsurface, and potential treatment, prior to discharge to ambient air. Therefore, applicable air discharge permits will be required, to be in compliance with these ARARs.

NAAQS regulate the emissions of six "criteria pollutants" through Section 109 of the CAA and 40 CFR Part 50. NAAQS define the levels of primary and secondary levels for six common air contaminants including sulfur, particulate matter, carbon monoxide, ozone, nitrogen dioxide, and lead. These particular contaminants will not be part of any air discharge stream at the Site, and as such, this ARAR is not applicable (with the exception of dust suppression measures that would be necessary during large scale site grading/site cover construction options, and in this case this ARAR will be met by employing common dust suppression techniques).

NESHAPs regulate those emissions for hazardous compounds that are not covered under the NAAQS rules. Several of the compounds detected at the Site are covered under NESHAPs. The standards require the maximum degree of emission reduction that the EPA determines to be achievable, which is called the Maximum Achievable Control Technology (MACT). NESHAPs applicability and regulations are in 40 CFR Part 61. These rules are applicable to proposed remedial alternatives which involve extraction of soil vapors from the subsurface and subsequent discharge to atmosphere.

In addition, the Connecticut State Implementation Plan (SIP) contains specific requirements for specific air discharge sources, which are designed to ensure the attainment and maintenance of the NAAQS and Connecticut Ambient Air Quality Standards.

Clean Water Act (CWA): Under the CWA, every point source discharge to a water of the United States must obtain a National Pollutant Discharge Elimination System (NPDES) permit, which requires compliance with technology- and water quality-based treatment standards established in 40 CFR Parts 122, 124, and 125. These regulations would be applicable to one of the groundwater remedial alternatives (involving groundwater extraction, aboveground treatment, and discharge) and sediment removal activities.

5.2.4 Potential Chemical-Specific ARARs and TBCs

Chemical-specific ARARs and TBCs are usually health or risk-based values that define maximum allowable exposure levels; therefore, they may be used in establishing remediation goals. In general, chemical-specific ARARs are set for a single chemical or a closely related group of chemicals.

Table 34 lists the potential chemical-specific ARARs and TBCs. The table includes brief descriptions of each of the ARARs/TBCs, a statement as to whether they are applicable, and an explanation as to how they will be addressed in the remedial alternative (if applicable).

There are a limited number of chemical-specific requirements established; therefore, non-promulgated guidance and criteria are also used. Federal regulations and criteria that address groundwater and surface water quality were developed primarily under two laws. The Safe Drinking Water Act (SDWA) developed the MCLs and MCLGs for human health. Similarly, Water Quality Criteria (WQC) or Ambient Water Quality Criteria (AWQC) were developed under the CWA for the protection of aquatic life.

Safe Drinking Water Act: SDWA MCLs are standards for metals, pesticides, VOCs, SVOCs, radionuclides, and other classes of contaminants that have been adopted as enforceable standards for public drinking water systems (40 CFR Parts 141.11 to 141.16 and 264.94). The basic

jurisdictional prerequisite for MCLs is that they apply to "public water systems," defined as systems for the provision of piped water for human consumption with at least 15 service connections. Although activities at the Site will have no impact or influence on the public water supply system, these MCLs should be considered relevant and appropriate for groundwater aquifers used for drinking water. The State of Connecticut has standards for private and public drinking water quality developed from the federal MCLs; these standards are also considered relevant and appropriate for remedial activities at the Site. By meeting the State of Connecticut's MCLs, federal SDWA MCLs are typically also met by default, since the federal MCLs are equivalent to or less stringent than the State of Connecticut's MCLs.

SDWA MCLGs are non-enforceable health goals for public water systems set at levels that would result in no known or anticipated adverse health effects with an adequate margin of safety. Non-zero MCLGs are generally relevant and appropriate for any aquifer that is a potential drinking-water source. MCLGs were evaluated for any compounds detected in on-site groundwater for which the MCLG concentrations differ from its MCL concentration. The only on-site groundwater contaminant for which there is a non-zero MCLG that is lower than the applicable MCL is thallium (see **Table 34**). However, the MCLG for thallium (0.0005 mg/L) is below the Practical Quantitation Limit of 0.002 mg/L (see 57 Fed. Reg. 31815 (July 17, 1992)).

Other federal goals that are TBC are the EPA Risk Reference Doses (RfDs) and the EPA Carcinogen Group Potency Factors. These non-enforceable criteria are used to assess the carcinogenic impact of various chemicals and compounds.

Ambient Water Quality Criteria: The AWQC have been developed under the CWA as guidelines for the protection of freshwater aquatic life and human health, based on ingestion of water and fish consumption. These standards would be relevant and appropriate for development of acceptable effluent discharge limits for remedial alternatives that require discharges to Broad Brook (such as groundwater extraction, aboveground treatment, and discharge of treated water).

5.2.5 POTENTIAL LOCATION-SPECIFIC ARARS AND TBCS

Key location-specific ARARs and TBCs are discussed in this section. All potential ARARs and TBCs are included in **Table 35** with brief descriptions and how they will be addressed in the remedial action, if applicable.

Location-specific ARARs and TBCs are restrictions placed on the concentrations of hazardous substances or the conduct of activities solely because they are in specific areas. The general types of potential location-specific ARARs and TBCs that may pertain to the Site are briefly described below.

Floodplain Protection: The Floodplains Executive Order 11988 (Protection of Floodplains), incorporated into 40 CFR Part 6, requires that floodplains be protected, preserved, and that adverse impacts be minimized. Portions of the Site are located within the 100-year flood zone. However, the remedial actions considered for the Site will not significantly impact the behavior or drainage characteristics or topography of these areas.

Wetlands Protection: Section 404 of the CWA and Executive Order 11990 (Protection of Wetlands) require a determination that federal actions involving dredging and filling activities or activities in wetlands minimize the destruction, loss, or degradation of wetlands and preserve and enhance the natural and beneficial values of wetlands.

One of the soil remedial alternatives (involving a site soil cover, river bank stabilization, and sediment removal) will require that some work be conducted within small segments of the wetlands or within the wetlands buffer zones near the Broad Brook. These remedial activities will not adversely or permanently impact these wetlands resources. Discussions with the Town of East Windsor and CTDEP have already taken place, and the proper permitting for the proposed construction activities will be achievable. In addition, standard construction management practices will be used to eliminate or minimize any impacts on the wetlands.

National Historic Preservation Act (NHPA): NHPA is a federal ARAR that may apply to the Site based on the EPA's determination; therefore, these requirements will be considered. The

Site was listed on the National Register of Historic Places in 1985. To meet State requirements, the State Historic Preservation Office (SHPO) was consulted to determine which components of the Site could be considered of historical value. The SHPO has determined that the proposed remedial alternatives will have no effect on any historic components remaining on the site. However, if demolition of the former powerhouse building is conducted, the SHPO will require that the structure be professionally documented prior to demolition.

Fish and Wildlife Coordination Act: An additional location-specific ARAR includes the Fish and Wildlife Coordination Act, which requires that any federal agency proposing to modify a body of water must consult with the U.S. Fish and Wildlife Service. This ARAR is applicable to the sediment issues for the Site (e.g., river bank stabilization and sediment removal activities). An enquiry to the CTDEP Natural Diversity Database was conducted in July 1998. Per the CTDEP, there is no record of threatened or endangered species within a one-mile radius of the Site. Proper sediment/ stormwater controls will be employed to ensure minimal impact on the brook.

5.3 SOIL REMEDIATION

This section presents applicable cleanup criteria for Site soils and identifies the areas that exceed the soil cleanup criteria. The soil remedial alternatives are developed and evaluated in Section 6.0 of this document. **Table 36** provides the cleanup criteria for the Site COCs in soil.

5.3.1 CLEANUP CRITERIA

Per the CT RSRs, polluted soil must be remediated to a concentration that meets the lowest of the DEC and PMC. The CT RSRs mandates soil intervals and locations for applying DEC and PMC, and specifies exemptions under which DEC and/or PMC may not apply to certain soils. The following subsections describe applicable criteria, and proposed exemptions as appropriate for portions of the Site soils. **Table 36** provides cleanup criteria for the Site COCs in soil.

5.3.1.1 Direct Exposure Criteria

DEC apply to the top 15 feet of soil at the Site, and CT RSRs provide two sets of values: one for a residential land use scenario and the other for an industrial/commercial land use scenario.

The Site is proposed to be remediated to residential DEC, because:

1) residential DEC are more stringent than industrial/commercial DEC and an evaluation showed that the remedial costs are in the same range under both scenarios;
2) Lot 8 (former condominium property) was previously designated for residential land-use; and,
3) remediating to residential DEC will increase available future land-use options at the Site.

Although not proposed in this RAP, industrial/commercial DEC could also be applicable, provided that access to the Site is limited to individuals working at or visiting the Site. Under an industrial/commercial scenario, an Environmental Land Use Restriction (ELUR) would be required to ensure that the impacted areas of the Site are not used for residential activity in the future.

An additional type of ELUR may be implemented at the Site to make certain soils "inaccessible" and thereby limit direct exposure. "Inaccessible soil" is defined as any soil below 4 ft BGS that is rendered inaccessible. Per Section-2(b)(3) of the CT RSRs, DEC do not apply to inaccessible soil. The ELUR would ensure that the soil will not be exposed as a result of excavation, demolition, or other activities. Applying this ELUR will reduce the applicability of DEC from 0 to 15 ft BGS to 0 to 4 ft BGS.

5.3.1.2 Pollutant Mobility Criteria (PMC)

PMC generally apply to soil above the seasonal low water table, and CT RSRs provides two sets of values, one for GA/GAA groundwater and the other for GB groundwater. Groundwater underlying the Site is classified as GA by the CTDEP; therefore, soils must meet GA PMC values to protect groundwater quality. For SVOCs, VOCs, and TPH, the PMC exceedances are determined based on a comparison with results from soil mass analysis. For metals, PMC are compared to the results of TCLP or SPLP analysis of soil.

5.3.1.3 Polluted Fill Exemption

As previously discussed, the Site conceptual model includes the polluted black fill (containing coal ash) throughout the Site. Section 2(c)(4)(C) of the CT RSRs states that PMC do not apply if the polluted fill meet certain conditions. The rationale of exemption from PMC applicability for the polluted fill at the Site is described in the following subsection.

As described in Sections 3.0 and 4.0, the majority of SVOCs and metals detected in soils across the Site are associated with the black fill material that was impacted by historical coal combustion activities. Therefore, the polluted fill provision in Section-2(c)(4)(C) of the CT RSRs is applicable to portions of the Site fill material. Under the polluted fill provision, the PMC do not apply to soil SVOCs and metals over the majority of the Site. Sections 5.3.2.2 and 5.3.2.4 identify the areas that are not eligible for the polluted fill exemption due to potential contamination from historical operations not related to the polluted fill.

The following is a list of requirements per Section-2(c)(4)(C) of the CT RSRs (*in italic fonts*), and the respective rationale that satisfies each requirement.

The pollutant mobility criteria do not apply to polluted fill on a parcel if:

(aa) such fill is polluted only with coal ash, wood ash, coal fragments, asphalt paving fragments, or any combination thereof;

Rationale: As described in Sections 3.4.3 and 4.2.2, the fill observed at the Site is dark brown to black, fine to coarse-grained sand with lesser amounts of silt and gravel and with varying amounts of cinder, coal, ash, slag, brick, glass, charcoal (burned wood), and asphalt fragments. Therefore, polluted fill observed at the Site meets this condition.

(bb) such fill is not polluted with any volatile organic substance;

Rationale: As presented in Section 5.3.2.1, soil areas with VOC concentrations exceeding the cleanup criteria are limited. The areas of VOC exceedances are also

proposed to be remediated (Section 6.0). Therefore, the polluted fill observed at the Site will meet this condition.

(cc) the concentration of each substance in any such fill is consistent with requirements established in subsection (b) of this section [i.e., in compliance with DEC]*;*

Rationale: Sections 5.3.2.2 and 5.3.2.4 present soil areas with SVOCs and metals concentrations exceeding DEC at the Site, respectively. However, the areas of DEC exceedances are proposed to be remediated (Section 6.0). Therefore, the polluted fill observed at the Site will meet this condition.

(dd) such substance is not affecting and will not affect the quality of an existing or potential public water supply resource or an existing private drinking water supply;

Rationale: In general, PMC exceedances of SVOCs and metals related to the coal ash/black fill do not result in groundwater exceedances, as discussed in Section 5.3.2 (i.e., these SVOCs and metals exceedance areas are likely related to PSCAs). Further, Section 5.4.2 identifies those areas that exceed cleanup criteria for SVOCs and metals in Site groundwater. Soil and groundwater PMC exceedances for SVOCs and metals in these areas are proposed to be remediated (Sections 6.0 and 7.0). Therefore, the polluted fill observed at the Site will meet this condition.

(ee) a public water supply distribution system is available within 200 feet of such parcel and all parcels adjacent thereto; and,

Rationale: A public water supply distribution system is available at the Site and adjacent properties (**Appendix D**). Properties with private wells will continue to be monitored to confirm continued compliance with the applicable criteria (Section 2.2.1.8). Once groundwater has achieved compliance with the GWPC, the monitoring of private wells will be discontinued.

(ff) the placement of the fill was not prohibited by law at the time of placement

Rationale: As described in Section 2.1.2, the coal combustion and gasification activities took place between approximately 1858 and 1954. Therefore, the fill placement was not prohibited by law at the time of placement.

5.3.2 AREAS EXCEEDING CLEANUP CRITERIA

This section identifies soil exceedance areas on Lot 8 (former condominium property). The Lot 8A (strip mall property) soil delineation is discussed in a separate subsection (Section 5.3.3) since Lot 8A is under a third party ownership.

Using the data collected to date, interpolation (kriging) was performed using the Groundwater Modeling System (GMS) software to estimate the areas and volumes of soils that exceed the Site cleanup criteria. The kriging results for each contaminant type (i.e., VOCs, SVOCs, TPH, and metals) are presented in **Figures 27 through 33**. **Appendix E** provides a detailed description of the indicator kriging method. To represent the extent of exceedances, the volumes have been projected onto a planar surface; therefore, the figures reflect the maximum aerial extent of exceedances in the subsurface. The following subsections describe areas of exceedances by contaminant type.

5.3.2.1 VOCs

Figure 27 presents the areas of soil exceeding residential DEC for VOCs interpolated from data presented in **Tables 1A through 2B**. There are no VOC exceedances for residential DEC in the 0 to 4 ft BGS interval. One location in the 4 to 15 ft BGS interval had an exceedance for VOC residential DEC, which results in an estimated exceedance area of approximately 540 square feet (**Figure 27**).

Figure 28 presents the areas of soil exceeding GA PMC for VOCs interpolated from data presented in **Tables 1A and 2A**. The average depth to groundwater at the Site is approximately 8 ft BGS; therefore, a value of 8 feet of vertical depth was used to calculate soil volumes from the areas shown in the figure.

Approximately 6,760 cubic yards of soil over a 24,300 square-foot area exceed the GA PMC for VOCs. The areas of exceedances are generally concentrated over the central portion of the Site with a few smaller areas located in the northern portion of the Site.

5.3.2.2 SVOCs

Figure 29 presents the areas of soil exceeding residential DEC for SVOCs interpolated from data presented in **Tables 3 and 4**. The majority of SVOC residential DEC exceedances are in the shallow (0 to 4 ft BGS) zone (an area of approximately 38,600 square feet) and are concentrated around the central portion of the Site. There are a few outlying areas in the northern and southern parts of the Site. Deeper exceedance areas (4 to 15 ft BGS) generally coincide with shallow exceedance areas (a total area of approximately 16,500 square feet).

The estimated total volume of DEC exceedances for SVOCs is 16,320 cubic yards. An additional area of SVOC exceedances was identified behind the former condominium building at the location of pipe outfall (PIPE-1).

The polluted fill exemption can be applied to the majority of SVOC PMC exceedances at the Site since they are typically related to the black fill material. To be conservative, two PCSA areas (PSCA-1 and PSCA-4) with SVOC PMC exceedances have been identified that do not qualify for the exemption (i.e., due to the possibility that impacts at these locations are related to historical manufacturing operations).

As presented in **Figure 30**, a SVOC PMC exceedance area of approximately 9,400 square feet exists near the dam on Broad Brook, close to the former AST (PCSA-4). An area of about 5,500 square feet exceeding SVOC PMC has also been identified in the northwestern corner of the Site in the vicinity of the former USTs (PCSA-1). Although SVOCs have been detected across the entire Site, SVOC PMC exceedances in the two identified areas may be related to the storage of fuel oil, and will therefore, be remediated.

5.3.2.3 TPH

Figure 31 shows the areas of soil exceeding residential DEC for TPH interpolated from data presented in **Tables 5 and 6**. Exceedances for residential DEC are shown for the 0 to 4 ft BGS (an approximate area of 3,700 square feet) and 4 to 15 ft BGS (an approximate area of 12,700 square feet) depth intervals. The majority of TPH DEC exceedances are in the deeper (4 to 15 ft BGS) interval.

Figure 32 presents the areas of soil exceeding GA PMC for TPH interpolated from data presented in **Table 5**. Approximately 5,300 square feet of soil exceed the GA PMC for TPH. The average depth to groundwater at the Site is approximately 8 ft BGS; therefore, a value of 8 feet of vertical depth was used to calculate soil volumes from the areas shown in the figure. The total volume of TPH exceedances (DEC and PMC) is approximately 5,830 cubic yards.

5.3.2.4 Metals

Figure 33 presents the areas of soil exceeding residential DEC for metals interpolated from data presented in **Tables 7 and 8**. Exceedances for residential DEC are shown for the 0 to 4 ft BGS (an area of approximately 36,500 square feet) and 4 to 15 ft BGS (an area of approximately 15,500 square feet) depth intervals. The majority of metals DEC exceedances are in the shallow (0 to 4 ft BGS) zone and are concentrated around the eastern portion of the Site and in the vicinity of the dam on Broad Brook.

Figure 34 shows two areas of soil GA PMC exceedances for chromium interpolated from data presented in **Table 9**. The two areas are in the vicinity of chromium impacts in groundwater: one in the vicinity of the dam on Broad Brook and the other at MW-20. These soil PMC exceedances will be remediated because groundwater quality is impacted, possibly due to chromium at levels above PMC in these areas.

The polluted fill exemption can be applied to the majority of remaining metal PMC exceedances at the Site. As previously discussed, there are widespread exceedances of lead PMC across the Site, which are likely related to the coal ash observed at the Site and the regrading activities that occurred in the past. Lead issues at the Site could also be related to historical tannery operations,

as well as the historical use of lead-based paint. However, there are no lead impacts to groundwater at the Site and no evidence to suggest a different source for lead PMC exceedances in these areas. Therefore, lead PMC exceedances will be covered by the polluted fill exemption and lead DEC exceedances (**Figure 33**) will be addressed through the proposed soil remedial alternatives.

5.3.3 STRIP MALL DELINEATION

As mentioned in Sections 2.2.1.10 and 2.2.1.12, additional soil sampling was completed by XDD both on and near the strip mall property (Lot 8A) between December 2004 and December 2006. The objective of the sampling was to further delineate areas of identified exceedances on the strip mall property. Based on the sampling results, the following are the delineated areas of exceedances on the strip mall property. Some of these areas were addressed through excavation in December 2006.

5.3.3.1 VOC Exceedances

Several VOCs were found to exceed the applicable CT RSR cleanup criteria during the historical soil sampling at Lot 8A (strip mall property). At SB-18, 1,1,1-TCA was detected at a concentration of 13,000 μg/kg in the 10 to 12 ft BGS depth interval (**Table 1A**). The CT RSR cleanup criterion is 4,000 μg/kg for 1,1,1-TCA in residential soils. SB-23 had reported concentrations of 120 μg/kg for both PCE and TCE at 8 to 10 ft BGS (**Table 1A**). The CT RSR cleanup criterion for both compounds is 100 μg/kg for residential land use. In the 2 to 4 ft BGS depth interval at SB-23, PCE was not detected (detection limit of 5 μg/kg) and the TCE concentration was 26 μg/kg.

During the December 2004 field event at the strip mall property, soil samples were field-screened for VOCs at every 2-foot depth interval from ground surface to 16 ft BGS (or refusal) using a photo-ionization detector (PID). Samples from depth intervals exhibiting the highest PID readings were collected and sent for the laboratory analysis of VOCs. **Table 1A** summarizes the VOC analysis results for soil samples collected from and around SB-18 and SB-23. The reported concentrations are well below the cleanup criteria. From the results of the field screening and

sample analysis, it was determined that VOCs have degraded below cleanup criteria at Lot 8A (strip mall property). Therefore, VOCs are no longer considered a concern and no additional treatment is required.

5.3.3.2 SVOC Exceedances (Lot 8 and Lot 8A)

SVOC exceedances were identified during the historical sampling at SB10-6 (refer to **Figure 4** for boring location), which is located near the eastern property line on Lot 8.

As shown on **Table 3**, there were four SVOC exceedances detected from the 0 to 2 ft BGS depth interval at SB10-6 in January 1997 (2,200 µg/kg benzo(a)anthracene, 2,100 µg/kg benzo(a)pyrene, 2,600 µg/kg, benzo(b)fluoranthene, and 1,500 µg/kg indeno(1,2,3-cd)pyrene, in exceedance of the 1,000 µg/kg residential DEC for all four compounds).

Due to the proximity of SB10-6 to Lot 8A, the potential for SVOC exceedances extending onto Lot 8A (strip mall property) was addressed. This was addressed through additional delineation sampling and subsequent excavation of criteria exceedances in December 2006 (refer to **Figure 35** for the excavated area). The details of the sampling, data results, and excavation in the vicinity of SB10-6 are provided in **Appendix F**.

5.3.3.3 TPH Exceedances

A TPH exceedance was identified in October 1997 at SB-12 (1,200 mg/kg from the 0 to 2 ft BGS interval compared to the cleanup criterion of 500 mg/kg). In December 2004, soil samples were collected from depth intervals of 0 to 2 ft BGS and 2 to 4 ft BGS at four locations at and around SB-12 (SB-12-0, SB-12-1, SB-12-2, and SB-12-3; refer to **Figure 4** for locations). The December 2004 sampling results showed that TPH values for each sample were below the cleanup criterion of 500 mg/kg for TPH (refer to **Table 6**). Therefore, the results indicate that TPH has likely biodegraded in the area of SB-12 to levels below the cleanup criterion, and SB-12 is no longer considered an area of concern. **Figure 36** shows the delineation at SB-12 for TPH. No additional treatment was required.

5.3.3.4 Metals DEC Exceedances

An arsenic exceedance (27.0 mg/kg) of the DEC (10 mg/kg) was identified in the sample collected from the 10 to 12 ft BGS depth interval at SB-18 in 1997 (**Table 7**). A sample collected from the 4 to 6 ft BGS depth interval from the same location had a reported value of 2.2 mg/kg. For delineation of this exceedance area, in December 2004, soil samples were collected at four locations around SB-18 (SB-18-1, SB-18-2, SB-18-3, and SB-18-5; refer to **Figure 4** for locations). The December 2004 sampling results showed that arsenic concentrations in the samples surrounding location SB-18 were below the DEC (**Table 8**). **Figure 37** summarizes these results and shows the delineated area at location SB-18. This area was addressed through excavation in December 2006; refer to **Appendix F** for details.

In 1997, the sample collected from the 2 to 4 ft BGS depth interval at SB-23 had a reported arsenic concentration of 11.6 mg/kg (above the DEC of 10 mg/kg). The arsenic concentration was 2.1 mg/kg in the sample collected from the 8 to 10 ft BGS interval (**Table 7**). For delineation of this exceedance area, soil samples were collected from four locations around SB-23 in December 2004 (SB-23-0, SB-23-1, SB-23-2, and SB-23-3; refer to **Figure 4** for locations). The December 2004 sampling results showed that arsenic concentrations in the samples surrounding location SB-23 were below the DEC (**Table 7**). **Figure 38** summarizes these results and shows the delineated area at location SB-23. This area was addressed through excavation in December 2006, the details of which are described in **Appendix F**.

5.3.3.5 Extractable Metals Concentrations

Soil data collected in 1997 and 1998 show that select metal concentrations at SB-23 (chromium) and SB-40 (lead) were higher than the PMC (refer to **Table 9**). However, as discussed in Section 5.3.1.3, the polluted fill exemption is proposed for these applicable portions of the Site. Therefore, the PMC will not apply to these soils. Additional delineation sampling was performed in December 2004 and February 2005. The collected data is summarized in Section 3.0 along with the other soil sampling data. No further remedial action is proposed for these soils since they meet the conditions of the polluted fill exemption.

5.4 GROUNDWATER REMEDIATION

This section identifies the applicable cleanup criteria for the Site groundwater and the COCs and areas exceeding the groundwater cleanup criteria. **Table 37** provides cleanup criteria for the Site COCs in groundwater. The groundwater remedial alternatives are developed and evaluated in Section 7.0 of this document.

5.4.1 CLEANUP CRITERIA

Per the CT RSRs, three types of criteria are applicable for Site groundwater: 1) groundwater protection criteria (GWPC), 2) surface water protection criteria (SWPC), and 3) volatilization criteria (VC). The groundwater underlying the Site is classified as GA by the CTDEP. GA groundwater is defined as groundwater within the area of existing private water supply wells or an area with the potential to provide water to public or private water supply wells. The CTDEP presumes that groundwater in such an area is, at a minimum, suitable for drinking or other domestic uses without treatment.

In addition to the GWPC, federal MCLs and MCLGs were evaluated. The only compound that has a federal MCL that is less than the GWPC is thallium (GWPC is 5 ppb and MCL is 2 ppb). All of the non-zero MCLGs for other site COCs are below the Practical Quantitation Limits, and therefore, MCLGs are not relevant or appropriate requirements (see Section 5.2.4 and **Table 34**).

Section-3(d)1 of the CT RSRs specifies that GA groundwater may be remediated to GA GWPC provided that the following conditions are met:

(A) The background concentration for groundwater is equal to or less than such GWPC;

(B) A public water supply distribution system is available within 200 feet of the subject parcel, parcels adjacent thereto, and any parcel within the areal extent of such plume (**Appendix D**);

(C) Such groundwater plume is not located in an aquifer protection area; and,

(D) Such groundwater plume is not located within the area of influence of any public water supply well.

The above-mentioned conditions are met for Site groundwater; therefore, Site groundwater is proposed to be cleaned up to GWPC for GA groundwater as listed in the CT RSRs.

Site groundwater discharges to an adjacent surface water body (Broad Brook). Therefore, groundwater must also meet the SWPC. The surface water quality of Broad Brook is designated class "B/A" by the CTDEP. This designation indicates that the brook is currently not meeting class "A" WQC for one or more uses. However, CTDEP's long-term goal is attainment of class "A" water quality by instituting and enforcing policies that allow for the upgrade in classification.

Lastly, a component of groundwater COCs may potentially volatilize and impact indoor air concentrations of existing or future buildings at the Site. Therefore, Site groundwater must also meet the CT RSRs VC for groundwater. The most stringent VC (i.e., for a residential land use scenario) were selected as target cleanup levels.

5.4.2 AREAS EXCEEDING CLEANUP CRITERIA

Tables 14 through 18 present the groundwater monitoring data for VOCs, SVOCs, TPH, and metals, respectively, and a comparison to the GWPC, SWPC, and VC. The following subsections compare the recent Site groundwater data (November 2003 through present) with the cleanup criteria, and identify areas of exceedances of Site groundwater.

5.4.2.1 Groundwater Protection Criteria Exceedances

As shown in **Table 14**, chlorinated VOCs (e.g., TCE, PCE, and 1,1,1-TCA) concentrations exceed the GWPC. As a result of the recent groundwater monitoring (November 2003 through present), TCE, PCE, and 1,1,1-TCA (GWPC: 5, 5, and 200 μg/L, respectively) concentrations as high as 544, 12, and 270 μg/L, respectively, were observed in monitoring wells MW-04, MW-14, and MW-35D, respectively. Other VOC exceedances included 1,1-DCE (up to 43 μg/L at MW-35D), cis-1,2-DCE (up to 129 μg/L at MW-19), and vinyl chloride (up to 4.5 μg/L at MW-03). The compound 1,4-dioxane also exceeded the draft GWPC (6 μg/L) at three locations (at MW-23D, MW-23S, and MW-35D), as shown on **Table 15**.

The SVOCs that exceeded the GWPC during the most recent (November 2003 through present) quarterly monitoring events were benzo(a)anthracene (estimated at a value of 0.38 μg/L at MW-10 compared to GWPC of 0.06 μg/L) and benzo(b)fluoranthene (0.22 and 0.63 μg/L at MW-35D and MW-06, respectively, compared to GWPC of 0.08 μg/L) (refer to **Table 16**). Bis(2-ethylhexyl)phthalate was detected at each of the sampled monitoring wells during the sampling events. The detectable concentrations ranged from 0.28 to 200 μg/L and also exceeded the GWPC of 2 μg/L. One of the other phthalate compounds, di-n-butyl phthalate, was detected at a total of seven wells during the quarterly monitoring events.

It is important to note that the phthalate compounds discussed above were not detected during historical monitoring events at the Site. Further, these phthalate compounds were also detected in the laboratory blanks in three of the six sample delivery groups. Bis(2-ethylhexyl)phthalate and di-n-butyl phthalate are two of six phthalate esters that are identified as common laboratory contaminants that can occur at levels up to 100 μg/L (EPA Contract Laboratory Program National Functional Guidelines for Low Concentration Organic Data Review, December 2001; EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October, 1999).

Phthalates are present in various solvents, reagents, and plastics. In this case, it is possible that the phthalates may have originated from equipment used in the laboratory and/or field. For example, tygon tubing commonly used in low-flow sampling can contain bis(2-ethylhexyl)phthalate at concentrations up to 20 μg/L (Handbook of Environmental Data on Organic Chemicals by Karel Verschueren, p. 867, 1996).

Common phthalate contaminants detected in the sample and associated blank may be qualified "U" in the sample by elevating the sample quantification limit to the sample concentration when the sample result is less than ten times the blank concentration (EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October, 1999). Premier Laboratories, LLC states that the contract for the Site requires a sample may be qualified "U" by

elevating the sample quantification limit to the sample concentration when the sample result is less than five times the blank concentration (personal communication with Ron Warila of Premier Laboratories, LLC).

Further, according to EPA guidelines, if the reviewer determines that contamination is from a source other than the sample, the data may be qualified even if the contaminant's source cannot be identified (EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October, 1999). In essence, the phthalate data is considered not representative of Site groundwater, but it is an artifact due to certain laboratory or field procedures.

As shown in **Table 17**, TPH concentration exceedances (GWPC: 0.5 mg/L) during the recent (November 2003 through present) quarterly monitoring events were observed at monitoring wells MW-01 (up to 0.76 mg/L), MW-03 (1 mg/L), and MW-28 (0.58 mg/L). Cadmium (at MW-03: 0.05 mg/L and MW-18S: 0.0065 mg/L), chromium (at MW-03: up to 0.33 mg/L, MW-10: 0.067 mg/L, MW-20: up to 0.143 mg/L, MW-23S: up to 0.307 mg/L, MW-32: up to 2.95 mg/L, and MW-33: 0.063 mg/L), and lead (at MW-33: 0.037 mg/L) exceeded the GWPC of 0.005, 0.05, and 0.015 mg/L, respectively during the quarterly monitoring (refer to **Table 18**).

During the 2003 to 2004 quarterly monitoring, antimony and thallium were detected above GWPCs of 0.006 and 0.005 μg/L, at a total of 19 and 13 monitoring wells, respectively. The majority of detections were observed during the February and May 2004 events with a few during the August 2004 event. Due to the randomness of the data, the detections of antimony and thallium do not appear to be representative of the Site groundwater conditions. Therefore, quarterly monitoring of antimony and thallium was continued at specific wells at the Site. During the November 2004 quarterly event, these metals were not detected at concentrations above their respective GWPCs in any of the monitoring wells in which they were originally detected. Three additional quarterly monitoring events were performed and the results confirmed that antimony and thallium concentrations were below their respective GWPCs in the Site groundwater.

Evaluation of Federal MCLs/MCLGs: Federal MCLs and MCLGs were also compared to Site groundwater concentrations. All of the non-zero MCLGs for other site COCs are below the Practical Quantitation Limits, and therefore, MCLGs are not relevant or appropriate requirements (see Section 5.2.4 and **Table 34**). The only compound that has a federal MCL that is less than the GWPC is thallium (GWPC is 5 ppb and MCL is 2 ppb). Although thallium has not been detected in groundwater during the monitoring events since August 2004, the detection limits and practical quantitation limits for thallium were higher than the MCL. Therefore, it will be recommended to confirm that thallium is below the MCL during a future monitoring event.

5.4.2.2 Surface Water Protection Criteria Exceedances

As shown in **Tables 14 and 15**, none of the VOCs detected in Site groundwater exceed the SWPC at the Site. As shown in **Table 16**, the only SVOCs that exceeded the SWPC during the recent (November 2003 through present) quarterly monitoring were acenaphthylene (up to 5.2 μg/L at MW-28 compared to SWPC of 0.3 μg/L), benzo(a)anthracene (estimated at a concentration of 0.38 μg/L at MW-10 compared to SWPC of 0.3 μg/L), benzo(b)fluoranthene (0.63 μg/L at MW-06, compared to SWPC of 0.3 μg/L), and phenanthrene (estimated at concentrations of 0.12, 0.22, and 0.21 μg/L at MW-02, MW-06, and MW-28, respectively, compared to the SWPC of 0.077 μg/L).

As shown in **Table 37**, the CT RSRs do not specify SWPC for TPH; therefore, the TPH concentrations were not evaluated with respect to the SWPC. Cadmium (at MW-03: 0.05 mg/L and MW-18S: 0.0065 mg/L), chromium (at MW-03: up to 0.33 mg/L, MW-20: up to 0.143 mg/L, MW-23S: up to 0.307 mg/L, and MW-32: up to 2.95 mg/L), and lead (at MW-10: 0.015 mg/L and MW-33: 0.037 mg/L) exceeded the SWPC of 0.006, 0.110, and 0.013 mg/L, respectively, during the recent (November 2003 through present) quarterly monitoring (refer to **Table 18**).

Arsenic concentrations exceeding the SWPC of 0.004 mg/L were detected at a total of 11 monitoring wells (the highest concentration of arsenic, 0.034 mg/L, was detected at MW-03) during the recent (November 2003 through present) quarterly monitoring. Copper (up to 0.12 mg/L at MW-03 and 0.058 mg/L at MW-32) and zinc (0.14 mg/L at MW-23S and 0.24 mg/L at

MW-34) exceeded the SWPC of 0.048, and 0.123 mg/L, respectively, during the quarterly monitoring.

Section-3(f)2 of the CT RSRs states that "Compliance with a surface-water protection criterion for a substance in groundwater is achieved when the sampling locations are representative of the subject groundwater plume and the average concentration of such substance in such plume is equal to or less than the applicable surface-water protection criterion for at least four consecutive quarterly sampling periods."

An evaluation of arsenic, copper, and zinc data was performed to check for SWPC compliance. A total of 24 monitoring wells were included in the evaluation based on the arsenic detection and the location of those wells (refer to **Table 38A** for a list and **Figure 39** for locations). The arsenic analysis detection limit for the samples collected in the November 2003 quarterly event was higher than the SWPC. Beginning in February 2004, a graphite furnace type of analytical method was used to get lower arsenic detection limits, and an additional quarterly event was conducted in November 2004 to get four quarters of data for the evaluation. As shown in **Table 38A**, the arsenic evaluation showed that the average concentration value for the four quarters of data was 0.00312 mg/L, which is below the SWPC of 0.004 mg/L. Therefore, arsenic concentrations in the Site groundwater are in compliance with the SWPC. Similar evaluations were performed for copper and zinc using all monitoring wells (copper and zinc were detected in a majority of the monitoring wells at the Site), and the analyses are presented in **Tables 38B and 38C**, respectively. As shown in the tables, both copper and zinc concentrations observed in the Site groundwater are in compliance with the SWPC of 0.048 mg/L and 0.123 mg/L, respectively.

5.4.2.3 Volatilization Criteria Exceedances

As shown in **Table 14**, the following compounds in groundwater exceeded the VC during the quarterly monitoring:

- TCE (at MW-04 up to 544 μg/L);
- 1,1-DCE (at MW-23D up to 2.1 μg/L, at MW-23S up to 1.3 μg/L, MW-32 up to 3.6 μg/L, and MW-35D up to 43 μg/L), and;

- Vinyl chloride (at MW-03 up to 4.5 μg/L, MW-32 up to 2.9 μg/L, and MW-33 up to 3 μg/L).

5.4.3 GROUNDWATER EXCEEDANCE SUMMARY

A total of seven chlorinated VOCs (PCE, TCE, TCA, 1,1-DCE, 1,4-dioxane, cis-1,2-DCE, and vinyl chloride), four SVOCs (acenaphthylene, benzo(a)anthracene, benzo(b)fluoranthene, and phenanthrene), and three metals (cadmium, chromium, and lead) exceeded the groundwater cleanup criteria including GWPC, SWPC, and VC (refer to **Figure 40** for exceedance locations).

Section 7.0 presents and evaluates a number of Site groundwater remedial alternatives and provides an overview of the recommended approach to remediate the Site groundwater. The reduced monitoring network implemented in January 2006 includes exceedance areas that would be addressed by the proposed groundwater remedy and also dilute plume exceedances (including inconsistent exceedances) that are not proposed to be treated per discussion with the CTDEP.

5.4.4 STRIP MALL (LOT 8A) GROUNDWATER

Figure 5 shows the groundwater monitoring network for the Site. Six monitoring wells (MW-07, MW-08, MW-14, MW-15, MW-20, and MW-21) are located along the boundary of Lot 8A (strip mall property). The quarterly monitoring data for these wells are provided in **Table 14** (VOCs), **Table 16** (SVOCs), **Table 17** (TPH), and **Table 18** (metals). There were no observed exceedances of SVOCs at the Lot 8A (strip mall property) boundary monitoring wells (**Table 16**). Exceedances have been observed for VOCs, TPH, and metals, and these exceedances are discussed below.

Table 14 shows that PCE concentrations at MW-14 and MW-21 from the recent groundwater monitoring (November 2003 through present) exceed the GWPC of 5 μg/L with a maximum observed concentration of 12 and 9.4 μg/L, respectively. The available soil data do not suggest the presence of a significant upgradient PCE source for groundwater on the strip mall property (refer to **Figure 9A** for the soil boring locations on Lot 8A [strip mall property]).

In addition, the low PCE concentrations observed at MW-14 and MW-21 are characteristic of a low level diffuse groundwater plume, which indicates that there is no cause for concern at the upgradient property. Therefore, further investigation of PCE in groundwater is not warranted for Lot 8A (strip mall property).

Recent (November 2003 through present) groundwater monitoring data for TPH shows that there are no exceedances of the GWPC at the boundary locations (**Table 17**). In 1997, a TPH concentration (0.70 mg/L) exceeded the GWPC of 0.50 mg/L at MW-07; however, in recent sampling events, TPH concentrations have not been detected at MW-07 (less than 0.10 and 0.15 mg/L during the May and August 2004 events, respectively). This indicates that TPH has degraded in the groundwater at MW-07 and there is no indication that an upgradient source exists for TPH at this location. TPH concentrations at the remaining monitoring locations are low or not detected. Therefore, further investigation of TPH in groundwater is not necessary for Lot 8A (strip mall property).

There have been several metals exceedances detected at monitoring well locations along the boundary of Lot 8A (strip mall boundary), as shown in **Table 18**. MW-20 has consistently exhibited chromium concentrations above both the GWPC and SWPC. MW-21 has had one arsenic detection above the SWPC. Recent sampling events have not detected arsenic in groundwater at MW-21.

Chromium exceedances in soil at the Site are not widespread (**Figure 12A**) and the likely source of elevated chromium concentrations at MW-20 is the immediate upgradient area of SB10-5, where both total and SPLP chromium concentrations have exceeded the applicable criteria. At SB10-6 and SB10-8, which are further upgradient and closer to Lot 8A (strip mall property), chromium exceedances in soil have not been identified. Therefore, consideration of these results suggests that the chromium concentrations found in groundwater along the boundary of the strip mall property are due to local areas of soil exceedances on Lot 8 (former condominium property), rather than from widespread soil contamination or from groundwater at Lot 8A (strip mall property). These soil exceedances will be addressed during the remedial action (discussed later in this report).

An additional temporary groundwater sampling point (GW8A-1) was installed on May 13, 2005 (**Figure 5**) on Lot 8 (former condominium property), at the boundary with Lot 8A (strip mall property). GW8A-1 was located directly downgradient of the chromium and lead soil PMC exceedance areas at SB-23 and SB-40 in order to capture potential impacts to groundwater from these areas. A groundwater sample was collected at this location from the saturated depth interval at 10.5 ft BGS (top of water table) to 17.5 ft BGS (bedrock). The sample was analyzed for chromium (0.0156 mg/L) and lead (0.0113 mg/L) and neither constituent exceeded the applicable criteria (0.050 mg/L and 0.015 mg/L, respectively).

Based on the analysis of the available groundwater monitoring data from the boundary wells along Lot 8A (strip mall property), observed contaminant exceedances are due to local hot spot areas of contamination on Lot 8 (former condominium property), as identified by examination of soil data in the vicinity of groundwater exceedances. There does not appear to be any source area contamination on Lot 8A that is contributing to groundwater impacts (and monitoring data indicates that the groundwater flowing from Lot 8A is not impacted). Additionally, remaining soil exceedance areas at the strip mall property were excavated and removed in December 2006 (Sections 5.3.3 and 6.2.1, **Appendix F**), thus eliminating the potential pathway of contaminant transport from soil to groundwater at Lot 8A (strip mall property).

5.5 BROAD BROOK BANK STABILIZATION

Broad Brook borders the Site on the north and west boundaries. A visual survey along the brook was conducted on October 6, 2009, to examine the condition of the stream banks. The purpose was to identify the areas that present potential soil erosion.

Also, areas that have close proximity to on-Site areas with known DEC exceedances (as based on the nearby on-Site soil borings) were identified. During the survey, evidence of debris/fill materials was observed on the top of the river bank in the area behind the Former Power House, and extending north to the bend in the brook (see **Figure 4**). This debris included pieces of bricks and pieces of coal/slag.

Based on the visual survey, the brook was divided into five segments (Segments A through E) as illustrated in **Figure 41**. These segments are discussed below:

- Segment A: The stream banks in this segment have a very flat slope and consist of what appears to be native soil covered with cobbles and large rocks. As such, soils underlying a dense cover of the cobbles are inaccessible. The flat and stable slope of the bank does not present a significant potential for erosion due to this cobble/rock cover. There are also no DEC exceedances in close proximity along the bank with the exception of PIPE-1. This location is about 40 feet from the bank and it is addressed in Section 6.2.2.

- Segment B: There are moderate slopes in this segment along with the evidence of some debris and bricks. As previously mentioned, there was some evidence of fill/debris on top of the river bank in the area behind the Former Power House. The section of the bank approaching the bend in the brook (northwestern corner of the Site) has some DEC exceedances in nearby soil borings (e.g., SB-34, SB-35, and SB-36). Due to the slope of the banks at this location, it may be necessary to stabilize the slope as a precaution against scouring. Additional surface soil sampling on the river banks has been conducted in this area (refer to Section 4.5.5), and results will be incorporated into the forthcoming Soil/Sediment Work Plan.

- Segment C: There are no DEC exceedances in the four nearby soil boring locations (SB2-2, SB-29, SB4-12, and GP-7). This section appears to consist of native material and with the exception of the portion of this segment near the Former Power House, there is no evidence of bricks or any visible black fill at the surface. Additional surface soil sampling on the river banks has been conducted in this area (refer to Section 4.5.5), and results will be incorporated into the forthcoming Soil/Sediment Work Plan.

- Segment D: This area exhibits moderate slopes, but with no evidence of any coal ash or black fill material on the surface. There are some DEC exceedances in soil borings close to the river banks. Due to the slope of the banks at this location, it may be necessary to stabilize the slope as a precaution against scouring. Additional surface soil sampling on

the river banks has been conducted in this area (refer to Section 4.5.5), and results will be incorporated into the forthcoming Soil/Sediment Work Plan.

- Segment E: The slope of the bank is flat with no evidence of coal ash or black fill material. Due to the stable slope, there is limited potential for soil erosion into the brook. No historical operations have been reported in this portion of the Site. There are also no DEC exceedances along the bank based on six nearby soil borings (BB-2, BB-3, BB-9, BB-16, SBA-6, and SBA-3).

As a further refinement to the delineation of potential impacts along the river banks, surface soil sampling was conducted on the river banks in November 2009 (full results of analyses are pending as of the date of this RAP, and the results of the surface soil sampling will be incorporated into the forthcoming Soil/Sediment Work Plan). These results will be used to refine the potential remedial options for applicable areas of the river banks.

The proposed river bank stabilization methods are discussed in detail in Section 6.2.3.

5.6 SEDIMENT IMPACTS

As presented in Section 3.3.5 of the RAP, previous investigations have identified SVOCs as the COC for sediments within Broad Brook and within Mill Pond. In general the type of SVOCs detected in the brook and pond are typical of urban-area runoff. With the exception of one sediment sample location in the brook (SD-15), the brook sediment concentrations are similar to, or slightly lower than, concentrations detected in the Mill Pond sediments. Since the SD-15 area exhibits sediment SVOCs concentrations that are higher than any of the other areas along or immediately upstream of the site, it is possible that this area may have been impacted by on-site activities (i.e., coal-ash, etc.).

As previously discussed in Section 4.5.6, a likely source of general impacts to the brook is from sediments released from the Mill Pond gate and sluiceway. The Mill Pond sluiceway is also connected to a concrete outfall pipe that discharges to the brook on the western property boundary. This concrete outfall pipe is aligned with sediment sample location SD-15 (see

Figure 41), which as previously discussed, exhibits the highest total SVOCs concentrations out of any sediment samples in either the Mill Pond or brook (see **Table 22**). It is possible that some of the impacts at this location could be related to the discharge of sediment from the Mill Pond sluiceway, which is hydraulically connected to this concrete outfall pipe (refer to Section 4.5.6 for a discussion of this sediment release mechanism).

The CT RSRs do not specify cleanup criteria for sediment contamination. However, based on the above observations, it has been recommended that sediment impacts at location SD-15 be addressed. Refer to Section 8.0 for a discussion of proposed sediment remediation activities.

6.0 SOIL REMEDIATION PLAN

Section 6.1 provides an overview of the applicable remedial technologies being considered for remediation of the Site soils. Specific remedial alternatives are presented in Section 6.2. The recommended soil remedial alternative is presented in Section 6.3. (Sediment remediation is discussed in Section 8.0).

A discussion of the ARARs/TBCs that are specifically applicable to the remedial alternatives are included in this section. Refer to Section 5.2 for a general overview of the ARARs/TBCs.

As discussed in Section 5.3 of the RAP, the soils at the Site are impacted in several areas at levels that exceed the CT RSRs. **Table 39** summarizes the COCs that exceed the CT RSRs across the Site.

The portion of Site impacts related to the historical manufacturing operations (called the "Orphan Share") include:

- Coal ash/black fill related areas of SVOCs that exceed the DEC (refer to **Figure 42A**). These areas are primarily in the vicinity of the historical coal-burning operations and coal pile area; and,
- Coal ash/black fill related areas of metals that exceed the DEC (refer to **Figure 42B**). These areas are primarily in the vicinity of the historical coal-burning operations, coal pile area, and the former tannery.

Some areas of SVOCs and metals impacts also exceed the PMC. Under the polluted fill provision (Section-2(c)(4)(C) of the CT RSRs), coal ash related soil impacts may be exempted from meeting the PMC if groundwater is not impacted by the coal ash. There is no evidence that groundwater impacts are related to the widespread occurrence of the coal ash fill materials. Therefore, the majority of PMC exceedances related to historical operations can be exempted under the polluted fill provision since it meets this and other requirements for exemption.

The PMC exceedance areas that are not exempted under this provision are presented on **Figures 42A and 42B** (identified as part of the PRP Share).

As previously discussed, no DEC exceedances are exempt, so all DEC exceedance areas (i.e., Orphan or PRP Share) are included in the proposed remedial actions.

The portion of Site impacts suspected to be related to the modern manufacturing operations (called the "PRP Share") includes:

- Two areas of SVOCs that exceed the DEC and PMC (**Figure 42A**). These areas are near the former USTs near the northwest corner, and near the former AST near the dam on Broad Brook to the west of the Site;
- Two areas of chromium impacts in soil that exceed the PMC (one area near the dam on Broad Brook, and one area adjacent to Lot 8A near the former storage area, see **Figure 42B**). These areas will not be exempted under the polluted fill provision since chromium groundwater impacts exist in close proximity to these soil PMC exceedances. It is not clear how chromium impacts to groundwater occurred in these two areas, since they are not immediately adjacent to any specific known source (such as the electroplating area). There is also no evidence to differentiate these chromium impacted soil areas from the general coal-ash contamination (which contains chromium) across the Site. However, it is reasonable to assume that these areas could be related to the electroplating operations since the underlying groundwater at these two locations appear to be impacted with chromium;
- Elevated mercury levels, thought to be associated with spills from thermometers and manometer instruments within the former boiler house, have already been removed during an interim remedial activity in 1998. Elevated concentrations of mercury were detected prior to the remedial activity in shallow surface soils in the northwestern portion of the Site, but there is no evidence that mercury leached to deeper depths in those areas or that mercury is present in the groundwater in that location; and,

- VOCs and TPH soil impacts that exceed the DEC and PMC are shown in **Figures 42C and 42D**, respectively. These impacts were likely related to the general use of solvents, paints, fuels, etc. during the contemporary Site operations.

6.1 EVALUATION OF REMEDIAL TECHNOLOGIES

Remedial technologies and process options were identified based on a review of available literature. In addition, selected technology/process option vendor information was consulted to identify additional candidate technologies that are potentially applicable for addressing the COCs in Site soils. Based on the review of literature/vendor information, the type of media, identified contaminants present in the soil, and CT RSRs/ARARs, the list of remedial technologies considered applicable for the vadose and saturated soils was developed and is presented below:

Vadose Zone Soil

- Containment/Engineered Control and Institutional Controls;
- Biological Treatment (bioventing);
- Physical/Chemical Treatment (soil vapor extraction [SVE], stabilization, and chemical oxidation/reduction); and,
- Excavation

Saturated Zone Soil (discussed in Section 7.0 regarding groundwater remediation)

- Containment/Engineered Control and Institutional Controls;
- Biological Treatment (biosparging);
- Physical/Chemical Treatment (air sparging [AS], stabilization, and chemical oxidation/reduction); and,
- Excavation

The technologies listed above are briefly described in the following subsections.

6.1.1 SITE SOIL COVER/ENGINEERED CONTROL AND INSTITUTIONAL CONTROLS

A soil cover/engineered control would require the design, placement, and long term monitoring of a soil cover or other approved engineered barrier that would isolate the contaminants

underground, preventing direct contact with soil. This option will be required to meet the definition of an engineering control as defined in Section-2f(2) of the CT RSRs and may include clay lining, geo-textile fabric, and six millimeter plastic cover as well as a vegetated soil cover and/or a paved cover. Costs vary depending on the complexity of the design and materials used in the construction of the engineering control.

Impacted groundwater at the Site is not currently used for potable consumption and is not expected to be used because public water is available. Deed restrictions (i.e., ELUR) would be implemented for the area encompassed by the engineering control. An engineering control would be technically and administratively implementable, but would require legal action by the State of Connecticut for an ELUR at the Site.

6.1.2 BIOLOGICAL TREATMENT

Biological treatment technologies, or bioremediation, involve the use of natural subsurface processes to reduce the chemical concentrations. These processes include biodegradation and abiotic chemical reactions with subsurface materials. These biodegradation and chemical reactions include electron donation with consequent molecular transformation to reduce toxicity. The bioremediation processes being considered for the vadose zone and saturated zone soils are bioventing and biosparging, respectively.

The availability of oxygen is often a limiting factor in subsurface microbial activity. Therefore, the objective of bioventing is to supplement the subsurface oxygen with atmospheric air to increase the rate of naturally occurring biodegradation. TPH and SVOCs are the targeted contaminants for bioventing. Chlorinated VOCs are not readily degraded under aerobic bacterial biodegradation; therefore, when chlorinated VOCs are also present, SVE may be combined with bioventing to target TPH, SVOCs, and VOCs. The bioventing system is similar in construction to an SVE system in that the typical bioventing system includes air extraction or injection wells and a blower system. However, the objective of the bioventing system is to supply or induce a low flow of atmospheric or subsurface air to contaminated areas, whereas an SVE system is designed to produce a high flow mass extraction with ex-situ treatment of VOCs, if necessary. In extraction mode bioventing, the objective is to draw oxygen rich air within the surrounding

clean soils into the impacted soils to promote aerobic degradation. In injection mode, air is injected into the subsurface and allowed to diffuse from the well into the surrounding impacted soils, producing an aerobic environment. If needed, bioventing can be supplemented with nutrient addition, typically nitrogen and phosphorous, to optimize subsurface biodegradation conditions. This technology would be both technically and administratively implementable and could be implemented using commercially available equipment and construction techniques.

Biosparging technology involves the induced pumping of low volume air/oxygen into the saturated zone to enhance aerobic bacterial biodegradation of the contaminants dissolved in groundwater or adsorbed to soils below the water table. The biosparging system is similar in construction to an AS system, in that the typical biosparging system includes air injection wells and a blower system. Air is injected into the subsurface and allowed to diffuse from the well into the surrounding impacted soil producing an aerobic environment centered at the injection well. TPH and SVOCs are the targeted contaminants for biosparging. Chlorinated VOCs are not readily degraded under aerobic bacterial biodegradation; therefore, when chlorinated VOCs are also present, biosparging may be combined with AS to target TPH, SVOCs, and VOCs. If needed, biosparging can be supplemented with nutrient addition, typically nitrogen and phosphorous, to optimize subsurface biodegradation conditions. This technology would be both technically and administratively implementable and could be implemented using commercially available equipment and construction techniques.

6.1.3 PHYSICAL / CHEMICAL TREATMENT

SVE and AS Technologies: SVE involves extracting VOC-containing soil vapors from the unsaturated soils by inducing a high-flow vacuum. The components of a typical system are readily available commercially and include vapor extraction wells, header piping, vacuum blower, air/water separator and off-gas, and water treatment systems (if needed). Spacing and construction of the vapor extraction wells and vacuum induction rates are determined by the physical constraints of the Site. A dual phase system can be implemented to supplement vapor extraction. In the dual phase system, groundwater extraction and treatment is used in conjunction with vapor phase extraction to lower the groundwater table and allow for treatment of a deeper unsaturated zone.

The SVE system operates by applying a vacuum to the wells to create a negative pressure gradient within the subsurface soils. The negative pressure gradient causes the VOCs in the soil to mobilize and migrate through the voids in the soils to the extraction wells. The extracted VOC-containing vapors are conveyed to the surface, treated (if necessary), and discharged to the atmosphere. An ex-situ treatment system may consist of an air/water separator and vapor-phase carbon adsorption. If air/water separation is used, a separate water treatment train, also consisting of carbon adsorption (possibly with metals/solids pretreatment), may be needed. If a dual phase system is employed, the extracted water would also require on-Site treatment and disposal. This technology would be both technically and administratively implementable and could use commercially available equipment and construction techniques.

AS involves the injection of pressurized air into a contaminated aquifer so that air channels traverse horizontally and vertically through the soil column, creating an underground stripper that removes contaminants by volatilization. The air would carry the volatilized compounds to the unsaturated zone for capture using an SVE system. Further, increased levels of DO as a result of the AS process would enhance aerobic biodegradation of the contaminants.

Typical limitations to AS are: 1) subsurface heterogeneity can interfere with uniform air distribution, and 2) low permeability soils are difficult to treat. The time requirements for AS are typically short to medium term duration. This technology would be both technically and administratively implementable and could use commercially available equipment and construction techniques.

Chemical Reduction Technologies: Chemical reduction/stabilization is a chemical treatment process option for remediation of impacted soils. This technology would involve emplacing chemical reductants or stabilizers to alter the physical and/or chemical state of specific constituents present in the soil matrix. The reduction process can change the form of metals to make them less toxic and/or less leachable. Calcium polysulfide (CPS) is a chemical reductant that has been used for this type of remedial process.

This technology would be effective in reducing the mobility of the inorganic soil constituents. This technology may also be effectively implemented to reduce the leachability of the vadose and/or saturated zone metals at the Site. This technology would be both technically and administratively implementable and could use commercially available equipment and construction techniques.

Chemical Oxidation Technologies: Chemical oxidation involves the injection of chemical oxidants into impacted soils. The oxidants can cause a rapid and complete chemical destruction of many organic chemicals; other organics are amenable to partial degradation as an aid to subsequent bioremediation. The oxidants most commonly used are peroxide, ozone, and permanganate. In general, the oxidants have been capable of achieving high treatment efficiencies (greater than 90 percent) for unsaturated aliphatic (e.g., TCE) and aromatic compounds (e.g., benzene), with very fast reaction rates (90 percent destruction in minutes). Matching the oxidant and in-situ delivery system to the COCs and the site conditions is the key to successful implementation and achieving performance goals. This technology would be both technically and administratively implementable and could be implemented using commercially available equipment and construction techniques.

6.1.4 EXCAVATION

Excavation involves the physical removal of contaminated soil for disposal off-Site. The excavation pit left behind would require the placement of clean backfill material. The total removal of unsaturated contaminated soils is easily monitored while the excavation of saturated soils is more difficult to monitor and more costly for disposal due to the added weight of the moisture in the soil. This technology would be both technically and administratively implementable and could be implemented using commercially available equipment and construction techniques.

6.2 EVALUATION OF REMEDIAL ALTERNATIVES

The polluted fill exemption from the CT RSRs will be applied to the general coal ash related SVOCs and metals at the Site. The remaining soil impacts (not related to coal ash) above the

seasonal low water table will be remediated to meet the CT RSRs with respect to the GA PMC, as applicable. The Site is located within a CTDEP GA groundwater quality zone.

All impacted soil within 15 feet of the surface must comply with the CT RSRs residential DEC. An ELUR can be considered to restrict future access to soils below 4 feet, effectively reducing the zone of compliance for DEC to impacted soil within 4 feet of the surface.

Three remedial alternatives have been developed for the soils exceeding the CT RSRs at the Site. The alternatives include: 1) a technology combination approach with an ELUR, 2) a technology combination approach without an ELUR, and 3) an engineering control option.

Some specific areas of the site will be addressed separately from the above remedial options (as discussed in Sections 6.2.1 through 6.2.3), due to location or other practical issues. Sediment remediation issues are discussed in Section 8.0.

6.2.1 LOT 8A STRIP MALL PROPERTY – EXCAVATION

Criteria exceedances at the strip mall property have been delineated, as described in Section 5.3.3. In addition, the areas around SB10-6 (**Figure 35**), SB-18 (**Figure 37**), and SB-23 (**Figure 38**) were addressed through excavation in December 2006, as described in **Appendix F**.

6.2.2 OUTFALL PIPE BEHIND FORMER CONDOMINIUM BUILDING

The area of SVOC exceedance identified behind the former condominium building in the area of the pipe outfall will be addressed through excavation (see **Figure 10**). The associated costs for this activity are included in each of the soil alternatives.

6.2.3 BROOK BANK REMEDIATION AND STABILIZATION

Portions of the Broad Brook river banks that are adjacent to areas of known on-Site soil exceedance for DEC criteria will be addressed (as previously discussed in Section 5.5) if future soil sampling so dictates. As discussed in Section 4.5.5, additional surface soil sampling was conducted on the river banks in November 2009 (results are pending as of the date of this RAP) to further refine the delineation of potential DEC criteria exceedances, and document obvious

areas of black fill that may need to be addressed. This sampling information will be incorporated into the Soil/Sediment Remedy Work Plan.

The portion of the river banks that are in question are shown on **Figure 41** (Segment B and Segment D primarily, and potentially the northern portion of Segment C). The proposed remedy for the river banks will involve excavation and removal of black fill/DEC exceedances on the river banks and/or installation of an approved engineered barrier. Clean backfill will be placed in these locations, in order to prevent potential contact with impacted soils (if any).

River Bank Stabilization Methods: The final extent of any soil removal and/or engineered control along the river banks will be refined based on the recent surface soil sampling (conducted in November 2009), and on actual observations made during the remedy. A detailed river bank stabilization plan will be presented in the forthcoming Soil/Sediment Remedy Work Plan.

Vegetation is one of the most commonly used methods for stabilization, and it is proposed to be used in the treated areas along the river banks. River bank slopes of 1:2 or 1:3 (vertical rise: horizontal distance) are supportive of vegetative cover for erosion control, and are gentle enough to allow for general maintenance (i.e., mowing).

It is anticipated that gentle slopes can be achieved in all river bank segments that require treatment. However, if steeper slopes are required in some areas, terracing or benching methods would be employed as necessary. In addition, there are structural methods of stabilizing steeply sloping areas, which can employed in limited areas if required. Common methods are:

- **Riprap** consists of angular rocks which can be directly placed along the slope, or can be placed in wire baskets as a blanket over the slope. Riprap ”mattresses” are relatively flexible and allow for some settlement. Filter fabric or a drainage material is typically placed as an underlayment to prevent silt or fines from being washed away, and to allow for water seepage below the riprap.

- **Woody Vegetation** can be used for steeper slope protection. The woody vegetation (trees/shrubs) can also be combined with a structural system, such as articulated concrete blocks or hollow grids. The structure allows immediate short term slope protection, while allowing the vegetation to become established. Currently, most of the river banks are protected with wood vegetation, so this would blend into the surroundings.

Runoff Diversion: To protect the river bank slope (especially while vegetation is being re-established), and to prevent surface water runoff from eroding the river banks, additional erosion control methods can be employed. Runoff can be controlled by intercepting and diverting water away from the top of slope with diversion ditches or swales, earthen berms, or vegetation. The diverted runoff would be discharged into a stable area through pipes or ditches lined with riprap, etc. for erosion protection.

Cost Estimate: The approximate cost for the river bank stabilization is $200,000 and it will be implemented along with the selected soil remedial alternative.

6.2.3.1 Permit Requirement

Section C-1(c) of the Consent Order states that "any permits under sections 22a-32, 22a-42a, 220-342, 22a-361, 22a-368, and 22a-430 of the CGS" must be identified for each remedial action discussed in the RAP. Required permits under these sections of the CGS would include applicable wetlands permits for portions of the activities that encroach on the wetlands or wetlands buffer zones near the Broad Brook.

It is anticipated that local construction permits may be required in accordance with local and State ARARs.

6.2.3.2 ARARs

This remedy will meet all ARARs/TBCs that are pertinent. The ARARs (and TBCs), and how they will be met for this remedy, are summarized in **Tables 33 through 35**. These include (but are not limited to):

- Removal of sediments will comply with Section 10 of the Rivers and Harbors Act (33 U.S.C. 403) and U.S. Army Corps of Engineers regulations (33 CFR Parts 320-330).
- Water, if accumulated during the river bank stabilization, would be treated and discharged in compliance with the Federal Clean Water Act (30 U.S.C. 1251 et seq.) and its implementing regulations.
- The Fish and Wildlife Coordination Act requires that any federal agency proposing to modify a body of water must consult with the U.S. Fish and Wildlife Service. An enquiry to the CTDEP Natural Diversity Database was conducted in July 1998. Per the CTDEP, there is no record of threatened or endangered species within a one-mile radius of the Site.
- Sediment and Stormwater Controls During Implementation:
    - Sediment and stormwater controls will be used to comply with State regulations pursuant to Sections 22a-426 Water Quality Standards and 22a-430 Water Pollution Control of the RCSA.
    - The CT Guidelines for Soil Erosion and Sediment Control (CGS 22a-328, May 2002) will likely be applicable. The proposed remedial activity will not affect the floodplain or pose a flood hazard (pursuant to CGS 25-68b through and RCSA 25-68h-1 through 3). Proper sediment / stormwater controls will be employed to ensure minimal impact on the brook.
- Wetlands Protection:
    - These activities will be conducted within the Broad Brook and within the wetland buffer zone adjacent to the brook. Therefore, requirements pursuant to CWA Section 404 (33 U.S.C. 1344) and its implementing regulations, as well as CGS 22a-36 through 45, and 22a-45a (Surface Water and Wetlands – Inland Wetlands and Watercourses Act – General Permit Requirements) must be complied with.
    - The alteration of wetlands and the wetland buffer zone adjacent to the brook will be minimized to adhere to Federal Executive Orders 11988 & 11990 Floodplain Management and Protection of Wetlands (40 CFR Part 6 Appendix A).

6.2.4 ALTERNATIVE 1: SVE, BIOVENTING, AND EXCAVATION WITH ELUR

6.2.4.1 Approach description

This remedial alternative uses a combination of technologies to meet the CT RSRs, as discussed below.

SVE/Bioventing Approach: The soils exceeding DEC and PMC criteria will be treated using SVE and bioventing within the unsaturated zone soils. AS and biosparging are groundwater remediation technologies that are integrated with these soil remediation technologies, and they are discussed in Section 7.0. AS and biosparging will be used to treat both the soils below the groundwater table, as well as the groundwater itself.

The SVE and bioventing (including the AS and biosparging systems) will be designed to address identified areas for SVOCs, TPH (**Figure 43B**), and VOCs (**Figure 43C**). A field pilot study for these technologies has been conducted at the Site in 2008 to develop full-scale system design parameters.

The SVE and bioventing system will treat a volume of approximately 6,760 cubic yards of unsaturated soils. AS and biosparging will treat a volume of approximately 14,480 cubic yards of saturated soils. The cost to apply these technologies is estimated to be $1,700,000.

One limitation to this approach is that biodegradation of SVOCs related to the coal ash may not be possible (so these DEC areas may require excavation or isolation).

Metals Excavation Approach: Soils exceeding DEC for metals will be excavated. An ELUR will be used at the Site to prevent disturbance of soils below 4 feet from the ground surface. Therefore, soil exceeding DEC from 0 to 4 ft BGS will require treatment; however, DEC exceedances below 4 feet will be untreated. An additional ELUR for the Site will be required to ensure that buildings continue to cover the contaminated soils that may be present beneath the existing structures.

The volume of soil to be excavated for which metals exceed the DEC from 0 to 4 ft BGS is estimated to be approximately 6,620 cubic yards (**Figure 43A**). Based on the type and concentration of metals, the excavated soil may be characterized as a hazardous or listed waste, a special waste, or a non-hazardous waste. Waste characterization analyses will be completed on the excavated soils to characterize the soils and determine the appropriate disposal method.

The excavation alternative is only effective for soils that are accessible by excavation equipment, namely for soils located outside of the buildings and other Site structures. To ensure the remedial activities do not affect the surrounding community, the excavation would require measures to prevent migration of dust or airborne particles from the Site during soil handling. For the purposes of this RAP, the soil is assumed to be disposed of as non-hazardous waste. The estimated cost for the excavation component of Alternative 1 is $1,162,000.

Soil Alternative 1 Cost Estimate: **Table 40** provides details of the cost estimates for Alternative 1. The total estimated cost for Alternative 1 is $2,862,000. Alternative 1 is anticipated to have a moderate to high level of success for human health and environmental protection and community acceptance. This remedial alternative will also attain all federal and State ARARs that apply to the Site. **Appendices G and H** provide details of the soil remedy and cost analysis, respectively, for Alternative 1.

6.2.4.2 Permit Requirement

Section C-1(c) of the Consent Order states that "any permits under sections 22a-32, 22a-42a, 220-342, 22a-361, 22a-368, and 22a-430 of the Connecticut General Statutes (CGS)" must be identified for each remedial action discussed in the RAP. Required permits under these sections of the CGS would include applicable wetlands permits for portions of the activities that encroach on the wetlands or wetlands buffer zones near the Broad Brook.

It is anticipated that local construction permits, SVE system off-gas permits, and NPDES permits may be required in accordance with local, State, and federal ARARs.

6.2.4.3 ARARs

This remedy will meet all ARARs/TBCs, as summarized in **Tables 33 through 35**. Since most of the ARARs will apply to the majority of the proposed soil remedies, a detailed explanation of how the ARARs/TBCs are met for each soil alternative is discussed collectively in Section 6.2.7.

In addition, the following ARARs/TBCs specific to this remedial alternative will be complied with:

- Off-gas control systems and/or emission control procedures will be implemented for the remedial activities that involve potential discharge of potential air pollutants (e.g., SVE, bioventing systems), in compliance with RCSA standards (22a-174-20 and 29), NESHAPs (40 CFR Part 61), RCRA air emission standards (40 CFR Part 264.179), and the CAA (40 CFR Part 50); and,
- Any water discharges would likely be limited to condensate accumulated during SVE and bioventing operations, and will comply with the Connecticut Water Pollution Control Standards and permitting requirements (pursuant to CGS 22a-430 and 430b, RCSA 22a-430-1 to 8). Condensate would be treated prior to discharge (to sewer or surface water) as required by applicable permits, and this is a common practice for this technology. For surface water discharges, a NPDES permit would be required to be in compliance with the federal CWA (40 CFR Parts 122,124, and 125).

6.2.4.4 Schedule

It is estimated that the design and implementation of this alternative will take up to 12 months, with an active remedy timeframe of approximately five years.

6.2.5 .ALTERNATIVE 2: SVE, BIOVENTING, AND EXCAVATION WITHOUT ELUR

6.2.5.1 Approach Description

This remedial alternative is similar to Alternative 1 (refer to Section 6.2.4) except that an ELUR would not be implemented at the Site. As previously discussed, one limitation to this approach is that biodegradation of SVOCs related to the coal ash may not be possible (so these DEC areas may require excavation or isolation).

SVE/Bioventing Approach: The SVE and bioventing systems will be designed to address identified areas for SVOCs, TPH (**Figure 44B**), and VOCs (**Figure 44C**). A field pilot study for these technologies has been conducted to develop full-scale system design parameters.

SVE and bioventing system will treat a volume of approximately 6,880 cubic yards of unsaturated soils. The associated AS and biosparging systems will treat a volume of approximately 22,150 cubic yards of saturated soils (along with the associated groundwater, as discussed further in Section 7.0). The cost to apply these technologies is estimated at $1,736,000.

Metals Excavation Approach: The volume of soil to be excavated for which metals exceed the DEC from 0 to 15 ft BGS is estimated at up to 12,150 cubic yards (**Figure 44A**). Waste characterization analyses will be completed on the excavated soils to characterize the soils and determine the appropriate disposal method.

The excavation alternative is only effective for soils that are accessible by excavation equipment, namely for soils located outside of the buildings and other Site structures. To ensure the remedial activities do not affect the surrounding community, the excavation would require measures to prevent migration of dust or airborne particles from the Site during soil handling. For the purposes of this RAP, the soil is assumed to be disposed as non-hazardous waste. The estimated cost for the excavation component of Alternative 2 is $1,958,000.

Soil Alternative 2 Cost Estimate: **Table 40** provides details of the cost estimates for Alternative 2. The total estimated cost for Alternative 2 is $3,694,000. Alternative 2 is anticipated to have a moderate to high level of success for human health and environmental protection (with appropriate measures for the health and safety associated with the excavation) and community acceptance. This remedial alternative will also attain all federal and State ARARs that apply to the Site. **Appendices G and H** provide details of the soil remedy and cost analysis, respectively, for Alternative 2 of the soil remedy.

6.2.5.2 Permit Requirement

Section C-1(c) of the Consent Order states that "any permits under sections 22a-32, 22a-42a, 220-342, 22a-361, 22a-368, and 22a-430 of the CGS" must be identified for each remedial action discussed in the RAP. Required permits under these sections of the CGS would include applicable wetlands permits for portions of the activities that encroach on the wetlands or wetlands buffer zones near the Broad Brook.

It is anticipated that local construction permits, SVE system off-gas permits, and NPDES permits may be required in accordance with local, State, and federal ARARs.

6.2.5.3 ARARs

This remedy will meet all ARARs/TBCs, as summarized in **Tables 33 through 35**. Since most of the ARARs will apply to the majority of the proposed soil remedies, a detailed explanation of how the ARARs/TBCs are met for each soil alternative is discussed collectively in Section 6.2.7.

In addition, the following ARARs/TBCs specific to this remedial alternative will be complied with:

- Off-gas control systems and/or emission control procedures will be implemented for the remedial activities that involve potential discharge of potential air pollutants (e.g., SVE, bioventing systems), in compliance with RCSA standards (22a-174-20 and 29), NESHAPs (40 CFR Part 61), RCRA air emission standards (40 CFR Part 264.179), and the CAA (40 CFR Part 50); and,
- Any water discharges would likely be limited to condensate accumulated during SVE and bioventing operations, and will comply with the Connecticut Water Pollution Control Standards and permitting requirements (pursuant to CGS 22a-430 and 430b, RCSA 22a-430-1 to 8). Condensate would be treated prior to discharge (to sewer or surface water) as required by applicable permits, and this is a common practice for this technology. For surface water discharges, a NPDES permit would be required to be in compliance with the federal CWA (40 CFR Parts 122,124, and 125).

6.2.5.4 Schedule

It is estimated that the design and implementation of Alternative 2 will take up to 12 months, with an active remedy timeframe of approximately five years.

6.2.6 ALTERNATIVE 3: SOIL COVER/ENGINEERING CONTROL

6.2.6.1 Approach Description

Based on the significant soil volumes requiring remediation and the significant area over which the remediation will need to be applied, a physical cap consisting of soil cover and/or other engineered physical barrier/engineering control is considered an applicable remedial alternative for the Site. An engineering control will be required to meet the requirements as specified in Section-2(f)2 of the CT RSRs.

The engineered control would be designed to eliminate direct contact with soils that exceed the DEC per the CT RSRs. Also, since the PMC exceedances related to the coal ash material may be exempted based Section 2(c)(4)(C) of the CT RSRs (Polluted Fill Exemption), the engineered control would not need to be impermeable (i.e., to prevent leaching).

PMC exceedances related to non-coal ash sources (i.e., PSCAs) would be addressed through SVE or bioventing. The SVE or bioventing systems to specifically deal with the PSCA related contaminants are integrated with the groundwater remedies discussed in Section 7.0.

Figure 45 presents the proposed area requiring the application of an engineering control. The site cover boundary is based on the maximum extent of all soil DEC exceedances.

Soils currently under the footprint of the remaining mill buildings meet the CT RSRs for direct exposure pathway and leaching to groundwater, as long as the concrete building floor is well-maintained.

PMC exceedance areas of chromium related to the PSCA areas (i.e., non-coal ash related, see **Figures 34 and 43A**) may either be excavated, or treated in conjunction with the Groundwater Remedial Alternative 1 (see Section 7.3).

In accordance with the CT RSRs, an ELUR would be implemented over the area covered by the engineering control and the buildings. The boundary of the engineering control will be integrated with the Broad Brook river bank stabilization efforts.

Soil Alternative 3 Cost Estimate: The estimated cost of the engineering control option is $2,410,000. As previously discussed, contamination related to VOCs non-coal ash related SVOCs, and TPH would be addressed through SVE and bioventing which will be conducted in conjunction with portions of the groundwater remedy.

Table 40 provides the detailed estimated costs evaluated for capping the Site, including the pre- and post-capping activities. Alternative 3 is anticipated to have a high level of success for human health and environmental protection (with appropriate measures for the health and safety associated with the excavation) and community acceptance. This remedial alternative will also attain all federal and State ARARs that apply to the Site. **Appendices G and H** provide details of the soil remedy and cost analysis, respectively, for Alternative 3 of the soil remedy.

6.2.6.2 Permit Requirement

Section C-1(c) of the Consent Order states that "any permits under sections 22a-32, 22a-42a, 220-342, 22a-361, 22a-368, and 22a-430 of the CGS" must be identified for each remedial action discussed in the RAP. Required permits under these sections of the CGS would include applicable wetlands permits for portions of the activities that encroach on the wetlands or wetlands buffer zones near the Broad Brook.

It is anticipated that local construction permits may be required in accordance with local and State ARARs.

6.2.6.3 ARARs

This remedy meets all ARARs/TBCs, as summarized in **Tables 33 through 35**. Since most of the ARARs will apply to the majority of the proposed soil remedies, a detailed explanation of how the ARARs/TBCs are met for each soil alternative is discussed collectively in Section 6.2.7.

In addition, the following ARARs/TBCs specific to this remedial alternative are discussed in Table 33 including:

- All applicable portions of federal capping regulations (40 CFR Parts 264.228(a,b), 264.117(c), and 264.310(b));
- All applicable portions of federal regulations pertaining to surface impoundments (40 CFR Part 264.288(a)), waste piles (40 CFR Part 264.258(b)), and landfills (40 CFR Part 264.310(a));
- Federal requirements pertaining to closure with waste in place (40 CFR Parts 264.228(a), 264.258(b), and 264.310); and,
- Any water discharges would likely be limited to storm water run-off and will comply with the CT Water Pollution Control Standards and permitting requirements (pursuant to CGS 22a-430b). The final grade of the site will remain natural cover, and so the current site drainage patterns are not expected to be significantly altered by this approach.

6.2.6.4 Schedule

It is estimated that the design and implementation of Alternative 3 will take up to 12 months. The engineering control will need to be maintained for as long as required and a 30 year time frame is assumed for the cost analysis.

6.2.7 ARARs/TBCs Pertinent To All Soil Alternatives

All three remedial alternatives will meet the federal and State action-specific, chemical-specific, and location-specific ARARs and TBCs (presented on **Tables 33 through 35**). The primary ARARs that apply to all three remedial alternatives are discussed in this section. Specific ARARs that applied to specific remedial alternatives were discussed within the individual remedial alternative's section.

6.2.7.1 Federal ARARs/TBCs

The management of any hazardous wastes associated with the soil remedial alternatives will comply with all applicable federal RCRA regulations. The generation, handling, labeling,

manifesting, and transportation of hazardous wastes during excavation and drilling activities will comply with all applicable parts of RCRA standards (40 CFR Parts 260 through 263) and federal Department of Transportation (DOT) standards (49 CFR Parts 107 and 171-179).

All RCRA regulations pertaining to container storage (40 CFR Parts 264.171 through 264.178 and 268.50) and excavation (40 CFR Part 268, subpart D) will be adhered to during excavation, storage, and disposal of hazardous wastes.

Hazardous wastes will be deposited in appropriate lined, waste containers, or appropriately designed waste piles, as applicable (per RCRA 40 CFR Parts 264.250 through 264.259 and 268.2). Hazardous waste requiring disposition will meet the specific standards regarding land disposal restrictions promulgated under all applicable subparts of 40 CFR Part 268.

Prior to the shipment of any hazardous substances, pollutants, or contaminants from the Site to an off-site receiving facility, EPA certification that the proposed receiving facility is operating in compliance with the requirements of CERCLA Section 121(d)(3) and 40 CFR 300.400 will be obtained. In addition, EPA will be notified of the proposed receiving facility at least three weeks prior to the expected date of shipment.

All applicable OSHA regulations will be maintained during the remedial activities. Any occupational injuries and illnesses will be recorded and reported according to OSHA 29 CFR Part 1904. All employees involved with any remedial activity will have the necessary training and medical monitoring (pursuant to OSHA 29 CFR Part 1910). Safety precautions specified in OSHA 29 CFR Part 1926 will be followed during any on-Site construction and excavation activities.

Measures will be taken to control potential particulate matter during drilling and excavation activities, particularly with the landscaping activities associated with the application of a surface cover/engineering control (Alternative 3), in accordance with NAAQS (40 CFR Part 50.1-50.12) and the CAA (40 CFR Part 50).

The NHPA will be complied with throughout all remedial activities. The SHPO has been contacted and has determined that the proposed remedial alternatives will have no effect on any historic components remaining on the site. However, if demolition of the former powerhouse building is conducted, the SHPO will require that the structure be professionally documented prior to demolition. None of the soil remedies include demolition or altering existing mill buildings or other old structures.

Surface water control requirements (per 40 CFR Parts 264.251(c)(d), 264.273(c)(d), and 264.301(c)(d)) will be adhered to during all remedial activities.

Post-closure monitoring is included in all of the remedial alternatives, in compliance with 40 CFR Part 264.310.

6.2.7.2 State of Connecticut ARARs/TBCs

The management of hazardous wastes associated with the soil remedial alternatives will also comply with State regulations pursuant to Sections 22a-449(c)-11 and 100 through 110 of the RCSA. Any wastes generated during remedial activities will comply with the State of Connecticut's land disposal restrictions (pursuant to RCSA 22a-449(c)-108) and permitting requirements (pursuant to RCSA 22a-449(c)-110).

Although certain waste types such as waste oil and used oil are not anticipated during remedial activities, RCSA regulations 22a-449(c)-106 and 119 will be followed should these types of wastes be encountered. No PCBs in exceedance of applicable criteria have been identified at the Site; however, if encountered, the statutes for disposition of PCBs will be followed (CGS 22a-463 through 469). Although not anticipated, if asbestos is encountered during remedial activities, abatement regulations will be complied with (CGS 19a-332, RCSA 19a-33a-1 though 16, RCSA 20-440-1 through 9, and RCSA 20-441-1).

Any objectionable odors or noises that may arise during remedial activities will be minimized (pursuant to RCSA 22a 174-23, CGS 22a-67 to 76, and RCSA 22a-69-1 to 7.4). If any new environmental hazards are encountered, the appropriate parties will be notified in compliance

with CGS 22a-6u. Any spills that occur during remedial activities will be reported to the DEP (per CGS 22a-450).

All drilling activities associated with the soil remedial alternatives will be conducted in accordance with State regulations and permitting requirements (per RCSA 25-128-33 through 64 and CGS 25-126 through 137). Utility markouts will be requested at least three days prior to any drilling or excavation activities through the "Call Before You Dig" clearing house (RCSA 16-345-1 to 9). The CTDEP Guidance on Utility Company Excavation (January 30, 2001) will also be followed since impacted soils are expected to be encountered during the remedial activities.

The CT Guidelines for Soil Erosion and Sediment Control (CGS 22a-328, May 2002) will also be followed to minimize soil erosion during remedial activities. Parts of the Site are located within a 100-year flood zone. No remedial activities will adversely affect the floodplain or pose a flood hazard (pursuant to CGS 25-68b through h and RCSA 25-68h-1 through 3).

Portions of Site activities will be conducted within the wetland buffer zone adjacent to the Broad Brook. Therefore, requirements pursuant to CGS 22a-45a (Surface Water and Wetlands – Inland Wetlands and Watercourses Act – General Permit Requirements) will be complied with for minor activities causing disturbances in soils and groundwater near surface water bodies. Discussions between CTDEP and the Town of East Windsor have already occurred regarding obtaining the necessary wetland permits (and other Town permits), and these ARARs will be met.

Measures will be taken to control potential particulate matter during drilling and excavation activities and any landscaping activities associated with the application of an engineering control/cap (Alternative 3), in accordance with RCSA standards (22a-174-3a and 18).

All of the selected remedies are capable of achieving the required cleanup goals and will comply with RSRs and Revisions to RSRs (pursuant to RCSA 22a-133k 1-3).

6.3 PROPOSED SOIL REMEDIAL ALTERNATIVE

6.3.1 RATIONALE

Each of the three alternatives presented in Section 6.2 above are expected to meet the CT RSRs and ARARs/TBCs. Each alternative is expected to be moderately to highly acceptable to the community.

Alternatives 1 and 2 will remove soil contaminant exceedances either by treatment or excavation. However, as previously discussed, some of the coal ash related SVOCs may not be addressed by the treatment options, and would therefore require additional excavation (increasing the cost of these alternatives). Also in-situ treatment of the surface soils will require several years of system operation before a level of protection from potential contact with soils is achieved.

Alternative 3 will allow for immediate isolation of the coal ash related DEC impacts from potential contact. Coal ash is commonly addressed in this fashion in the State of Connecticut, and the soil impacts related to the coal ash meet the applicable Pollute File Exemption under the CT RSRs. In addition, other contaminants source areas related to the modern industrial operations (including VOCs, non-coal ash related VOCs, TPH, and potential PSCA related chromium impacts in soil) will be remediated in conjunction with the groundwater remedial alternatives discussed in Section 7.0.

Therefore, Alternative 3 is recommended since it will provide the most effective protection of health and the environment, and will promote beneficial property re-use for the community as a whole. The combination of the engineering control to create a physical barrier, and an ELUR to prevent disturbance of this barrier, would eliminate potential risk via direct contact exposures to this media. An ELUR will be implemented at the Site to restrict access to soils greater than four ft BGS and soils under the building.

As shown on **Table 40**, Alternative 3 provides a cost savings over Alternatives 1 and 2. A detailed schedule for implementation of Alternative 3 is provided in Section 9.0 of this RAP.

6.3.2 IMPLEMENTATION OF ALTERNATIVE 3: SOIL COVER/ENGINEERING CONTROL

Alternative 3 includes an engineering control over the area of the Site impacted with SVOCs, TPH, and metals exceeding the DEC criteria. The capping components will be required to meet the definition of an engineering control from the RSRs.

In order for the successful installation of an engineering control to occur, additional activities must be performed prior to and after construction. The following gives a brief outline of these activities as they pertain to the Site:

- Thorough brush clearing and trash removal;
- Perform a review of final Site grade to determine if soils in areas of the Site need to be consolidated before capping in order that the Site will be suitable for future redevelopment;
- Consideration of existing pavement: Unwanted paved areas are typically not suitable for integration into a final site cover, but may possibly be used as surface cover. The pavement as existing may not meet the definition of the CT RSRs, and may not integrate from a final Site grading perspective into the construction of a Site cover without modification. Use of existing pavement in the final Site grading plan will be considered;
- Proper grading and drainage: The final grade of the Site will be designed so as to not significantly alter the current drainage patterns of the Site. In order for the Site to effectively divert the infiltrating rain water from entering the source area, proper grading and drainage technologies will be implemented. A network of drainage swales, pipes, and culverts will be engineered into the design of the final grade, if required;
- Proper vegetative growth and landscaping: Once the cap has been installed, a layer of vegetative growth would be installed on top of the cap topsoil that is unpaved. This layer will help to keep the integrity of the overburden cap materials. In addition, the vegetation acts as a secondary capture system for infiltrating rain water. Proper vegetative growth will include, but is not limited to, hydro seeding and landscaping with shrubs, bushes, and/or trees, and,
- Annual maintenance: Following the installation of the cap and its components, yearly cap maintenance will take place. On-Site activities may include yearly landscaping and

vegetative growth maintenance, repair of pavement, etc.. A maintenance plan will be developed and implemented following construction of the soil cover.

As previously discussed, PMC exceedance areas of chromium related to the PSCA areas (i.e., non-coal ash related, see **Figures 34 and 43A**) may either be excavated, or treated in conjunction with the groundwater remedial Alternative 1 (see Section 7.3).

6.3.3 SCHEDULE

As per Section C.1.e of the Consent Order, the Soil/Sediment Remedy Work Plan (which will include Broad Brook river bank and sediment remedy details) would have been due 60 days after receipt of the CTDEP funding for the Orphan Share portion of the remediation (initial funding was received in mid-2008). However, it is proposed that the Soil/Sediment Remedy Work Plan be submitted within 60 days after the approval of this RAP. This is requested because a detailed work plan is contingent upon the approval of the soil remedy in this RAP.

7.0 GROUNDWATER REMEDIATION PLAN

Section 7.1 provides an overview of the applicable remedial technologies being considered for remediation of the Site groundwater. Specific remedial alternatives are presented in Section 7.2. The recommended groundwater remedial alternative is presented in Section 7.3.

A discussion of the ARARs/TBCs that are specifically applicable to the remedial alternatives are included in this section. Refer to Section 5.2 for a general overview of the ARARs/TBCs.

As discussed in Section 5.4 of the RAP, the groundwater at the Site is impacted in areas to levels that exceed the CT RSRs for metals (cadmium, chromium, and lead), TPH, SVOCs (acenaphthylene, benzo(a)anthracene, benzo(b)fluoranthene, and phenanthrene), and VOCs (1,1-DCE, 1,1,1-TCA, TCE, PCE, and vinyl chloride).

Table 41 summarizes the COCs for the groundwater at the Site. The identified COCs that exceed the CT RSRs in the groundwater are considered in the selection and evaluation of the appropriate remediation technologies and alternatives for the Site.

7.1 EVALUATION OF REMEDIAL TECHNOLOGIES

Remedial technologies and process options were identified based on a review of available literature. In addition, select technology/process option vendor information was consulted to identify additional candidate technologies that are potentially applicable for addressing the COCs in groundwater. Based on the review of literature/vendor information, the type of media, identified contaminants present in the groundwater, and CT RSRs/ARARs, a list of remedial technologies considered applicable for groundwater were developed and are presented below:

- AS with SVE;
- Biosparging;
- Hydraulic Containment;
- Permeable Reactive Barrier (PRB);
- Electro-kinetics; and,

- Chemical Injection

The technologies listed above are briefly described in the following subsections.

7.1.1 BIOSPARGING

Biosparging technology involves the induced pumping of a low volume of air/oxygen into the saturated zone to enhance aerobic bacterial biodegradation of the contaminants dissolved in groundwater or adsorbed to soils below the water table. A biosparging system is similar in construction to an AS system in that the typical biosparging system includes air injection wells and a blower system. TPH and SVOCs are the targeted contaminants for biosparging. Chlorinated VOCs are not readily degraded under aerobic bacterial biodegradation; therefore, when chlorinated VOCs are also present, biosparging may be combined with AS to target TPH, SVOCs, and VOCs. If needed, biosparging can be supplemented with nutrient addition, typically nitrogen and phosphorous, to optimize subsurface biodegradation conditions. This technology would be both technically and administratively implementable and could be implemented using commercially available equipment and construction techniques.

7.1.2 AS WITH SVE

AS is a remediation technology primarily applied for the removal of VOCs from groundwater. AS can promote remediation by a series of physical, chemical, and biological processes. Conceptually, the standard process consists of clean air injection beneath the water table to induce mass transfer of VOCs to a vapor phase. The primary action of AS is to strip VOCs from the subsurface. A secondary benefit from air stripping is aerobic biodegradation from the increase of oxygen in the subsurface. Contaminated vapors created through the sparging process then migrate from the saturated zone to the vadose (unsaturated) zone. To capture and control the potential migration of VOC vapors, SVE is often applied in conjunction with AS. The SVE system operates by applying a vacuum to the wells to create a negative pressure gradient within the subsurface soils. The negative pressure gradient causes the VOCs vapors created by the AS to migrate through the voids in the soils to the extraction wells. In this combined system, the sparged vapors are collected by the SVE wells and are then subjected to ex-situ treatment (if necessary) such as carbon adsorption, catalytic oxidation, or biofiltration.

Limitations to AS are: 1) subsurface heterogeneity can interfere with uniform air distribution, and 2) low-permeability soils are difficult to treat. The time requirements for AS are typically short to medium duration. These technologies would be both technically and administratively implementable and could be implemented using commercially available equipment and construction techniques.

7.1.3 HYDRAULIC CONTAINMENT

Hydraulic containment is one of the most widely used groundwater remediation technologies. Conventional hydraulic containment (commonly called pump and treat) relies on pumping contaminated groundwater from the subsurface for ex-situ treatment prior to discharge and/or reinfiltration. Hydraulic containment can be augmented with SVE systems or the installation of physical barriers, such as sheet pile or slurry walls. One of the primary objectives of hydraulic containment systems is to control the movement of contaminated groundwater to reduce or eliminate further expansion of an impacted groundwater plume. Hydraulic containment would target the groundwater contaminants at the Site (e.g., VOCs, SVOCs, TPH, and metals). This technology would be both technically and administratively implementable and could be implemented using commercially available equipment and construction techniques.

7.1.4 PERMEABLE REACTIVE BARRIER (PRB)

A PRB is a chemical treatment technology for addressing groundwater contamination at a site and the technology is most typically applied to sites were chlorinated VOCs are the main concern. As water flows through a zero-valent iron (ZVI) barrier (one of the most common PRB reactive media), alkane and alkene contaminants are degraded, adsorbed, or precipitated, depending on the oxidation-reduction reaction that occurs when the chlorinated solvents contact the metallic iron in the absence of oxygen. The result is non-toxic chloride and simple hydrocarbons, such as methane, ethane, and ethene. ZVI has a documented ability to rapidly destroy chlorinated VOCs. ZVI has also been shown to be effective in reducing dissolved concentrations of some metals, including arsenic and chromium.

7.1.5 ELECTRO-KINETICS

Electro-kinetic remediation affects the migration of a wide range of COCs in the subsurface by creating an electric field with a low voltage current. An electrical potential is created between electrode pairs placed on each side of the contaminated media, which results in the separation and extraction of contaminants from impacted media, including groundwater, saturated and unsaturated soils, sludges, and sediments. Electro-kinetics is particularly applicable to low permeability materials, and prior to its implementation at a site, several tests must be completed to assess its applicability. It is a technology that has been shown to treat a wide range of contaminants, although metals precipitation close to the cathode has been a problem in field applications.

7.1.6 CHEMICAL INJECTION

The injection of specific chemicals to the subsurface can be an effective method for treating metals in groundwater (and soils). For application at the Site, two different chemicals, CPS and metals reducing compound (MRC), were considered for the remediation of the metal COCs.

CPS is a chemical compound that reduces the oxidation state of metals to form insoluble precipitates in groundwater. Chromium is a target compound at the Site and is the primary metal of concern for the CPS injection. Chromium exists in two forms that are dependent on its oxidation state. Trivalent chromium [Cr (III)] is less toxic, relatively immobile, and insoluble. Cr (VI) is much more toxic, mobile, and soluble in water. CPS works to reduce the oxidation state of Cr (VI) to its less toxic, less mobile trivalent ion form Cr (III). Following the reduction of the Cr (VI) to Cr (III), a chromium hydroxide product will form that will be virtually immobile in the groundwater. An example of this reaction is presented below:

$$2CrO_4^{2-} + 3CaS_5 + 10H^+ \rightarrow 2Cr(OH)_{3(S)} + 15S_{(S)} + 3Ca^{2+} + 2H_sO$$

Other metals that will be affected by the injection of the CPS include, but are not limited to, cadmium, copper, lead, and zinc. In the case of these metals, a similar reaction will occur and the reduction of the metals will form immobile precipitates. In addition, the CPS will help remove chlorinated VOCs from the groundwater through chemical reduction. The CPS

application may potentially temporarily mobilize arsenic due to reducing conditions created by CPS. However, arsenic precipitates back into immobile form as it travels outside the area of influence by the CPS.

MRC is a slow-release metals remediation product that is available for the removal of dissolved metals from groundwater. The active ingredient in MRC is an organosulfur compound that reacts with metal ions to form a complex that is strongly adsorbed to soil and is immobile in the subsurface. MRC also serves as a substrate to enhance reductive dechlorination processes for the removal of chlorinated VOCs.

7.2 EVALUATION OF REMEDIAL ALTERNATIVES

The Site is located within a CTDEP GA groundwater quality zone; therefore, groundwater must be remediated to meet the CT RSRs with respect to the GA criteria (achieving background is not required as the Site meets the RSR requirements to allow treatment to the GA criteria).

Figure 40 presents the areas of groundwater exceedances of the CT RSRs at the Site. A review of **Figure 40** shows that there are a few hot spot areas and a low level diffuse plume (that exceeds the CT RSRs) across the Site. The overall approach to achieve the groundwater related CT RSRs is to remediate the hot spots that represent the source of the measured groundwater impacts and to allow the diffuse plume to attenuate when the groundwater source areas and soils are treated at the Site.

Three remedial alternatives have been developed for the groundwater hot spots exceeding the CT RSRs at the Site. The alternatives include: 1) an active technology combination approach, 2) a combination technology approach that uses a passive PRB combined with select active in-situ technologies, and 3) a hydraulic containment only option. The approach for each of the remedial alternatives at the Site is described in this section, as well as associated permit requirements and preliminary schedules.

7.2.1 ALTERNATIVE 1: AS WITH SVE, BIOSPARGING, AND CPS INJECTION

This remedial technology application includes the use of AS with SVE to target VOCs, biosparging for TPH and SVOCs, and chemical injection for target metals remediation. These technologies can be used effectively in conjunction with the technologies proposed for remediation of contaminated soils in the saturated zone at the Site as presented in Section 6.0.

7.2.1.1 Approach Description

CPS would be injected to target metals in groundwater exceeding the CT RSRs (**Figure 46A**). AS with SVE and biosparging would be applied to target areas where TPH, SVOCs, and VOCs concentrations exceed the CT RSRs (**Figure 46B**). Areas with saturated zone soil COCs exceedances of the CT RSRs in the vicinity of the targeted monitoring wells were considered to be the source of groundwater exceedances; therefore, they were also included in the area for application of the remedial technology. Saturated zone soils which had measured exceedances of the CT RSRs that did not have an associated groundwater exceedance were not targeted.

Biosparging and AS with SVE require injection wells for the delivery of air/oxygen to the subsurface and extraction wells to capture any vapors that are sparged to the unsaturated soils. Although AS and biosparging are similar technologies with respect to process equipment and implementation, the rates of injection of the air/oxygen and the remedial technology objective have significant differences. AS relies on the relatively rapid flow of injected air to volatilize VOCs and allows the physical removal of the VOCs, while biosparging is based on the slow release of air/oxygen to oxygenate the groundwater to enhance aerobic biodegradation of organic compounds such as TPH and SVOCs. SVE is typically required in conjunction with AS systems to capture and treat the stripped VOCs but SVE is not usually proposed as part of a biosparging system as the objective of the biosparging system, is to destruct the COCs in-situ and not to strip them from the saturated soils.

Chemical injection would be applied to the target metals groundwater hot spots at the Site. The CPS solution would be injected into the target hot spots to immobilize metals in groundwater at the four targeted areas (**Figure 46A**).

A field pilot study for the technologies will be conducted to develop full-scale system design parameters (AS/SVE testing has already been completed as of late 2008). Following a pilot test for the three technologies at the Site, a full-scale AS with SVE/biosparging/CPS injection remediation technology combination would be designed and implemented.

As previously discussed, PMC exceedance areas for chromium related to the PSCA areas (i.e., non-coal ash related, see **Figures 34 and 43A**) may either be excavated, or treated in conjunction with the Groundwater Remedial Alternative 1 (see Sections 6.2.6 and 6.3).

Groundwater Alternative 1 Cost Estimate: The total estimated cost for this alternative is $1,300,000. **Table 42** summarizes these costs and details are provided in **Appendix H**. Alternative 1 is anticipated to have a moderate to high level of success for human health and environmental protection and community acceptance. This remedial alternative will also attain all federal and State ARARs that apply to the Site.

7.2.1.2 Permit Requirement

Section C-1(c) of the Consent Order states that "any permits under sections 22a-32, 22a-42a, 220-342, 22a-361, 22a-368, and 22a-430 of the CGS" must be identified for each remedial action discussed in the RAP. Required permits under these sections of the CGS would include applicable wetlands permits for portions of the activities that encroach on the wetlands or wetlands buffer zones near the Broad Brook. It is anticipated that local construction permits may also be required in accordance with local, State, and federal ARARs.

It is anticipated that local construction permits, SVE system off-gas permits, and NPDES permits may be required in accordance with local, State, and federal ARARs. These are common requirements for application of this technology so these requirements will be met.

7.2.1.3 ARARs

This remedy meets all ARARs/TBCs, as summarized in **Tables 33 through 35**. Since most of the ARARs will apply to the majority of the proposed groundwater remedies, a detailed

explanation of how the common ARARs/TBCs for all the groundwater alternatives are met is presented in Section 7.2.4.

In addition, the following ARARs/TBCs specific to this remedial alternative will be complied with:

- The subsurface injection of CPS will be appropriately permitted and implemented in accordance with Underground Injection Control standards (40 CFR sections 144.12, 144.13, 144.13(c), and 144.16), as applicable; and,
- CPS will be handled in accordance with State permitting requirements (CGS Section 22a-454).

7.2.1.4 Schedule

It is estimated that the design and implementation of Alternative 1 would take six to twelve months, with a remedy timeframe of two to three years following implementation of the soils remediation.

7.2.2 ALTERNATIVE 2: PERMEABLE REACTIVE BARRIER, AS WITH SVE, AND BIOSPARGING

This remedial alternative includes the use of a combination of technologies: PRB, AS with SVE, and biosparging. A PRB constructed at the Site would passively treat the COCs in groundwater that flows through the PRB. Therefore, COC concentrations in downgradient groundwater would be reduced and potential migration of COCs into Broad Brook would decrease. ZVI can be used to treat the organic COCs, as well as the metals present in the impacted groundwater at the Site. The proposed location of the PRB will not cover each of the suspected discharge areas from the Site, so AS with SVE and biosparging technologies would be applied to those areas of the Site where the potential exists for groundwater in exceedance of the CT RSRs to discharge to Broad Brook without passing through the PRB.

7.2.2.1 Approach Description

The application of the PRB technology at the Site would allow the impacted groundwater to flow through a high permeability barrier containing ZVI. **Figure 47** shows the proposed placement of

the ZVI barrier at the Site. The PRB would be approximately 125 feet long and would need to penetrate between 10 and 15 feet in depth from the top of the water table (at approximately 6 to 10 ft BGS), to a total depth of approximately 16 to 25 ft BGS. The PRB wall thickness would be determined by the groundwater COCs concentrations and the groundwater velocities (i.e., contaminant flux) and is estimated to be 3.2 feet. Design considerations must also ensure capture and treatment of the contaminant plume both vertically and horizontally within the PRB.

The presence of the dam on Broad Brook influences the flow of groundwater at the Site, as described in Section 3.4.6. The dam increases the elevation of surface water in the brook; therefore, the gradients north of the dam do not allow groundwater to enter Broad Brook. South of the dam, the elevation of surface water is lower than the groundwater, and the majority of the Site groundwater flows into the brook in this area. The placement of the ZVI barrier at the dam ensures that impacted groundwater at the Site would flow through the treatment zone prior to entering Broad Brook. Some groundwater would exit the Site to Broad Brook further south of the dam and PRB, but quarterly groundwater monitoring has shown that groundwater in this area (i.e., MW-5, MW-11S/D, and MW-12) does not exceed groundwater criteria and therefore, does not require treatment.

Quarterly monitoring has identified two hot spot locations of SVOCs, TPH, and VOCs at MW-1 and MW-35D. Monthly stream gauging and groundwater level monitoring (Section 3.4.6) indicates that, at times, groundwater flows towards Broad Brook in the area near SGX-4 (**Figure 47**). Therefore, contamination observed at MW-1 and MW-35D has the potential to enter Broad Brook without being treated by the PRB located at the dam further south. As part of remedial Alternative 2, it is proposed to apply biosparging at MW-1 and AS with SVE at MW-35D to target the appropriate COCs in groundwater in exceedance of the CT RSRs at these locations (**Figure 47**).

This combination of technologies would successfully contain impacted groundwater that exceeds the CT RSRs at the Site and reduce the COCs loading to Broad Brook.

Groundwater Alternative 2 Cost Estimate: The total estimated cost for Alternative 2 is $1,557,000; a cost summary is provided in **Table 42** and details are provided in **Appendix H**. Alternative 2 is anticipated to have a moderate to high level of success for human health and environmental protection and community acceptance. This remedial alternative will also attain all federal and State ARARs that apply to the Site.

7.2.2.2 Permit Requirement

Section C-1(c) of the Consent Order states that "any permits under sections 22a-32, 22a-42a, 220-342, 22a-361, 22a-368, and 22a-430 of the CGS" must be identified for each remedial action discussed in the RAP. Required permits under these sections of the CGS would include applicable wetlands permits for portions of the activities that encroach on the wetlands or wetlands buffer zones near the Broad Brook. It is anticipated that local construction permits may also be required in accordance with local, State, and federal ARARs.

7.2.2.3 ARARs

This remedy meets all ARARs/TBCs, as summarized in **Tables 33 through 35**. Since most of the ARARs will equally apply to this and the other two proposed groundwater remedies, a detailed explanation of how the ARARs/TBCs are met for each groundwater alternative is presented in Section 7.2.4.

7.2.2.4 Schedule

It is estimated that the design and implementation of Alternative 2 would take six to twelve months. Considering the hydraulic characteristics of the aquifer and the locations of the COCs in the plume, and for the purposes of the RAP, it is estimated that the time required to achieve compliance with the CT RSRs using this option would be approximately 30 years.

7.2.3 ALTERNATIVE 3: HYDRAULIC CONTAINMENT

Hydraulic containment is used for the control and removal of groundwater contaminants, including the metal and organic COCs. Hydraulic containment will reduce/eliminate expansion of the COCs impacted plume within the treatment area. However, it is well established that this

approach is limited with respect to the treatment of the source of the COCs exceedance of the CT RSRs in groundwater and will only be effective at containment while the system is operational.

7.2.3.1 Approach Description

A pump and treat approach at the Site would utilize groundwater extraction wells to control the migration of groundwater hot spots in exceedance of the CT RSRs. The overall approach to achieving the groundwater-related CT RSRs is to remediate the soil/groundwater hot spots that represent the source of the measured groundwater impacts and to allow the diffuse plume to attenuate when the groundwater source areas and soils are contained/treated. The pump and treat technology would, over the long term, reduce groundwater concentrations of the target COCs, including the organic compounds and metals. A pump and treat system could also be designed to prevent groundwater concentrations of the COCs from discharging towards Broad Brook.

Figure 48 shows the proposed extraction well locations for the targeted hot spot contaminant areas at the Site using the pump and treat approach. Three wells would be placed in the area west of the dam, with an additional five wells located in areas of criteria exceedances around the Site. Wells would use a submersible pump that is capable of pumping at a rate sufficient to create the capture zone(s) necessary at each location to control the migration of target COCs impacted groundwater.

The wells would be installed in the overburden materials to a depth of at least the top of the bedrock. At locations where the saturated thickness of the overburden material is not sufficient to create adequate drawdown and maintain enough water in the well for operation of the pump, the well would be installed with a sealed sump into the bedrock.

After pumping, the contaminated groundwater would be treated at the surface. Typical removal of metals uses precipitation with hydroxide, carbonates, or sulfides. Generally, the precipitating agent is added to water in rapid-mixing tanks along with flocculating agents such as alum, lime, and/or various iron salts. The precipitated metals would be removed from the water and transported to an appropriate off-Site disposal facility in accordance with the ARARs. VOCs

would be removed from the groundwater using an air-stripper from which the off-gas would be treated, if required, and/or carbon adsorption.

Prior to the installation of any pump and treat systems at the Site, additional monitoring would be conducted to confirm the areas at which exceedances of applicable criteria for groundwater exist. During this process, additional data necessary to optimally design the systems would be collected, and pumping tests would be performed.

Groundwater Alternative 3 Cost Estimate: The total estimated cost for this alternative is $1,547,000, based on a 30-year operating period. **Table 42** summarizes these costs, and details are provided in **Appendix H**. Alternative 3 is anticipated to have a moderate to high level of success for human health and environmental protection and community acceptance. This remedial alternative will also attain all federal and State ARARs that apply to the Site.

7.2.3.2 Permit Requirement

Section C-1(c) of the Consent Order states that "any permits under sections 22a-32, 22a-42a, 220-342, 22a-361, 22a-368, and 22a-430 of the CGS" must be identified for each remedial action discussed in the RAP. Required permits under these sections of the CGS would include applicable wetlands permits for portions of the activities that encroach on the wetlands or wetlands buffer zones near the Broad Brook.

It is anticipated that local construction permits and NPDES permits may also be required in accordance with local, State, and federal ARARs.

7.2.3.3 ARARs

This remedy meets all ARARs/TBCs, as summarized in **Tables 33 through 35**. Since most of the ARARs will apply to the majority of the proposed groundwater remedies, a detailed explanation of how the ARARs/TBCs are met for each groundwater alternative is presented in Section 7.2.4.

In addition, the following ARARs specific to this remedial alternative will be complied with:

- Any treatment tanks will be appropriately constructed and will comply with monitoring and inspection requirements pursuant to RCRA 40 CFR Part 264.190-198 (Subpart J).
- NPDES permitting and compliance with technology- and water quality-based treatment standards established in 40 CFR Parts 122, 124, and 125 will be complied with, as required. These are common requirements for pump and treat systems and are met through proper design and permitting applications.
- The CWA Pretreatment Regulations state that all discharges to a publicly owned treatment works (POTW) must be treated to prevent interference with operation of the POTW, pass-through of pollutants, and violations of local limits. These are common requirements for pump and treat systems and are met through proper design and permitting applications.

7.2.3.4 Schedule

It is estimated that the design and implementation of Alternative 3 will take six to twelve months. Considering the hydraulic characteristics of the aquifer and the maximum COC concentrations in the plume, and for the purposes of the RAP, it is estimated that the time required to achieve compliance with the CT RSRs using this option would be approximately 30 years.

7.2.4 ARARs/TBCs Pertinent to All Groundwater Alternatives

All three remedial alternatives will meet the pertinent Federal and State action-specific, chemical-specific, and location-specific ARARs and TBCs (presented on **Tables 33 through 35**). The primary ARARs that apply to all three remedial alternatives are discussed in this section. The ARARs that specifically apply to one of the remedial alternatives were discussed within the individual remedial alternative's section.

7.2.4.1 Federal ARARs/TBCs

The groundwater remedial alternatives are designed to ensure compliance with concentration limits and regular monitoring per RCRA 40 CFR Parts 264.90-264.101 (Subpart F). Federal SDWA MCLs (pursuant to 40 CFR Parts 141.11-141.16) have been considered in establishing groundwater cleanup goals and the remedial alternatives can achieve these levels. USEPA's

Groundwater Protection Strategy and federal Groundwater Classification Guidelines were also considered in selecting remedial action objectives for groundwater. Post-closure monitoring is included in all of the remedial alternatives, in compliance with 40 CFR Part 264.310.

The management of any hazardous wastes associated with the remedial alternatives will comply with all applicable federal RCRA regulations. The generation, handling, labeling, manifesting, and transportation of hazardous wastes during excavation and drilling activities will comply with all applicable parts of RCRA standards (40 CFR Parts 260 through 263) and federal Department of Transportation (DOT) standards (49 CFR Parts 107 and 171-179).

All RCRA regulations pertaining to container storage (40 CFR Parts 264.171 through 264.178 and 268.50) and excavation (40 CFR Part 268, subpart D) will be adhered to during excavation, storage, and disposal of hazardous wastes.

Hazardous wastes will be deposited in appropriate lined, waste containers, or appropriately designed waste piles, as applicable (per RCRA 40 CFR Parts 264.250 through 264.259 and 268.2). Hazardous waste requiring disposition will meet the specific standards regarding land disposal restrictions promulgated under all applicable subparts of 40 CFR Part 268.

Prior to the shipment of any hazardous substances, pollutants, or contaminants from the Site to an off-site receiving facility, EPA certification that the proposed receiving facility is operating in compliance with the requirements of CERCLA Section 121(d)(3) and 40 CFR 300.400 will be obtained. In addition, EPA will be notified of the proposed receiving facility at least three weeks prior to the expected date of shipment.

All applicable OSHA regulations will be maintained during the remedial activities. Any occupational injuries and illnesses will be recorded and reported according to OSHA 29 CFR Part 1904. All employees involved with any remedial activity will have the necessary training and medical monitoring (pursuant to OSHA 29 CFR Part 1910). Safety precautions specified in OSHA 29 CFR Part 1926 will be followed during any on-Site construction and excavation activities.

Measures will be taken to control potential particulate matter during drilling and excavation activities, in accordance with NAAQS (40 CFR Part 50.1-50.12) and the CAA (40 CFR Part 50).

The NHPA will be complied with throughout all remedial activities. The SHPO has been contacted and has determined that the proposed remedial alternatives will have no effect on any historic components remaining on the site. However, if demolition of the former powerhouse building is conducted, the SHPO will require that the structure be professionally documented prior to demolition. None of the groundwater remedies include demolition or altering existing mill buildings or other old structures.

Surface water control requirements (per 40 CFR Parts 264.251(c)(d), 264.273(c)(d), and 264.301(c)(d)) will be adhered to during all remedial activities.

7.2.4.2 State of Connecticut ARARs/TBCs

All of the selected remedies are capable of achieving the required cleanup goals and will comply with RSRs and Revisions to RSRs (pursuant to RCSA 22a-133k 1-3). MCLs have been considered in establishing groundwater cleanup goals and the selected remedial alternatives can achieve these levels (CGS 22a-426; RCSA 19-13-B101 through B102 Standards for Private and Public Drinking Water Quality). The selected remedies will also provide appropriate protection for the classification of the aquifer in the vicinity of the Site (CGS 22a-354 through 354aa, RCSA 22a-354i-1 through 10).

The management of hazardous wastes associated with the groundwater remedial alternatives will also comply with State regulations pursuant to Sections 22a-449(c)-100 through 110 and Section 22a-449(c)-11 of the RCSA. Any wastes generated during remedial activities will comply with Connecticut's land disposal restrictions (pursuant to RCSA 22a-449(c)-108) and permitting requirements (pursuant to RCSA 22a-449(c)-110).

Although certain waste types such as waste oil and used oil are not anticipated during remedial activities, RCSA regulations 22a-449(c)-106 and 119 will be followed should these types of

wastes be encountered. No PCBs in exceedance of applicable criteria have been identified at the Site; however, if encountered, the statutes for disposition of PCBs will be followed (CGS 22a-463 through 469). Although not anticipated, if asbestos is encountered during remedial activities, abatement regulations will be complied with (CGS 19a-332, RCSA 19a-33a-1 though 16, RCSA 20-440-1 through 9, and RCSA 20-441-1).

All drilling activities associated with the soil remedial alternatives will be conducted in accordance with State regulations and permitting requirements (per RCSA 25-128-33 through 64 and CGS 25-126 through 137). Utility markouts will be requested at least three days prior to any drilling or excavation activities through the "Call Before You Dig" clearing house (RCSA 16-345-1 to 9). The CTDEP Guidance on Utility Company Excavation (January 30, 2001) will also be followed since impacted soils are expected to be encountered during the remedial activities.

The CT Guidelines for Soil Erosion and Sediment Control (CGS 22a-328, May 2002) will also be followed to minimize soil erosion during remedial activities. Parts of the Site are located within a 100-year flood zone. No remedial activities will adversely affect the floodplain or pose a flood hazard (pursuant to CGS 25-68b through h and RCSA 25-68h-1 through 3).

Portions of Site activities will be conducted within the wetland buffer zone adjacent to the Broad Brook. Therefore, requirements pursuant to CGS 22a-45a (Surface Water and Wetlands – Inland Wetlands and Watercourses Act – General Permit Requirements) will be complied with for minor activities causing disturbances in soils and groundwater near surface water bodies. Discussions between CTDEP and the Town of East Windsor have already occurred regarding obtaining the necessary wetland permits (and other Town permits), and these ARARs will be met.

Measures will be taken to control potential particulate matter during drilling and excavation activities and any landscaping activities, in accordance with RCSA standards (22a-174-3a and 18). In addition, off-gas control systems and/or emission control procedures will be implemented for the remedial activities that involve discharge of potential air pollutants (e.g., AS/SVE and pump and treat systems), in compliance with RCSA standards (22a-174-20 and 29).

Any water discharges (such as treated water from the remedial processes) will comply with applicable parts of the CT Water Pollution Control Standards and permitting requirements (pursuant to CGS 22a-430 and 430b, RCSA 22a-430-1 to 8).

Any objectionable odors or noises that may arise during remedial activities will be minimized (pursuant to RCSA 22a 174-23, CGS 22a-67 to 76, and RCSA 22a-69-1 to 7.4). If any new environmental hazards are encountered, the appropriate parties will be notified in compliance with CGS 22a-6u. Any spills that occur during remedial activities will be reported to the DEP (per CGS 22a-450).

7.3 PROPOSED GROUNDWATER REMEDIAL ALTERNATIVE

7.3.1 RATIONALE

Each of the three alternatives presented in Section 7.2 above will be capable of meeting the Site-specific CT RSRs and ARARs over time, with Alternative 1 being expected to meet the criteria within a relatively short time period compared to the other alternatives. Alternative 1 will provide more active removal of contaminants, whereas the other two remedies are containment/longer term remedies. Each alternative is expected to be protective of human health and the environment, and is anticipated to be moderately to highly acceptable to the community.

Table 42 presents the costs to apply each of the alternatives. As shown on **Table 42**, Alternative 1 provides a cost savings over Alternatives 2 and 3.

Therefore, based on the potentially shorter time frame to meet the CT RSRs and ARARs, ability to actively remove contaminants, and the lower projected costs, the recommended remedial approach for the Site is Alternative 1: AS with SVE, biosparging, and CPS injection. A schedule for implementation of Alternative 1 is provided in Section 9.0 of this RAP.

7.3.2 IMPLEMENTATION OF ALTERNATIVE 1: AS WITH SVE, BIOSPARGING, AND CPS INJECTION

AS with SVE and biosparging will be applied to areas of the Site where TPH, SVOC, and VOC groundwater impacts in exceedance of the CT RSRs have been observed. CPS will be injected at

areas of the Site where metal groundwater impacts in exceedance of the CT RSRs have been observed. **Figures 46A and 46B** show the targeted areas for these three technologies.

It is anticipated that AS will volatilize the TCE and PCE as well as any other VOC contaminants in the groundwater. The VOCs will be captured in the unsaturated soil by the SVE system and will be treated, if required, prior to discharge to the atmosphere. AS will also increase the oxygen content of the groundwater to encourage the biodegradation of TPH and SVOC contaminants also present in the area.

Biosparging will be applied in areas of SVOC and TPH contamination only (where VOC concentrations in groundwater have not been observed above the applicable CT RSRs) to provide oxygen to the subsurface to enhance the aerobic biodegradation of these contaminants.

The CPS injection will target the areas impacted by chromium, cadmium, and lead, and will produce a reducing environment that will stabilize the metals through mineral precipitation.

As previously discussed, PMC exceedance areas for chromium related to the PSCA areas (i.e., non-coal ash related, see **Figures 34 and 43A**) may either be excavated, or treated in conjunction with the above CPS injection (as discussed previously in Sections 6.2.6 and 6.3).

It is anticipated that the combination of these three groundwater treatment technologies will effectively target and destroy the identified hot spot locations of the COCs and will succeed in reducing COCs concentrations in groundwater to levels below the CT RSRs.

Pilot testing will be completed for the above technologies (AS/SVE testing has already been completed in 2008). The pilot test results will refine the general design parameters for the full-scale implementation of the groundwater remedial alternative.

For the purposes of the RAP, it was assumed that AS injection wells would have a 15-foot radius of influence and biosparging and SVE wells would have a 30-foot radius of influence. The CPS

injection wells are expected to have a 15-foot radius of influence and in areas that will be treated for metals contaminants.

7.3.3 SCHEDULE

Based on Consent Order SRD-154, the Groundwater Remedy Work Plan is due 60 days after approval of the RAP. However, **i**t is proposed that the Groundwater Work Plan be submitted within 60 days after the approval of this RAP. This will allow the completion of additional groundwater pilot testing activities (specifically CPS treatment for metals) to be incorporated into the Groundwater Work Plan. This testing is proposed to be initiated as soon as weather allows in the Spring of 2010. The pilot test results are needed to complete the detailed groundwater remedy design.

8.0 SEDIMENT REMEDIATION PLAN

8.1 REMEDIAL APPROACH

Typically in the preparation of a remediation plan, a number of potentially applicable technologies are considered in the development of appropriate remedial alternatives for a specific environmental media. However, for sediments, the options are limited to removal through excavation, or to leave the sediments in place (with or without potential cover, if applicable).

Currently, the EPA and the NRTs advocate the removal of impacted sediments such that those sediments left in place meet the guidance provided by the National Oceanic and Atmospheric Administration (NOAA) Effects Range Low (ER-Ls) concentrations[4]. The CT RSRs do not specify cleanup criteria for sediment contamination.

Sediment Areas Proposed For Removal:

It has been discussed previously (Sections 3.3.5, 4.5.6, and 5.6) that the relatively low-level impacts to the sediments within the majority of Broad Brook are likely related to sediment releases from the Mill Pond upgradient of the Site. Mill Pond sediment impacts are similar or slightly higher in concentration (except for the area near SD-15) and have a similar contaminant profile to the impacted sediments within the brook. The compounds detected in the Mill Pond and Broad Brook sediments are typical of contaminants commonly associated with urban area storm water runoff.

The benefit of any removal of sediments in the brook may be limited, since re-contamination of the brook sediments could occur from the Mill Pond. Also, the large scale disruption of the brook may be more detrimental to the area than any perceived benefit. Therefore, no remedial actions are proposed for the sediments within the majority of the Broad Brook (between the Mill Pond dam and the dam on the western property boundary of the site (see **Figure 41**).

[4] LEA 4-30-03 MEMORANDUM TO USEPA

However, there is one portion of sediments located on the western boundary of the Site downstream of a small dam structure (the area near SD-15), which exhibits higher sediment concentrations than the other portions of the Broad Brook. As a conservative measure, it is proposed that remedial activities (e.g., sediment removal) be considered for this limited portion of the Broad Brook.

In general, the outfall pipe near SD-15 discharges into a shallow tributary to the Broad Brook (see **Figure 7**). It is anticipated that any sediment removal or other remediation activities would be conducted within the tributary feature. The tributary may be isolated from the main channel prior to conducting activities in this area, to prevent release of sediments into the main channel. A detailed sediment remediation plan will be provided in the forthcoming Soil/Sediment Work Plan. Note that since the Mill Pond sluiceway will continue to be operated by the Town of East Windsor on a periodic basis, sediments from the Mill Pond may continue to enter the tributary through the concrete outfall pipe.

8.2 PERMIT REQUIREMENTS

Section C-1(c) of the Consent Order states that "any permits under sections 22a-32, 22a-42a, 220-342, 22a-361, 22a-368, and 22a-430 of the CGS" must be identified for each remedial action discussed in the RAP. Required permits under these sections of the CGS would include applicable wetlands permits for portions of the activities that encroach on the wetlands or wetlands buffer zones near the Broad Brook.

It is anticipated that local construction permits may be required in accordance with local and State ARARs. Discussions between CTDEP and the Town of East Windsor have already occurred regarding obtaining the necessary wetland permits (and other Town permits), and these ARARs are not anticipated to be an issue.

8.3 ARARS/TBCS

This remedy will meet all ARARs/TBCs that are pertinent. The ARARs (and TBCs), and how they will be met for this remedy, are summarized in **Tables 33 through 35**. These include (but are not limited to):

- Removal of sediments will comply with Section 10 of the Rivers and Harbors Act (33 U.S.C. 403) and U.S. Army Corps of Engineers regulations (33 CFR Parts 320-330).
- Water, if accumulated during the river bank stabilization, would be treated and discharged in compliance with the Federal Clean Water Act (30 U.S.C. 1251 et seq.) and its implementing regulations.
- The Fish and Wildlife Coordination Act requires that any federal agency proposing to modify a body of water must consult with the U.S. Fish and Wildlife Service. An enquiry to the CTDEP Natural Diversity Database was conducted in July 1998. Per the CTDEP, there is no record of threatened or endangered species within a one-mile radius of the Site.
- Sediment and Stormwater Controls During Implementation:
    - Sediment and stormwater controls will be used to comply with State regulations pursuant to Sections 22a-426 Water Quality Standards and 22a-430 Water Pollution Control of the RCSA.
    - The CT Guidelines for Soil Erosion and Sediment Control (CGS 22a-328, May 2002) will likely be applicable. The proposed remedial activities will not affect the floodplain or pose a flood hazard (pursuant to CGS 25-68b through and RCSA 25-68h-1 through 3). Proper sediment / stormwater controls will be employed to ensure minimal impact on the brook.
- Wetlands Protection:
    - These activities will be conducted within the Broad Brook and within the wetland buffer zone adjacent to the brook. Therefore, requirements pursuant to CWA Section 404 (33 U.S.C. 1344) and its implementing regulations, as well as CGS 22a-36 through 45, and 22a-45a (Surface Water and Wetlands – Inland Wetlands and Watercourses Act – General Permit Requirements) must be complied with.
    - The alteration of wetlands and the wetland buffer zone adjacent to the brook will be minimized to adhere to Federal Executive Orders 11988 & 11990 Floodplain Management and Protection of Wetlands (40 CFR Part 6 Appendix A).

8.4 SCHEDULE

The sediment remedy will proceed with the soil remediation once the RAP and subsequent Soil/Sediment Work Plan are approved, as proposed in Section 6.3.3.

9.0 PROJECT SCHEDULE

The Site remedial activities are proposed to be initiated in 2010, pending approval of this RAP, and the subsequent submittal and approval of the Soil/Sediment Remedy and Groundwater Remedy Work Plans.

Table 43 provides an estimated schedule for implementation of the proposed remedial actions. A general overview of the proposed schedule is provided below.

Public Comment Period and EPA/CTDEP Approvals:

Following submittal of this RAP, CTDEP will initiate a 60 day public comment period, per the CIP submitted December 16, 2004. Details of the public involvement process are provided in the CIP. Following the public comment period, all comments (including EPA, CTDEP, and public comments) on the RAP will be addressed. Any amendments to the RAP, if necessary, will be conducted prior to final approval.

Soil/Sediment Remedy and Groundwater Remedy Work Plan Submittals:

Based on Consent Order SRD-154, the Groundwater Remedy Work Plan is due 60 days after approval of the RAP. In addition, the Soil/Sediment Work Plan (which will include Broad Brook river bank and sediment remedy details) would have been due 60 days after receipt of the CTDEP funding for the Orphan Share portion of the remediation (initial funding was received in mid-2008). However, the following schedule modification is requested and made part of this RAP for CTDEP and EPA approval:

- It is proposed that the Soil/Sediment Remedy Work Plan be submitted within 60 days after the approval of this RAP. This is requested because a detailed Soil/Sediment Remedy Work Plan is contingent upon the approval of the soil remedy in this RAP.
- It is proposed that the Groundwater Work Plan be submitted within 60 days after the approval of this RAP. This will allow the completion of additional groundwater pilot testing activities (specifically CPS treatment for metals) to be incorporated into the Groundwater Work Plan. This testing is proposed to be initiated as soon as weather allows in the Spring/Summer of 2010. The pilot test results are needed to complete the

detailed groundwater remedy design. A groundwater AS and SVE pilot test has already been completed in November of 2008.

Remedy Implementation Schedule:

After approvals of the Soil/Sediment Remedy and Groundwater Remedy Work Plans, it is anticipated that full-scale implementation would begin in Fall 2010, and would be completed by 2012. Refer to **Table 43** for the proposed schedule.

The implementation of the groundwater remedial action will be coordinated, as appropriate, with the soil remedy (e.g., certain soil grading/excavation tasks will need to be completed prior to installation of the groundwater treatment system).

Remedy Construction:

In general, the design and installation of the soil/groundwater remedial action is estimated to be completed in approximately 12 months, with pauses as needed for winter months when construction activities are impractical. It is anticipated that the construction of the Site cover would be completed by 2012. Construction and start-up of the active remedy portions, including the SVE/AS, bioventing, biosparging, and CPS systems, are proposed to be completed by 2011.

Remedy Operation:

The active remedy timeframe is approximately three to five years for the AS/SVE and bioventing/biosparging components. The CPS treatment and treatment verification would be completed in one year (not including longer term performance verification monitoring).

LIST OF TABLES

Table 1A	VOCs Results for Vadose Zone Soils
Table 1B	VOCs Results for Vadose Zone Soils (Mobile Lab Data)
Table 2A	VOCs Results for Saturated Zone Soils
Table 2B	VOCs Results for Saturated Zone Soils (Mobile Lab Data)
Table 3	SVOCs Results for Vadose Zone Soils
Table 4	SVOCs Results for Saturated Zone Soils
Table 5	TPH Results for Vadose Zone Soils
Table 6	TPH Results for Saturated Zone Soils
Table 7	Metals Results for Vadose Zone Soils
Table 8	Metals Results for Saturated Zone Soils
Table 9	Metals SPLP TCLP Results for Vadose Zone Soils
Table 10	Monitoring Well Locations and Construction Details
Table 11	Groundwater Sampling Plan from November 2003 to Date
Table 12	Groundwater Sampling Parameters
Table 13	Groundwater Field Parameter Data
Table 14	VOCs Results for Groundwater
Table 15	1,4-Dioxane Results for Groundwater
Table 16	SVOCs Results for Groundwater
Table 17	TPH Results for Groundwater
Table 18	Metals Results for Groundwater
Table 19	1996-1997 Soil Gas Survey Results
Table 20	2000 Soil Gas Survey Results
Table 21	VOCs Results for Sediments
Table 22	SVOCs Results for Sediments
Table 23	TPH Results for Sediments
Table 24	Metals Results for Sediments
Table 25	VOCs Results for Surface Water
Table 26	SVOCs Results for Surface Water
Table 27	TPH Results for Surface Water

Table 28 Metals Results for Surface Water
Table 29 Groundwater Elevation Gauging Data
Table 30 Stream Gauge Details
Table 31 Surface Water Elevation Gauging Data
Table 32 Surface Water – Groundwater Interaction Data
Table 33 Action-Specific Potential ARARs
Table 34 Chemical-Specific Potential ARARs
Table 35 Location-Specific Potential ARARs
Table 36 Soil Cleanup Criteria
Table 37 Groundwater Cleanup Criteria
Table 38A SWPC Compliance Evaluation for Arsenic
Table 38B SWPC Compliance Evaluation for Copper
Table 38C SWPC Compliance Evaluation for Zinc
Table 39 Contaminants of Concern that Exceed Criteria in Soil
Table 40 Cost Summary for Soil Remedial Alternatives
Table 41 Contaminants of Concern that Exceed Criteria in Groundwater
Table 42 Cost Summary for Groundwater Remedial Alternatives
Table 43 Estimated Project Schedule

TABLE 1A
VOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
B01	10/20/1995	14-16	na	na	na	na	na	1 U	1 U	1 U	1 U	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B02	10/20/1995	12-14	na	na	na	na	na	1 U	1 U	1 U	1 U	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B03	10/20/1995	4-6	na	na	na	na	na	1 U	1 U	1 U	1 U	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B04	10/20/1995	10-12	na	na	na	na	na	1 U	1 U	1 U	1 U	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B05	10/20/1995	8-10	120 U	6 U	6 U	150 U	na	6 U	6 U	6 U	6 U	na	na	6 U	6 U	6 U	6 U	6 U	na	6 U	na	6 U	6 U	6 U	6 U	6 U
B06	10/20/1995	14-16	na	na	na	na	na	1 U	1 U	1 U	1 U	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B07	10/20/1995	4-6	na	na	na	na	na	1 U	1 U	1 U	1 U	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B09	10/20/1995	8-10	na	na	na	na	na	1 U	1 U	1 U	1 U	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B10	10/21/1995	4-6	na	na	na	na	na	1 U	1 U	1 U	5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
B11	10/21/1995	4-6	110 U	6 U	6 U	140 U	na	6 U	6 U	6 U	6 U	na	na	6 U	6 U	6 U	6 U	6 U	na	6 U	na	6 U	6 U	6 U	6 U	6 U
B12	10/21/1995	10-12	110 U	5 U	5 U	140 U	na	5 U	5 U	5 U	5 U	na	na	5 U	5 U	5 U	5 U	6	na	5 U	na	5 U	5 U	5 U	5 U	5 U
BG	10/27/1994	-	1,800	na	0.59 U	120	0.46 U	0.72 U	0.72 U	0.84 U	na	1.6 U	1.01 U	0.65 U	0.76 U	1.25 U	0.84 U	0.84 U	0.84 U	0.65 U	1.03 U	1.08 U	1.52 U	1.6 U	na	na
CB1	10/27/1994	-	830	na	0.53 U	74	0.41 U	0.65 U	0.65 U	0.75 U	na	1.43 U	0.9 U	0.58 U	0.68 U	1.12 U	0.75 U	0.75 U	12	0.58 U	0.92 U	0.97 U	1.36 U	1.43 U	na	na
CB10	10/27/1994	-	610	na	0.56 U	32	0.43 U	0.68 U	0.68 U	0.79 U	na	1.51 U	0.95 U	0.61 U	0.72 U	1.19 U	0.79 U	0.79 U	0.79 U	6	0.97 U	1.03 U	1.44 U	1.51 U	na	na
CB2	10/27/1994	-	460	na	0.59 U	40	0.46 U	0.72 U	0.72 U	0.84 U	na	1.6 U	1.01 U	0.65 U	0.76 U	1.25 U	0.84 U	0.84 U	0.84 U	0.65 U	1.03 U	1.08 U	1.52 U	1.6 U	na	na
CB3	10/27/1994	-	780	na	0.62 U	77	0.48 U	0.76 U	0.76 U	0.88 U	na	1.68 U	1.06 U	0.68 U	0.8 U	1.32 U	0.88 U	0.88 U	0.88 U	0.68 U	1.08 U	1.14 U	1.6 U	1.68 U	na	na
CB4	10/27/1994	-	28.98 U	na	0.56 U	44	0.43 U	0.68 U	0.68 U	0.79 U	na	1.51 U	0.95 U	0.61 U	0.72 U	1.19 U	0.79 U	0.79 U	5.7	16	0.97 U	1.03 U	1.44 U	1.51 U	na	na
CB5	10/27/1994	-	340	na	0.56 U	19.62 U	0.43 U	0.68 U	0.68 U	0.79 U	na	1.51 U	0.95 U	0.61 U	0.72 U	1.19 U	0.79 U	0.79 U	13	16	0.97 U	1.03 U	9.6	1.51 U	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1A
VOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
CB6	10/27/1994	-	490	na	0.53 U	58	0.41 U	0.65 U	0.65 U	0.75 U	na	1.43 U	0.9 U	0.58 U	0.68 U	1.12 U	0.75 U	0.75 U	0.75 U	0.58 U	0.92 U	0.97 U	1.36 U	1.43 U	na	na
CB7	10/27/1994	-	570	na	0.59 U	43	0.46 U	0.72 U	0.72 U	0.84 U	na	1.6 U	1.01 U	0.65 U	0.76 U	1.25 U	0.84 U	0.84 U	6.1	4.2	1.03 U	1.08 U	1.52 U	1.6 U	na	na
CB8	10/27/1994	-	480	na	0.59 U	74	0.46 U	0.72 U	0.72 U	0.84 U	na	1.6 U	1.01 U	0.65 U	0.76 U	1.25 U	0.84 U	0.84 U	0.84 U	0.65 U	1.03 U	1.08 U	1.52 U	1.6 U	na	na
CB9	10/27/1994	-	1,400	na	0.59 U	110	0.46 U	3.2	4.2	0.84 U	na	1.6 U	4.7	0.65 U	0.76 U	1.25 U	0.84 U	0.84 U	0.84 U	230	1.03 U	1.08 U	160	1.6 U	na	na
Composite 1	10/8/1996	-	35 U	7.1 U	7.1 U	18 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	na	na	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U
Composite 2	10/8/1996	-	34 U	6.8 U	6.8 U	17 U	6.8 U	20 U	6.8 U	6.8 U	6.8 U	na	na	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U
Composite 3	10/8/1996	-	85 U	17 U	17 U	43 U	17 U	17 U	17 U	17 U	17 U	na	na	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Composite 4	10/8/1996	-	72 U	14 U	14 U	36 U	14 U	14 U	14 U	14 U	14 U	na	na	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
Composite 5	10/8/1996	-	39 U	7.7 U	7.7 U	19 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	na	na	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U
GP-1	10/29/1996	2-4	31 U	6.1 U	6.1 U	15 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	na	na	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	120	6.1 U	8.2	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
GP-10	10/30/1996	4-6	32 U	6.5 U	6.5 U	16 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	na	na	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	57	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U
GP-2	10/29/1996	2-4	73 U	15 U	15 U	37 U	15 U	15 U	15 U	15 U	15 U	na	na	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
GP-4	10/29/1996	6-8	42 U	8.4 U	8.4 U	21 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	na	na	8.4 U	8.4 U	8.4 U	8.4 U	11	460 J	22	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U
GP-9	10/30/1996	4-6	29 U	5.9 U	5.9 U	15 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	na	na	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U
HTE-15	8/31/1993	6-8	na	na	25 U	na	na	50 U	50 U	50 U	na	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	na	25 U	25 U	25 U	25 U	na
HTE-23	8/31/1993	5-7	na	na	25 U	na	na	50 U	50 U	50 U	na	50 U	50 U	50 U	50 U	50 U	50 U	25 U	1,778	25 U	na	25 U	25 U	25 U	25 U	na
HTE-8	8/31/1993	4-6	na	na	25 U	na	na	50 U	50 U	50 U	na	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	na	25 U	25 U	25 U	25 U	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1A
VOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-10																										
	1/3/1997	2-4	81 U	16 U	16 U	40 U	16 U	16 U	16 U	16 U	16 U	na	na	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U
	1/3/1997	4-6	28 U	5.5 U	5.5 U	14 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	na	na	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U
MW-12																										
	1/9/1998	0-2	35 U	7 U	7 U	17 U	7 U	7 U	7 U	7 U	7 U	na	na	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	8.7	7 U	7 U
MW-13D																										
	1/7/1998	0-2	25 U	5 U	5 U	13 U	5 U	6.3 U	6.3 U	5 U	5 U	na	na	5 U	5 U	5 U	5 U	5 U	5.5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	1/7/1998	4-6	88 U	18 U	18 U	44 U	18 U	18 U	18 U	18 U	18 U	na	na	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U
MW-18D																										
	1/14/1998	4-6	36 U	7.2 U	7.2 U	18 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	na	na	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U
	1/14/1998	8-10	27 U	5.3 U	5.3 U	13 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	na	na	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
MW-19																										
	12/24/1997	2-4	24 U	4.7 U	4.7 U	12 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	na	na	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	2,100	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
MW-20																										
	1/20/1998	0-2	76 U	15 U	15 U	38 U	15 U	15 U	15 U	15 U	15 U	na	na	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
	1/20/1998	4-6	29 U	5.9 U	5.9 U	15 U	5.9 U	5.9 U	5.9 U	5.9 U,J	5.9 U,J	na	na	5.9 U,J	5.9 U,J	5.9 U,J	5.9 U,J	5.9 U,J	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U
MW-23D																										
	1/12/1998	4-6	110 U	21 U	21 U	54 U	21 U	21 U	21 U	21 U	21 U	na	na	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
MW-27D																										
	1/13/1998	6-8	33 U	6.6 U	6.6 U	16 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	na	na	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
MW-32																										
	3/23/1998	4-6	44 U	8.7 U	8.7 U	22 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	na	na	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U
PIPE-1																										
	5/12/2005	-	388 U	15 U	26 U	150 U	na	13 U	18 U	18 U	120 U	na	na	22 U	na	na	na	39 U	22 U	24 U	35 U	37 U	54 U	16 U	33	35 U
SB-1																										
	1/14/1998	0-2	37 U	7.4 U	7.4 U	18 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	na	na	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U
SB-10																										
	1/30/1998	2-4	41 U	8.2 U	8.2 U	20 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	na	na	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U
	1/30/1998	4-6	26 U	5.2 U	5.2 U	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
SB10-1																										
	1/3/1997	2-4	35 U	7.1 U	7.1 U	18 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	na	na	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U
	1/3/1997	6-7.5	23 U	4.5 U	4.5 U	11 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	na	na	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U
SB10-2																										
	1/6/1997	2-4	34 U	6.9 U	6.9 U	17 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	na	na	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U
	1/6/1997	6-8	23 U	4.6 U	4.6 U	11 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	na	na	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

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Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB10-3																										
	1/6/1997	0-2	110 U	11 U	11 U	28 U	11 U	11 U	11 U	11 U	11 U	na	na	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
	1/6/1997	6-8	44 U	7.4 U	7.4 U	18 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	na	na	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U
SB10-4																										
	1/2/1997	4-6	200 U	14 U	14 U	34 U	14 U	14 U	14 U	14 U	14 U	na	na	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
SB10-5																										
	1/6/1997	2-4	62 U	12 U	12 U	31 U	12 U	12 U	12 U	12 U	12 U	na	na	12 U	12 U	12 U	12 U	12 U	12 U	12	12 U	12 U	12 U	12 U	12 U	12 U
	1/6/1997	8-10	32 U	6.4 U	6.4 U	16 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	na	na	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U
SB10-6																										
	1/3/1997	0-2	44 U	6.3 U	6.3 U	16 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	na	na	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
	1/3/1997	4-6	42 U	8.4 U	8.4 U	21 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	na	na	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	23	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U
SB10-7																										
	1/2/1997	2-4	110 U	13 U	13 U	32 U	13 U	13 U	13 U	13 U	18	na	na	13 U	13 U	13 U	13 U	20	13 U	220	13 U	13 U	13 U	13 U	13 U	13 U
	1/2/1997	6-8	42 U	5.6 U	5.6 U	14 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	na	na	5.6 U	5.6 U	5.6 U	5.6 U	80	6.7	75	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U
SB10-8																										
	1/3/1997	2-4	26 U	5 U	5 U	12 U	5 U	5 U	5 U	5 U	5 U	na	na	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	1/3/1997	4-5	55 U	6.1 U	6.1 U	15 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	na	na	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
SB-11																										
	1/30/1998	0-2	46 U	9.3 U	9.3 U	23 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	na	na	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U
	1/30/1998	4-6	31 U	6.3 U	6.3 U	16 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	na	na	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
SB1-1																										
	12/17/1996	4-6	180 U	15 U	15 U	38 U	15 U	15 U	15 U	15 U	15 U	na	na	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
SB1-12																										
	3/24/1998	2-4	100 U	20 U	20 U	50 U	20 U	20 U	20 U	20 U	20 U	na	na	20 U	20 U	20 U	20 U	20 U	20 U	44	20 U	20 U	20 U	20 U	20 U	20 U
SB-12																										
	10/30/1997	0-2	25 U	5.1 U	5.1 U	13 U	5.1 U	5.1 U	5.1 U	5.1 U	11	na	na	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
SB1-2																										
	12/18/1996	4-6	26 U	5.2 U	5.2 U	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
SB-13																										
	1/28/1998	2-4	31 U	6.2 U	6.2 U	16 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	na	na	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U
SB1-3																										
	12/18/1996	4-6	32 U	5.4 U	5.4 U	13 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	na	na	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	14	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
SB1-4																										
	12/19/1996	4-6	27 U	5.4 U	5.4 U	13 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	na	na	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
SB-15																										
	1/27/1998	2-4	41 U	8.2 U	8.2 U	20 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	na	na	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1A
VOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB1-5																										
	12/19/1996	4-6	120 U	25 U	25 U	61 U	25 U	25 U	25 U	25 U	25 U	na	na	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
SB-16																										
	1/27/1998	2-4	33 U	6.6 U	6.6 U	17 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	na	na	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
	1/27/1998	8-10	26 U	5.2 U	5.2 U	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
SB1-6																										
	12/22/1997	4-6	27 U	5.4 U	5.4 U	13 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	na	na	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
SB-17																										
	1/27/1998	2-4	24 U	4.9 U	4.9 U	12 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	na	na	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U
SB1-7																										
	12/22/1997	4-6	28 U	5.6 U	5.6 U	14 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	na	na	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U
SB-18																										
	10/30/1997	10-12	2,200 U	560 U	560 U	1,700 U	560 U	560 U	560 U	560 U	1,100 U	na	na	560 U	560 U	560 U	560 U	560 U	560 U	13,000	560 U	560 U	560 U	560 U	560 U	560 U
SB1-8																										
	12/22/1997	4-6	28 U	5.5 U	5.5 U	14 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	na	na	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	65	10	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U
SB-18-0																										
	12/17/2004	0-2	3.8 U	0.33 U	0.54 U	3.3 U	na	0.28 U	0.39 U	0.39 U	2.5 U	na	na	0.46 U	na	na	na	0.82 U	0.47 U	0.7 J	0.74 U	0.78 U	1.2 U	0.34 U	0.7 U	0.75 U
	12/17/2004	2-4	3.4 U	0.29 U	0.49 U	2.9 U	na	0.42 J	1.2 J	0.7 J	3.7	na	na	0.41 U	na	na	na	1.9 J	0.42 U	2.3	0.66 U	0.7 U	1 U	0.3 U	0.62 U	0.67 U
SB-18-8																										
	12/17/2004	0-2	3.6 U	0.31 U	0.51 U	3.1 U	na	0.26 U	0.36 U	0.37 U	2.3 U	na	na	0.43 U	na	na	na	1.5 J	0.44 U	0.66 J	0.69 U	0.73 U	1.1 U	0.31 U	0.65 U	0.71 U
	12/17/2004	2-4	3.2 U	0.28 U	0.46 U	2.8 U	na	0.24 U	0.71 J	0.7 J	3.7	na	na	0.39 U	na	na	na	2.2	1.3 J	2.6	0.63 U	0.66 U	0.98 U	0.29 U	0.59 U	0.64 U
SB-18-9																										
	12/18/2004	0-2	3.3 U	0.29 U	0.48 U	2.9 U	na	0.25 U	0.34 U	0.34 U	2.2 U	na	na	0.41 U	na	na	na	1.3 J	0.41 U	0.54 J	0.65 U	0.68 U	1 U	0.29 U	0.61 U	0.66 U
SB-19																										
	10/31/1997	4-6	29 U	5.8 U	5.8 U	15 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	na	na	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
SB-2																										
	1/23/1998	6-8	38 U	7.6 U	7.6 U	19 U	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	na	na	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U
SB-20																										
	1/26/1998	6-8	4,300 U	620 U	620 U	1,900 U	620 U	620 U	620 U	620 U	1,200 U	na	na	620 U	620 U	620 U	620 U	620 U	4,900	620 U	620 U	620 U	620 U	620 U	620 U	620 U
SB-21																										
	1/26/1998	6-8	51 U	10 U	10 U	26 U	10 U	10 U	10 U	10 U,J	10 U,J	na	na	10 U,J	10 U,J	10 U,J	10 U,J	10 U,J	440 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
SB2-1																										
	12/20/1996	0-2	30 U	5.9 U	5.9 U	15 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	na	na	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U
	12/20/1996	4-6	250	8.1 U	8.1 U	20	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	na	na	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U
SB-22																										
	1/26/1998	2-4	36 U,J	7.1 U,J	7.1 U,J	18 U,J	7.1 U,J	7.1 U	7.1 U	7.1 U,J	7.1 U,J	na	na	7.1 U,J	7.1 U,J	7.1 U,J	7.1 U,J	7.1 U,J	7.1 U	7.1 U,J	7.1 U,J	7.1 U,J	7.1 U,J	7.1 U,J	7.1 U,J	7.1 U,J
	1/26/1998	6-8	36 U	7.2 U	7.2 U	18 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	na	na	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1A
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Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB2-2																										
	12/20/1996	2-4	180 U	9.6 U	9.6 U	24 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	na	na	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
	12/20/1996	4-6	61 U	5 U	5 U	13 U	5 U	5 U	5 U	5 U	5 U	na	na	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SB-23																										
	10/31/1997	2-4	23 U	4.5 U	4.5 U	11 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	na	na	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	28	6.4	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U
	10/31/1997	8-10	440 U	110 U	110 U	330 U	110 U	110 U	110 U	110 U	220 U	na	na	110 U	110 U	110 U	110 U	120	120	110	110 U	110 U	110 U	110 U	110 U	110 U
SB2-3																										
	12/30/1997	2-4	100 U	6.4 U	6.4 U	34	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	na	na	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U
SB-23-0																										
	12/17/2004	0-2	3.4 U	0.29 U	0.49 U	2.9 U	na	0.76	2.2	1.3 J	7	na	na	0.42 U	na	na	na	6.1	2.3	5.6	0.67 U	0.7 U	1 U	0.3 U	0.63 U	0.68 U
SB-23-5																										
	12/17/2004	0-2	3.7 U	0.32 U	0.54 U	3.2 U	na	0.28 U	0.38 U	0.39 U	2.4 U	na	na	0.46 U	na	na	na	0.81 U	0.46 U	0.51 U	0.73 U	0.77 U	1.1 U	0.33 U	0.68 U	0.74 U
	12/17/2004	6-8	3.3 U	0.28 U	0.47 U	2.8 U	na	0.25 U	0.34 U	0.34 U	2.2 U	na	na	0.4 U	na	na	na	0.72 U	0.41 U	0.45 U	0.64 U	0.68 U	1 U	0.29 U	0.61 U	0.66 U
SB-23-6																										
	12/17/2004	2-4	3.7 U	0.32 U	0.53 U	3.2 U	na	0.28 U	0.7 J	0.39 U	2.4 U	na	na	0.45 U	na	na	na	0.81 U	0.46 U	1.5 J	0.73 U	0.77 U	1.1 U	0.33 U	0.68 U	0.74 U
	12/17/2004	8-10	3.2 U	0.28 U	0.46 U	2.8 U	na	0.24 U	0.33 U	0.33 U	2.1 U	na	na	0.39 U	na	na	na	0.69 U	0.39 U	0.44 U	0.63 U	0.66 U	0.97 U	0.28 U	0.59 U	0.64 U
SB-24																										
	10/31/1997	2-4	23 U	4.6 U	4.6 U	11 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	na	na	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
	10/31/1997	8-10	26 U	5.2 U	5.2 U	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
SB2-4																										
	12/30/1997	2-4	55 U	11 U	11 U	28 U	11 U	11 U	11 U	11 U	11 U	na	na	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
SB-25																										
	1/21/1998	0-2	31 U	6.1 U	6.1 U	15 U	6.1 U	6.1 U	6.1 U	6.1 U,J	6.1 U,J	na	na	6.1 U,J	6.1 U,J	6.1 U,J	6.1 U,J	6.1 U,J	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
	1/21/1998	2-4	29 U	5.9 U	5.9 U	15 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	na	na	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	260 J	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U
	1/21/1998	4-7.5	56 U	11 U	11 U	28 U	11 U	11 U	11 U	11 U	11 U	na	na	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
SB2-5																										
	12/31/1997	2-4	51 U	6.4 U	6.4 U	16 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	na	na	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U
SB-26																										
	1/23/1998	4-6	46 U	9.1 U	9.1 U	23 U	9.1 U	9.1 U	9.1 U	9.1 U,J	9.1 U,J	na	na	9.2 U,J	9.1 U,J	9.1 U,J	9.1 U,J	9.1 U,J	65	9.1 U	9.1 U	9.1 U	9.1 U	9.1 U	9.1 U	9.1 U
SB2-6																										
	12/31/1997	2-4	60 U	6.4 U	6.4 U	16 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	na	na	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U
SB-27																										
	1/21/1998	4-6	24 U	4.8 U	4.8 U	12 U	4.8 U	4.8 U	4.8 U	4.8 U,J	4.8 U,J	na	na	4.8 U,J	4.8 U,J	4.8 U,J	4.8 U,J	4.8 U,J	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
	1/21/1998	6-8	32 U	6.4 U	6.4 U	16 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	na	na	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U
SB-3																										
	1/14/1998	0-2	40 U	7.9 U	7.9 U	20 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	na	na	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U
	1/14/1998	4-6	67 U	6.4 U	6.4 U	16 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	na	na	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

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Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB-31																										
	3/24/1998	4-6	30 U	6.1 U	6.1 U	15 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	na	na	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	8.7	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
SB-33																										
	3/24/1998	2-4	26 U	5.2 U	5.2 U	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
	3/24/1998	6-8	31 U	6.1 U	6.1 U	15 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	na	na	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
SB-34																										
	3/24/1998	4-8	130 U	26 U	26 U	65 U	26 U	26 U	26 U	26 U	26 U	na	na	26 U	26 U	26 U	26 U	26 U	50	26 U	26 U	26 U	26 U	26 U	26 U	26 U
SB-4																										
	1/28/1998	0-2	25 U	5 U	5 U	12 U	5 U	5 U	5 U	5 U	5 U	na	na	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SB-40																										
	3/24/1998	6-8	25 U	5 U	5 U	13 U	5 U	5 U	5 U	5 U	5 U	na	na	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	3/24/1998	10-12	26 U	5.1 U	5.1 U	13 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	na	na	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
SB4-1																										
	12/23/1996	0-2	58 U	5.4 U	5.4 U	14 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	na	na	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	6.3	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
SB4-10																										
	1/5/1998	0-2	48 U	9.6 U	9.6 U	24 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	na	na	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
	1/5/1998	8-10	27 U	5.4 U	5.4 U	14 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	na	na	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
SB4-11																										
	1/5/1998	0-2	36 U	7.2 U	7.2 U	18 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	na	na	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U
	1/5/1998	6-8	29 U	5.7 U	5.7 U	14 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	na	na	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U
SB4-12																										
	1/20/1998	0-2	50 U	10 U	10 U	25 U	10 U	10 U	10 U	10 U	10 U	na	na	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	1/20/1998	6-8	40 U	8 U	8 U	20 U	8 U	8 U	8 U	8 U	8 U	na	na	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U
SB4-13																										
	1/5/1998	0-2	28 U	5.6 U	5.6 U	14 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	na	na	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U
SB4-14																										
	3/25/1998	4-6	30 U	6 U	6 U	15 U	6 U	6 U	6 U	6 U	6 U	na	na	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
SB4-2																										
	12/23/1996	2-4	170 U	21 U	21 U	53 U	21 U	21 U	21 U	21 U	21 U	na	na	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
	12/23/1996	4-6	6,600 J	22 U	22 U	55 U	22 U	22 U	22 U	22 U	22 U	na	na	22 U	22 U	22 U	22 U	22 U	66	80	22 U	22 U	360	22 U	22 U	22 U
SB4-3																										
	12/20/1996	0-2	33 U	6.6 U	6.6 U	17 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	na	na	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
SB4-4																										
	12/26/1996	0-2	30 U	5.9 U	5.9 U	15 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	na	na	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U
SB4-5																										
	12/24/1996	0-2	110 U	21 U	21 U	54 U	21 U	21 U	21 U	21 U	69	na	na	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1A
VOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB4-6																										
	1/6/1998	0-2	27 U	5.4 U	5.4 U	14 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	na	na	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
SB4-7																										
	1/6/1998	6-8	7,300 U	560 U	560 U	1,700 U	560 U	560 U	560 U	560 U	1,100 U	na	na	560 U	560 U	560 U	560 U	560 U	5,300	560 U	940	560 U	560 U	560 U	560 U	560 U
SB4-8																										
	12/31/1997	4-6	25 U	5 U	5.6	12 U	5 U	5 U	39	6.6	58	na	na	5 U	5 U	5 U	5 U	1,300	6,800	1,100 J	100 J	5 U	5 U	17	5 U	5 U
SB4-9																										
	1/5/1998	0-2	30 U	6 U	6 U	15 U	6 U	6 U	6 U	6 U	6 U	na	na	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
SB-5																										
	1/28/1998	2-4	37 U	7.3 U	7.3 U	18 U	7.3 U	7.3 U	7.3 U	7.3 U	7.3 U	na	na	7.3 U	7.3 U	7.3 U	7.3 U	7.3 U	500 J	89	7.3 U	7.3 U	7.3 U	7.3 U	7.3 U	7.3 U
	1/28/1998	6-8	28 U	5.5 U	5.5 U	14 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	na	na	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U
SB5-1																										
	12/30/1996	6-8	230 U	8.4 U	8.4 U	21 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	na	na	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U
SB5-3																										
	1/6/1997	2-4	70 U	14 U	14 U	35 U	14 U	14 U	14 U	14 U	14 U	na	na	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
	1/6/1997	6-8	140 U	11 U	11 U	28 U	11 U	11 U	11 U	11 U	11 U	na	na	11 U	11 U	11 U	11 U	11 U	120	15	11 U	11 U	11 U	11 U	11 U	11 U
SB5-4																										
	1/6/1997	6-8	34 U	6.7 U	6.7 U	17 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	na	na	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U
SB5-5																										
	1/3/1997	8-10	170 U	14 U	14 U	35 U	14 U	14 U	14 U	14 U	14 U	na	na	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
SB5-6																										
	12/30/1996	6-8	48 U	9.5 U	9.5 U	24 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	na	na	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
SB-6																										
	1/28/1998	0-2	62 U	12 U	12 U	31 U	12 U	12 U	12 U	12 U	12 U	na	na	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
	1/28/1998	4-6	32 U	6.3 U	6.3 U	16 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	na	na	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.4	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
SB6-1																										
	1/14/1997	4-6	28 U	5.6 U	5.6 U	14 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	na	na	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U
	1/14/1997	8-10	90 U	11 U	11 U	26 U	11 U	11 U	11 U	11 U	11 U	na	na	11 U	11 U	11 U	11 U	11 U	36	11 U	11 U	11 U	11 U	11 U	11 U	11 U
SB6-2																										
	1/13/1997	2-4	77 U	9.4 U	9.4 U	23 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	na	na	9.4 U	9.4 U	9.4 U	9.4 U	15	53	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
SB6-3																										
	1/14/1997	2-4	58 U	12 U	12 U	29 U	12 U	12 U	12 U	12 U	80	na	na	12 U	12 U	12 U	12 U	12 U	12 U	32	12 U	12 U	12 U	12 U	12 U	12 U
	1/14/1997	6-8	43 U	8.6 U	8.6 U	21 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	na	na	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U
SB6-4																										
	1/14/1997	4-6	78 U	7.5 U	7.5 U	19 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	na	na	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U
	1/14/1997	6-8	35 U	7 U	7 U	17 U	7 U	7 U	7 U	7 U	7 U	na	na	7 U	7 U	7 U	7 U	7 U	15	7 U	7 U	7 U	7 U	7 U	7 U	7 U
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1A
VOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB6-5																										
	1/13/1997	2-4	27 U	5.3 U	5.3 U	13 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	na	na	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	14	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
	1/13/1997	8-10	56 U	11 U	11 U	28 U	11 U	11 U	11 U	11 U	11 U	na	na	11 U	11 U	11 U	11 U	11 U	11 U	15	11 U	11 U	11 U	11 U	11 U	11 U
SB-7																										
	2/4/1998	0-2	33 U	6.6 U	6.6 U	16 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	na	na	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
	2/4/1998	6-8	31 U	6.1 U	6.1 U	15 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	na	na	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
SB7-1																										
	1/15/1997	8-10	110 U	15 U	15 U	38 U	15 U	15 U	15 U	120	130	na	na	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
SB7-2																										
	1/15/1997	6-8	62 U	11 U	11 U	27 U	11 U	11 U	11 U	11 U	11 U	na	na	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
SB-8																										
	1/27/1998	2-4	28 U	5.7 U	5.7 U	14 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	na	na	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U
SB8-1																										
	12/31/1996	8-10	110 U	21 U	21 U	53 U	21 U	21 U	21 U	21 U	21 U	na	na	21 U	21 U	21 U	21 U	21 U	1,500 J	21 U	30	21 U	21 U	21 U	21 U	21 U
SB8-10																										
	1/7/1998	4-6	67 U	13 U	13 U	33 U	13 U	13 U	13 U	13 U	13 U	na	na	13 U	13 U	13 U	13 U	13 U	240	13 U	13 U	13 U	13 U	13 U	13 U	13 U
SB8-11																										
	12/26/1997	6-8	26 U	5.2 U	58	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	34,000 J	54	3,800	64	5.2 U	5.2 U	5.2 U	5.2 U
SB8-12																										
	1/6/1998	8-10	66 U	5.7 U	5.7 U	14 U	5.7 U	5.7 U	5.7 U	820	1,000	na	na	5.7 U	5.7 U	5.7 U	5.7 U	230 J	270 J	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U
SB8-13																										
	12/26/1997	0-2	32 U	6.4 U	6.4 U	16 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	na	na	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	50	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U
	12/26/1997	6-8	27 U	5.3 U	5.3 U	13 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	na	na	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
SB8-14																										
	12/29/1997	0-2	24 U	4.8 U	4.8 U	12 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	na	na	4.8 U	4.8 U	4.8 U	4.8 U	11	15,000 J	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
	12/29/1997	8-10	30 U	5.2 U	5.2 U	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	6.9	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
SB8-15																										
	1/7/1998	4-6	44 U	8.7 U	8.7 U	22 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	na	na	8.7 U	8.7 U	8.7 U	8.7 U	9	430 J	13	16	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U
	1/7/1998	8-11.5	49 U	9.9 U	9.9 U	25 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	na	na	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U
SB8-16																										
	12/26/1997	2-4	25 U	5 U	5 U	12 U	5 U	5 U	5 U	5 U	5 U	na	na	5 U	5 U	5 U	5 U	5 U	82	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SB8-17																										
	12/29/1997	0-2	24 U	4.9 U	4.9 U	12 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	na	na	4.9 U	4.9 U	4.9 U	4.9 U	10	6,400	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U
	12/29/1997	8-10	30 U	5.9 U	5.9 U	15 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	na	na	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U
SB8-18																										
	1/13/1998	4-6	71 U	14 U	14 U	35 U	14 U	14 U	14 U	14 U	14 U	na	na	14 U	14 U	14 U	14 U	14 U	160	14 U	14 U	14 U	14 U	14 U	14 U	14 U
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

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Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB8-19																										
	1/7/1998	2-4	48 U	9.7 U	9.7 U	24 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	na	na	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	11	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U
	1/7/1998	6-8	31 U	6.3 U	6.3 U	16 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	na	na	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	37	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
SB8-2																										
	12/27/1996	0-2	41 U	6.8 U	20	17 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	na	na	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	370 J	26	6.8 U	6.8 U	6.8 U	25	6.8 U	6.8 U
	12/27/1996	6-7	82 U	16 U	16 U	41 U	16 U	16 U	16 U	16 U	16 U	na	na	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U
SB8-20																										
	1/21/1998	2-4	49 U,J	9.8 U,J	9.8 U,J	25 U,J	9.8 U,J	9.8 U,J	9.8 U,J	9.8 U,J	9.8 U,J	na	na	9.8 U,J	9.8 U,J	9.8 U,J	9.8 U,J	130 J	4,200 J	98 J	35 J	9.8 U,J	9.8 U,J	10 J	9.8 U,J	9.8 U,J
	1/21/1998	4-6	27 U	5.3 U	5.3 U	13 U	5.3 U	5.3 U	5.3 U	5.3 U,J	5.3 U,J	na	na	5.3 U,J	5.3 U,J	5.3 U,J	5.3 U,J	54 J	1,600 J	5.3 U	9.4	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
	1/21/1998	6-8	22 U	4.5 U	4.5 U	11 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	na	na	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	8.9 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U
SB8-21																										
	12/29/1997	0-2	24 U	4.7 U	4.7 U	12 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	na	na	4.7 U	4.7 U	4.7 U	4.7 U	12	6,700	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
SB8-22																										
	1/7/1998	4-6	7,400 U	670 U	670 U	2,000 U	670 U	670 U	670 U	670 U	1,300 U	na	na	670 U	670 U	670 U	670 U	670 U	15,000 J	670 U	670 U	670 U	670 U	670 U	670 U	670 U
	1/7/1998	8-10	34 U	6.8 U	6.8 U	17 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	na	na	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U
SB8-23																										
	1/13/1998	4-8	31 U	6.3 U	6.3 U	16 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	na	na	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
SB8-24																										
	1/13/1998	0-2	95 U	19 U	19 U	47 U	19 U	19 U	19 U	19 U	19 U	na	na	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
SB8-25																										
	1/20/1998	0-2	33 U,J	6.6 U,J	6.6 U,J	16 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	na	na	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J
	1/20/1998	6-8	34 U	6.9 U	6.9 U	17 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	na	na	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U
SB8-26																										
	1/20/1998	0-2	36 U,J	7.2 U,J	7.2 U,J	18 U,J	7.2 U,J	7.2 U,J	7.2 U,J	7.2 U,J	7.2 U,J	na	na	7.2 U,J	7.2 U,J	7.2 U,J	7.2 U,J	7.2 U,J	350 J	7.2 U,J	7.2 U,J	7.2 U,J	7.2 U,J	7.2 U,J	7.2 U,J	7.2 U,J
	1/20/1998	8-10	23 U	4.6 U	4.6 U	11 U	4.6 U	4.6 U	4.6 U	4.6 U,J	4.6 U,J	na	na	4.6 U,J	4.6 U,J	4.6 U,J	4.6 U,J	4.6 U,J	13	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
SB8-27																										
	1/26/1998	1.6-4.0	26 U	5.2 U	5.2 U	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	51	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
	1/26/1998	4-6	28 U	5.6 U	5.6 U	14 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	na	na	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	70	17	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U
SB8-28																										
	3/25/1998	4-6	38 U,J	7.3 U,J	7.3 U,J	18 U,J	7.3 U,J	7.3 U,J	7.3 U,J	7.3 U,J	7.3 U,J	na	na	7.3 U,J	7.3 U,J	7.3 U,J	7.3 U,J	7.3 U,J	67 J	7.3 U,J	7.3 U,J	7.3 U,J	7.3 U,J	7.3 U,J	7.3 U,J	7.3 U,J
SB8-29																										
	3/25/1998	4-6	31 U	6.2 U	6.2 U	16 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	na	na	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	35	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U
	3/25/1998	6-8	29 U	5.8 U	5.8 U	15 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	na	na	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	190 J	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
SB8-30																										
	3/25/1998	2-4	11,000 U	2,300 U	2,300 U	5,700 U	2,300 U	2,300 U	2,300 U	2,300 U	2,300 U	na	na	2,300 U	2,300 U	2,300 U	2,300 U	2,300 U	5,500	4,300	7,100	2,300 U	2,300 U	2,300 U	2,300 U	2,300 U
	3/25/1998	4-8	12,000 U	2,400 U	2,400 U	6,000 U	2,400 U	2,400 U	2,400 U	2,400 U	2,400 U	na	na	2,400 U	2,400 U	2,400 U	2,400 U	2,400 U	20,000 J	2,400 U	7,500	2,400 U	2,400 U	2,400 U	2,400 U	2,400 U
	3/25/1998	8-12	12,000 U	2,400 U	2,400 U	5,900 U	2,400 U	2,400 U	2,400 U	2,400 U	2,400 U	na	na	2,400 U	2,400 U	2,400 U	2,400 U	2,400 U	2,400 U	2,400 U	2,400 U	2,400 U	2,400 U	2,400 U	2,400 U	2,400 U
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1A
VOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB8-31																										
	3/26/1998	4-6	58 U	12 U	12 U	29 U	12 U	12 U	12 U	12 U	12 U	na	na	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
	3/26/1998	6-8	140 U	27 U	27 U	68 U	27 U	27 U,J	27 U,J	27 U,J	27 U,J	na	na	27 U,J	27 U,J	27 U,J	27 U,J	27 U,J	27 U,J	27 U	27 U	27 U	27 U	27 U	27 U	27 U
SB8-4																										
	1/2/1997	0-2	50 U	4.6 U	4.6 U	12 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	na	na	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	65	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
SB8-5																										
	12/27/1996	4-6	110 U	22 U	22 U	56 U	22 U	22 U	22 U	22 U	22 U	na	na	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U
SB8-6																										
	12/31/1996	6-8	46 U	9.3 U	9.3 U	23 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	na	na	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U
SB8-7																										
	12/27/1996	4-6	37 U	7.5 U	7.5 U	19 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	na	na	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	860 J	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U
	12/27/1996	8-10	49 U	7.8 U	7.8 U	20 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	na	na	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	660 J	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
SB8-8																										
	1/2/1997	4-6	48 U	8 U	8 U	20 U	8 U	8 U	8 U	8 U	8 U	na	na	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U
SB8-9																										
	1/2/1997	2-4	38 U	5.3 U	5.3 U	13 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	na	na	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	140 J	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
	1/2/1997	8-10	39 U	7.8 U	7.8 U	19 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	na	na	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
SB-9																										
	1/28/1998	4-8	56 U	11 U	11 U	28 U	11 U	11 U,J	11 U,J	11 U,J	11 U,J	na	na	11 U,J	11 U,J	11 U,J	11 U,J	11 U,J	26 J	11 U	11 U	11 U	11 U	11 U	11 U	11 U
SB9-11																										
	2/2/1998	4-6	35 U	6.9 U	6.9 U	17 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	na	na	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U
SB9-14																										
	2/2/1998	6-8	35 U	7.1 U	7.1 U	18 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	na	na	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U
SB9-15																										
	2/4/1998	0-4	33 U,J	6.6 U,J	6.6 U,J	16 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	na	na	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J	6.6 U,J
	2/4/1998	5.7-8	53 U,J	11 U,J	11 U,J	26 U,J	11 U,J	11 U	11 U	11 U	11 U	na	na	11 U	11 U	11 U	11 U	11 U	11 U	11 U,J	11 U,J	11 U,J	11 U,J	11 U,J	11 U,J	11 U,J
SB9-16																										
	2/2/1998	6-8	66 U	13 U	13 U	33 U	13 U	13 U	13 U	13 U	13 U	na	na	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U
SB9-3																										
	1/14/1997	2-4	32 U	6.1 U	6.1 U	15 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	na	na	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
SB9-7																										
	2/2/1998	2-4	59 U	12 U	12 U	29 U	12 U	12 U	12 U	12 U	12 U	na	na	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
	2/2/1998	6-8.0	34 U	6.8 U	6.8 U	17 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	na	na	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U
SBA-1																										
	1/15/1997	0-2	44 U	7.1 U	7.1 U	18 U	7.1 U	7.1 U	18 U	7.1 U	8.8 U	na	na	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	21	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U
	1/15/1997	2-3	52 U	6.1 U	6.1 U	15 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	na	na	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

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Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SBA-10																										
	1/30/1998	2-4	74 U	15 U	15 U	37 U	15 U	15 U	15 U	15 U	15 U	na	na	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
SBA-11																										
	1/30/1998	2-4	41 U	8.2 U	8.2 U	20 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	na	na	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U
SBA-2																										
	1/13/1997	2-4	110 U	9.6 U	9.6 U	24 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	na	na	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
	1/13/1997	4-6	210 U	25 U	25 U	61 U	25 U	25 U	25 U	25 U	25 U	na	na	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
SBA-3																										
	1/10/1997	2-4	74 U	5.3 U	5.3 U	13 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	na	na	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
SBA-4																										
	1/27/1998	0-1.7	36 U	7.2 U	7.2 U	18 U	7.2 U	7.2 U,J	7.2 U,J	7.2 U	7.2 U	na	na	7.2 U	7.2 U	7.2 U	7.2 U	7.4	56 J	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U
SBA-5																										
	1/20/1998	2-4	42 U	8.4 U	8.4 U	21 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	na	na	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U
	1/20/1998	8-10	28 U	5.6 U	5.6 U	14 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	na	na	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U
SBA-6																										
	2/3/1998	2-4	48 U	9.6 U	9.6 U	24 U	9.6 U	9.6 U,J	9.6 U,J	9.6 U,J	9.6 U,J	na	na	9.6 U,J	9.6 U,J	9.6 U,J	9.6 U,J	9.6 U,J	10 J	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
	2/3/1998	4-6	37 U	7.5 U	7.5 U	19 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	na	na	7.5 U	7.5 U	7.5 U	7.5 U	12	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U
SBA-7																										
	2/3/1998	4-6.8	48 U	9.6 U	9.6 U	24 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	na	na	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
SBA-8																										
	2/3/1998	2-4	35 U	7.1 U	7.1 U	18 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	na	na	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U
	2/3/1998	6-8	68 U	14 U	14 U	34 U	14 U	14 U	14 U	14 U	14 U	na	na	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
SBA-9																										
	2/4/1998	1.5-4	31 U,J	6.2 U,J	6.2 U,J	15 U,J	6.2 U,J	6.2 U,J	6.2 U,J	6.2 U,J	6.2 U,J	na	na	6.2 U,J	6.2 U,J	6.2 U,J	6.2 U,J	6.2 U,J	6.2 U,J	6.2 U,J	6.2 U,J	6.2 U,J	6.2 U,J	6.2 U,J	6.2 U,J	6.2 U,J
	2/4/1998	6-8	40 U	8 U	8 U	20 U	8 U	8 U	8 U	8 U	8 U	na	na	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U
SBD-1																										
	2/3/1998	3-3.5	51 U	10 U	10 U	26 U	10 U	10 U	10 U	10 U	10 U	na	na	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
SBD-2																										
	2/3/1998	2-2.5	38 U	7.5 U	7.5 U	19 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	na	na	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U
SBSC-1																										
	1/9/1997	4-6	64 U	13 U	13 U	32 U	13 U	13 U	13 U	13 U	13 U	na	na	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U
SBSC-2																										
	1/9/1997	6-8	140 U	11 U	11 U	28 U	11 U	11 U	11 U	11 U	11 U	na	na	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
SBSC-3																										
	1/9/1997	8-10	340 U	15 U	15 U	38 U	15 U	15 U	15 U	15 U	15 U	na	na	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
	1/9/1997	10-11	68 U	8.8 U	8.8 U	22 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	na	na	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1A
VOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SBSC-4	2/3/1998	8-10	74 U	15 U	15 U	37 U	15 U	15 U	15 U	15 U	15 U	na	na	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
SBSC-5	2/4/1998	6-8	160 U	13 U	13 U	32 U	13 U	13 U	13 U	13 U	13 U	na	na	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U
SP1	10/27/1994	-	200	na	0.53 U	18.53 U	0.41 U	0.65 U	0.65 U	0.75 U	na	1.43 U	0.9 U	0.58 U	0.68 U	1.12 U	0.75 U	0.75 U	0.75 U	0.58 U	0.92 U	0.97 U	1.36 U	1.43 U	na	na
SP2	10/27/1994	-	200	na	0.53 U	na	0.41 U	0.65 U	0.65 U	0.75 U	na	1.43 U	0.9 U	0.58 U	0.68 U	1.12 U	0.75 U	0.75 U	2.45 U	0.58 U	0.92 U	0.97 U	1.36 U	1.43 U	na	na
SS-1	10/8/1996	-	30 U	5.9 U	5.9 U	15 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	na	na	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U
SS-13	10/8/1996	-	79 U	16 U	16 U	40 U	16 U	16 U	16 U	16 U	16 U	na	na	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U
SS-19	10/8/1996	-	30 U	6 U	6 U	15 U	6 U	6 U	6 U	6 U	6 U	na	na	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
SS-27	10/8/1996	-	29 U	5.8 U	5.8 U	15 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	na	na	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
SS-5	12/18/1997	-	24 U	4.7 U	4.7 U	12 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	na	na	4.7 U	4.7 U	4.7 U	4.7 U	8.4	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
SS-6	12/18/1997	-	28 U	5.5 U	5.5 U	14 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	na	na	5.5 U	5.5 U	5.5 U	5.5 U	9.8	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U
SS-9	10/8/1996	-	26 U	5.2 U	5.2 U	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U

Notes:
Concentrations are reported in ug/kg (ppb).
MEK = methyl ethyl ketone.
MTBE = methyl tertiary butyl ether.
PCE = tetrachloroethylene.
TCE = trichloroethylene.
1,1,1-TCA = 1,1,1-trichloroethane.
cis-DCE = cis-1,2-dichloroethylene.
trans-DCE = trans-1,2-dichloroethylene.
1,1-DCE = 1,1-dichloroethylene.
1,1-DCA = 1,1-dichloroethane.
U = compound was not detected at the indicated concentration.
J = estimated value.
na = not analyzed.
- = data not collected/not available.
= concentration exceeds residential DEC and GAPMC.
= concentration exceeds residential DEC, industrial/commercial DEC and GAPMC.
= concentration exceeds GAPMC.

CLEANUP CRITERIA	Residential DEC	500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC	1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-
	GAPMC	14,000	14,000	120	8,000	2,000	20	20,000	10,100	19,500	2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
GP-1																										
	10/29/1996	0-2	na	na	na	na	na	7.79 U	11.8 U	na	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	10/29/1996	2-4	na	na	na	na	na	6.85 U	10.3 U	na	na	na	na	na	na	na	na	18.5 U	175	185 U	na	na	na	na	na	na
	10/29/1996	4-6	na	na	na	na	na	6.97 U	10.5 U	na	na	na	na	na	na	na	na	18.8 U	82	188 U	na	na	na	na	na	na
	10/29/1996	6-8	na	na	na	na	na	7.5 U	11.3 U	na	na	na	na	na	na	na	na	20.2 U	10 J	203 U	na	na	na	na	na	na
	10/29/1996	8-10	na	na	na	na	na	6.31 U	9.52 U	na	na	na	na	na	na	na	na	17 U	58	170 U	na	na	na	na	na	na
GP-10																										
	10/30/1996	0-2	na	na	na	na	na	6.63 U	10 U	14.3 U	28 U	na	na	na	na	na	na	17.9 U	5 J	179 U	na	na	na	na	na	na
	10/30/1996	2-4	na	na	na	na	na	8.28 U	12.5 U	17.8 U	36 U	na	na	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
	10/30/1996	4-6	na	na	na	na	na	6.02 U	9.09 U	13 U	26 U	na	na	na	na	na	na	16.3 U	108	163 U	na	na	na	na	na	na
	10/30/1996	6-8	na	na	na	na	na	5.85 U	8.82 U	12.6 U	25 U	na	na	na	na	na	na	15.8 U	16 J	158 U	na	na	na	na	na	na
	10/30/1996	8-10	na	na	na	na	na	7.95 U	12 U	17.1 U	34 U	na	na	na	na	na	na	21.5 U	20 J	215 U	na	na	na	na	na	na
GP-2																										
	10/29/1996	0-2	na	na	na	na	na	7.95 U	12 U	na	na	na	na	na	na	na	na	21.5 U	73	215 U	na	na	na	na	na	na
	10/29/1996	2-4	na	na	na	na	na	6.31 U	9.52 U	na	na	na	na	na	na	na	na	5 J	66	170 U	na	na	na	na	na	na
	10/29/1996	4-6	na	na	na	na	na	7.5 U	11.3 U	na	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	10/29/1996	6-8	na	na	na	na	na	6.41 U	9.68 U	na	na	na	na	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
	10/29/1996	8-10	na	na	na	na	na	6.97 U	10.5 U	na	na	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
GP-3																										
	10/29/1996	0-2	na	na	na	na	na	6.31 U	9.52 U	na	na	na	na	na	na	na	na	17 U	16.8 U	170 U	na	na	na	na	na	na
	10/29/1996	2-4	na	na	na	na	na	7.95 U	12 U	na	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	10/29/1996	4-6	na	na	na	na	na	6.97 U	10.5 U	na	na	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	10/29/1996	6-8	na	na	na	na	na	7.5 U	11.3 U	na	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	10/29/1996	8-10	na	na	na	na	na	6.41 U	9.68 U	na	na	na	na	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
	10/29/1996	8-10	na	na	na	na	na	6.52 U	9.84 U	na	na	na	na	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
GP-4																										
	10/29/1996	0-2	na	na	na	na	na	5.85 U	8.82 U	na	na	na	na	na	na	na	na	15.8 U	15.6 U	158 U	na	na	na	na	na	na
	10/29/1996	2-4	na	na	na	na	na	7.1 U	10.7 U	na	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	10/29/1996	4-6	na	na	na	na	na	5.76 U	8.7 U	na	na	na	na	na	na	na	na	15.5 U	15.3 U	156 U	na	na	na	na	na	na
	10/29/1996	6-8	na	na	na	na	na	6.74 U	10.2 U	na	na	na	na	na	na	na	na	18.2 U	9 J	10 J	na	na	na	na	na	na
	10/29/1996	8-9	na	na	na	na	na	6.63 U	10 U	na	na	na	na	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
GP-5																										
	10/29/1996	0-2	na	na	na	na	na	7.23 U	10.9 U	15.5 U	31 U	na	na	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	10/29/1996	2-4	na	na	na	na	na	7.1 U	10.7 U	15.3 U	30 U	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	10/29/1996	4-6	na	na	na	na	na	6.97 U	10.5 U	15 U	30 U	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	10/29/1996	6-8	na	na	na	na	na	8.46 U	12.8 U	18.2 U	36 U	na	na	na	na	na	na	22.8 U	22.5 U	229 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
GP-6																										
	10/29/1996	0-2	na	na	na	na	na	8.46 U	12.8 U	18.2 U	36 U	na	na	na	na	na	na	22.8 U	22.5 U	229 U	na	na	na	na	na	na
	10/29/1996	2-4	na	na	na	na	na	6.97 U	10.5 U	15 U	30 U	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	10/29/1996	4-6	na	na	na	na	na	6.97 U	10.5 U	15 U	30 U	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	10/29/1996	6-8	na	na	na	na	na	7.36 U	11.1 U	15.8 U	32 U	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
GP-7																										
	10/30/1996	0-2	na	na	na	na	na	6.12 U	9.23 U	13.2 U	26 U	na	na	na	na	na	na	16.5 U	16.3 U	165 U	na	na	na	na	na	na
	10/30/1996	2-4	na	na	na	na	na	7.23 U	10.9 U	15.5 U	31 U	na	na	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	10/30/1996	4-6	na	na	na	na	na	6.21 U	9.38 U	13.4 U	27 U	na	na	na	na	na	na	16.8 U	16.5 U	168 U	na	na	na	na	na	na
	10/30/1996	6-8	na	na	na	na	na	7.5 U	11.3 U	16.1 U	32 U	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
GP-8																										
	10/30/1996	0-2	na	na	na	na	na	7.1 U	10.7 U	15.3 U	30 U	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	10/30/1996	2-4	na	na	na	na	na	6.97 U	10.5 U	15 U	30 U	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	10/30/1996	4-6	na	na	na	na	na	6.85 U	10.3 U	14.7 U	29 U	na	na	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	10/30/1996	6-8	na	na	na	na	na	6.02 U	9.09 U	13 U	26 U	na	na	na	na	na	na	16.3 U	16 U	163 U	na	na	na	na	na	na
GP-9																										
	10/30/1996	0-2	na	na	na	na	na	8.46 U	12.8 U	18.2 U	36 U	na	na	na	na	na	na	22.8 U	22.5 U	229 U	na	na	na	na	na	na
	10/30/1996	2-4	na	na	na	na	na	6.21 U	9.38 U	13.4 U	27 U	na	na	na	na	na	na	16.8 U	25	168 U	na	na	na	na	na	na
	10/30/1996	4-6	na	na	na	na	na	7.95 U	12 U	17.1 U	34 U	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	10/30/1996	6-8	na	na	na	na	na	6.52 U	9.84 U	14 U	28 U	na	na	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
MW-10																										
	1/3/1997	0-2	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/3/1997	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/3/1997	4-6	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/3/1997	6-8	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
MW-11D																										
	12/30/1996	0-2	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	8 J	10 J	192 U	na	na	na	na	na	na
	12/30/1996	2-4	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	8 J	192 U	na	na	na	na	na	na
	12/30/1996	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	9 J	9 J	211 U	na	na	na	na	na	na
MW-13D																										
	1/7/1998	0-2	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	9 J	199 U	na	na	na	na	na	na
	1/7/1998	2-4	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	1/7/1998	4-6	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/7/1998	6-8	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/7/1998	8-10	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/7/1998	8-10	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-14																										
	12/31/1997	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/31/1997	2-4	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	12/31/1997	4-6	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/31/1997	6-8	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/31/1997	8-10	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
MW-17D																										
	1/5/1998	0-2	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	1/5/1998	4-5.75	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
MW-18D																										
	1/14/1998	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/14/1998	2-4	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/14/1998	4-6	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/14/1998	6-8	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/14/1998	8-10	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/14/1998	8-10	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
MW-19																										
	12/24/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	654 B	211 U	na	na	na	na	na	na
	12/24/1997	2-4	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	776 J,B	188 U	na	na	na	na	na	na
	12/24/1997	4-6	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	301 B	207 U	na	na	na	na	na	na
	12/24/1997	6-8	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	21 J,B	211 U	na	na	na	na	na	na
	12/24/1997	8-10	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	9.07 U	18.4 U	na	na	na	na	17.3 U	47 B	173 U	na	na	na	na	na	na
MW-20																										
	1/20/1998	0-2	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	211 U	na	na	na	na	na	na
	1/20/1998	2-4	na	na	na	na	na	7 U	10 U	15 U	na	10 U	19 U	na	na	na	na	18 U	18 U	182 U	na	na	na	na	na	na
	1/20/1998	4-6	na	na	na	na	na	8 U	11 U	16 U	na	11 U	22 U	na	na	na	na	20 U	20 U	203 U	na	na	na	na	na	na
	1/20/1998	6-8	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	20 U	199 U	na	na	na	na	na	na
	1/20/1998	8-10	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	195 U	na	na	na	na	na	na
MW-21																										
	1/2/1998	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
MW-22																										
	1/20/1998	0-2	na	na	na	na	na	8 U	12 U	17 U	na	12 U	23 U	na	na	na	na	22 U	22 U	219 U	na	na	na	na	na	na
	1/20/1998	4-6	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	211 U	na	na	na	na	na	na
	1/20/1998	6-8	na	na	na	na	na	8 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	207 U	na	na	na	na	na	na
	1/20/1998	8-10	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	211 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-23D																										
	1/12/1998	0-2	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/12/1998	2-4	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/12/1998	4-6	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	106	192 U	na	na	na	na	na	na
	1/12/1998	6-8	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	6 J	182 U	na	na	na	na	na	na
	1/12/1998	8-10	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	11.7 U	23.8 U	na	na	na	na	22.3 U	46	224 U	na	na	na	na	na	na
MW-24BR																										
	2/18/1998	0-2	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	19 J	200 U	na	na	na	na	na	na
	2/18/1998	5-7	na	na	na	na	na	8 U	11 U	11 U	na	8 U	16 U	na	na	na	na	12 U	19 U	190 U	na	na	na	na	na	na
MW-25																										
	1/14/1998	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/14/1998	2-4	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
MW-26																										
	2/10/1998	0-4	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	12 U	18 U	190 U	na	na	na	na	na	na
MW-27D																										
	1/13/1998	0-2	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/13/1998	4-6	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/13/1998	6-8	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
MW-28																										
	12/31/1997	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	12/31/1997	2-4	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	12/31/1997	6-8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	27 J	207 U	na	na	na	na	na	na
	12/31/1997	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
MW-29BR																										
	2/17/1998	0-2	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	3 J	130	170 U	na	na	na	na	na	na
	2/17/1998	5-7	na	na	na	na	na	8 U	12 U	12 U	na	9 U	17 U	na	na	na	na	13 U	2,300 J	200 U	na	na	na	na	na	na
MW-30BR																										
	2/19/1998	0-2	na	na	na	na	na	8 U	11 U	11 U	na	8 U	16 U	na	na	na	na	12 U	19 U	190 U	na	na	na	na	na	na
	2/19/1998	5-7	na	na	na	na	na	7 U	10 U	11 U	na	8 U	15 U	na	na	na	na	11 U	18 U	180 U	na	na	na	na	na	na
MW-31BR																										
	2/25/1998	5-7	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	4 J	37	160 U	na	na	na	na	na	na
MW-32																										
	3/23/1998	0-2	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	200 U	na	na	na	na	na	na
	3/23/1998	2-4	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	22 U	22 U	220 U	na	na	na	na	na	na
	3/23/1998	4-6	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
	3/23/1998	6-8	na	na	na	na	na	7 U	10 U	15 U	na	10 U	20 U	na	na	na	na	18 U	18 U	190 U	na	na	na	na	na	na
	3/23/1998	6-8	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	210 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-33																										
	3/23/1998	0-2	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	210 U	na	na	na	na	na	na
	3/23/1998	2-4	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	210 U	na	na	na	na	na	na
	3/23/1998	4-6	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
	3/23/1998	6-8	na	na	na	na	na	6 U	9 U	13 U	na	8 U	17 U	na	na	na	na	16 U	16 U	160 U	na	na	na	na	na	na
MW-34																										
	3/23/1998	0-2	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	25	200 U	na	na	na	na	na	na
	3/23/1998	2-4	na	na	na	na	na	7 U	10 U	10 U	na	7 U	13 U	na	na	na	na	3 J	54	170 U	na	na	na	na	na	na
	3/23/1998	4-6	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
	3/23/1998	6-8	na	na	na	na	na	6 U	10 U	14 U	na	9 U	18 U	na	na	na	na	17 U	17 U	170 U	na	na	na	na	na	na
	3/23/1998	8-10	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	4 J	180 U	na	na	na	na	na	na
MW-6																										
	10/17/1996	0-2	na	na	na	na	na	6.52 U	9.84 U	14 U	436 U	na	na	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	10/17/1996	2-4	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	na	na	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
	10/17/1996	4-6	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	10/17/1996	6-8	na	na	na	na	na	6.02 U	9.09 U	13 U	na	na	na	na	na	na	na	16.3 U	16 U	163 U	na	na	na	na	na	na
	10/17/1996	8-10	na	na	na	na	na	6.02 U	9.09 U	13 U	na	na	na	na	na	na	na	16.3 U	16 U	163 U	na	na	na	na	na	na
	10/17/1996	10-12	na	na	na	na	na	6.63 U	10 U	14.3 U	na	na	na	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
MW-7																										
	10/17/1996	0-2	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	na	na	na	na	na	na	19.5 U	5 J	195 U	na	na	na	na	na	na
	10/17/1996	2-4	na	na	na	na	na	6.12 U	9.23 U	13.2 U	370 U	na	na	na	na	na	na	16.5 U	2 U	165 U	na	na	na	na	na	na
	10/17/1996	4-6	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	10/17/1996	6-8	na	na	na	na	na	5.52 U	8.33 U	11.9 U	na	na	na	na	na	na	na	14.9 U	14.7 U	149 U	na	na	na	na	na	na
MW-8																										
	10/18/1996	0-2	na	na	na	na	na	8.46 U	12.8 U	18.2 U	36 U	na	na	na	na	na	na	22.8 U	6 J	229 U	na	na	na	na	na	na
	10/18/1996	2-4	na	na	na	na	na	7.23 U	10.9 U	15.5 U	31 U	na	na	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	10/18/1996	4-6	na	na	na	na	na	6.31 U	9.52 U	13.6 U	27 U	na	na	na	na	na	na	17 U	16.8 U	170 U	na	na	na	na	na	na
MW-9																										
	10/18/1996	0-2	na	na	na	na	na	6.52 U	9.84 U	14 U	28 U	na	na	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	10/18/1996	2-4	na	na	na	na	na	8.28 U	12.5 U	17.8 U	426 U	na	na	na	na	na	na	22.3 U	60 U	224 U	na	na	na	na	na	na
	10/18/1996	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	78	211 U	na	na	na	na	na	na
	10/18/1996	6-8	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	na	na	na	na	na	na	19.5 U	39	195 U	na	na	na	na	na	na
SB-1																										
	1/14/1998	0-2	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB-10																										
	1/30/1998	0-2	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/30/1998	2-4	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/30/1998	4-6	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	1/30/1998	6-8	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	1/30/1998	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
SB10-1																										
	1/3/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	7 J	211 U	na	na	na	na	na	na
	1/3/1997	2-4	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	na	na	na	na	na	na	18.2 U	20 J	182 U	na	na	na	na	na	na
	1/3/1997	4-6	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/3/1997	6-7.5	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	na	na	na	na	na	na	22.8 U	22.5 U	229 U	na	na	na	na	na	na
SB10-2																										
	1/6/1997	0-2	na	na	na	na	na	6.74 U	10.2 U	na	na	na	na	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/6/1997	2-4	na	na	na	na	na	7.36 U	11.1 U	na	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/6/1997	4-6	na	na	na	na	na	6.52 U	9.84 U	na	na	na	na	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	1/6/1997	6-8	na	na	na	na	na	7.1 U	10.7 U	na	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	1/6/1997	6-8	na	na	na	na	na	6.63 U	10 U	na	na	na	na	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/6/1997	8-9.5	na	na	na	na	na	6.63 U	10 U	na	na	na	na	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
SB10-3																										
	1/6/1997	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/6/1997	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/6/1997	4-6	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	na	na	na	na	na	na	22.8 U	22.5 U	229 U	na	na	na	na	na	na
	1/6/1997	6-8	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/6/1997	8-9	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
SB10-4																										
	1/2/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/2/1997	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/2/1997	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/2/1997	6-8	na	na	na	na	na	6.31 U	9.52 U	13.6 U	na	na	na	na	na	na	na	17 U	16.8 U	170 U	na	na	na	na	na	na
	1/2/1997	8-10	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
SB10-5																										
	1/6/1997	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	4 J	215 U	na	na	na	na	na	na
	1/6/1997	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	4 J	211 U	na	na	na	na	na	na
	1/6/1997	4-6	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/6/1997	6-8	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	na	na	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	1/6/1997	8-10	na	na	na	na	na	7.36 U	11.1 U	na	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na

CLEANUP CRITERIA	Residential DEC	500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC	1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC	14,000	14,000	120	8,000	2,000	20	20,000	10,100	19,500	2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB10-6																										
	1/3/1997	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/3/1997	2-4	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	7 J	219 U	na	na	na	na	na	na
	1/3/1997	4-6	na	na	na	na	na	6.97 U	10.5 U	15 U	na	na	na	na	na	na	na	18.8 U	5 J	188 U	na	na	na	na	na	na
	1/3/1997	6-7	na	na	na	na	na	9.46 U	14.3 U	20.4 U	na	na	na	na	na	na	na	25.5 U	25.2 U	256 U	na	na	na	na	na	na
SB10-6no																										
	1/2/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
SB10-7																										
	1/2/1997	0-2	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/2/1997	2-4	na	na	na	na	na	8.64 U	13 U	18.6 U	na	na	na	na	na	na	na	20 J	4 J	804	na	na	na	na	na	na
	1/2/1997	4-6	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	20 J	7 J	10 J	na	na	na	na	na	na
	1/2/1997	6-8	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	141	28 J	200 J	na	na	na	na	na	na
SB10-8																										
	1/2/1997	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	9 J	215 U	na	na	na	na	na	na
	1/3/1997	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/3/1997	4-5	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	na	na	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
SB-11																										
	1/30/1998	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/30/1998	2-4	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/30/1998	4-6	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/30/1998	6-8	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/30/1998	8-10	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
SB1-1																										
	12/17/1996	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	33 U	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/17/1996	2-4	na	na	na	na	na	7.5 U	11.3 U	16.1 U	32 U	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	12/17/1996	4-6	na	na	na	na	na	8.11 U	12.2 U	17.4 U	35 U	na	na	na	na	na	na	21.9 U	115	219 U	na	na	na	na	na	na
SB1-10																										
	12/29/1997	0-2	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	12/29/1997	2-4	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	12/29/1997	4-6	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
SB1-11																										
	12/30/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	21 U	211 U	na	na	na	na	na	na
	12/30/1997	2-4	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/30/1997	4-6	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB1-12																										
	3/24/1998	0-2	na	na	na	na	na	7 U	10 U	11 U	na	8 U	14 U	na	na	na	na	11 U	17 U	180 U	na	na	na	na	na	na
	3/24/1998	2-4	na	na	na	na	na	8 U	11 U	11 U	na	8 U	16 U	na	na	na	na	12 U	19 U	190 U	na	na	na	na	na	na
	3/24/1998	4-6	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	11 U	6 J	170 U	na	na	na	na	na	na
SB-12																										
	10/30/1997	0-2	na	na	na	na	na	7.36 U	11.1 U	99	na	246	283	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	10/30/1997	2-4	na	na	na	na	na	6.21 U	9.38 U	13.4 U	na	8.79 U	17.8 U	na	na	na	na	16.8 U	16.5 U	168 U	na	na	na	na	na	na
	10/30/1997	2-4	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
SB1-2																										
	12/18/1996	0-2	na	na	na	na	na	8.46 U	12.8 U	18.2 U	36 U	na	na	na	na	na	na	22.8 U	22.5 U	229 U	na	na	na	na	na	na
	12/18/1996	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	33 U	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/18/1996	4-6	na	na	na	na	na	7.5 U	11.3 U	16.1 U	32 U	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
SB-13																										
	1/28/1998	0-2	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/28/1998	2-4	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/28/1998	4-6	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	20 J	195 U	na	na	na	na	na	na
	1/28/1998	6-8	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	33	203 U	na	na	na	na	na	na
SB1-3																										
	12/18/1996	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	20 J	215 U	na	na	na	na	na	na
	12/18/1996	4-6	na	na	na	na	na	7.95 U	12 U	17.1 U	na	9 J	77	na	na	na	na	21.5 U	20 J	215 U	na	na	na	na	na	na
	12/18/1996	6-8	na	na	na	na	na	8.28 U	12.5 U	4 J	na	11.7 U	23.8 U	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
SB-14																										
	10/30/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	10/30/1997	2-3.8	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
SB1-4																										
	12/19/1996	0-2	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	na	na	na	na	na	na	22.8 U	22.5 U	229 U	na	na	na	na	na	na
	12/19/1996	2-4	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	52	224 U	na	na	na	na	na	na
	12/19/1996	4-6	na	na	na	na	na	6.63 U	10 U	14.3 U	na	na	na	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	12/19/1996	6-8	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	na	na	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
SB-15																										
	1/27/1998	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/27/1998	2-4	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	1/27/1998	4-6	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/27/1998	6-8	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB1-5																										
	12/19/1996	0-2	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
	12/19/1996	2-4	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/19/1996	4-6	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	12/19/1996	6-8	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
SB-16																										
	1/27/1998	0-2	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/27/1998	2-4	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	10 J	195 U	na	na	na	na	na	na
	1/27/1998	4-6	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	3 J	195 U	na	na	na	na	na	na
	1/27/1998	6-8	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/27/1998	8-10	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
SB1-6																										
	12/22/1997	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	57 B	207 U	na	na	na	na	na	na
	12/22/1997	2-4	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	74 B	199 U	na	na	na	na	na	na
	12/22/1997	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	54 B	211 U	na	na	na	na	na	na
SB-17																										
	1/27/1998	0-2	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/27/1998	2-4	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	2 J	179 U	na	na	na	na	na	na
	1/27/1998	4-8	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
SB1-7																										
	12/22/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	44 B	211 U	na	na	na	na	na	na
	12/22/1997	2-4	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	99 B	215 U	na	na	na	na	na	na
	12/22/1997	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	32 B	211 U	na	na	na	na	na	na
SB-18																										
	10/30/1997	0-2	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	10/30/1997	2-4	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	10/30/1997	4-6	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	3 J	199 U	na	na	na	na	na	na
	10/30/1997	6-8	na	na	na	na	na	6.21 U	9.38 U	13.4 U	na	8.79 U	17.8 U	na	na	na	na	16.8 U	2 J	562 J	na	na	na	na	na	na
	10/30/1997	8-10	na	na	na	na	na	6.21 U	9.38 U	13.4 U	na	8.79 U	17.8 U	na	na	na	na	16.8 U	10 J	1,500	na	na	na	na	na	na
	10/30/1997	10-12	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	21 J	40 J	3,200	na	na	na	na	na	na
SB1-8																										
	12/22/1997	0-2	na	na	na	na	na	9 U	13 U	19 U	na	13 U	25 U	na	na	na	na	24 U	32 J,B	240 U	na	na	na	na	na	na
	12/22/1997	2-4	na	na	na	na	na	9 U	13 U	18 U	na	12 U	24 U	na	na	na	na	23 U	150 B	230 U	na	na	na	na	na	na
	12/22/1997	4-6	na	na	na	na	na	8 U	29 J	970 J	na	11 U	23 U	na	na	na	na	120	50 B	220 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB-19																										
	10/31/1997	0-2	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	9.07 U	18.4 U	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
	10/31/1997	2-4	na	na	na	na	na	5.85 U	8.82 U	12.6 U	na	8.27 U	16.8 U	na	na	na	na	15.8 U	15.6 U	158 U	na	na	na	na	na	na
	10/31/1997	4-6	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	22 J	188 U	na	na	na	na	na	na
	10/31/1997	6-8	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	10/31/1997	8-10	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	10/31/1997	10-12	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
SB1-9																										
	12/29/1997	0-2	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	12/29/1997	2-4	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	20 J,B	215 U	na	na	na	na	na	na
	12/29/1997	4-6	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
SB-2																										
	1/23/1998	0-2	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/23/1998	2-4	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	1 J	1 J	203 U	na	na	na	na	na	na
	1/23/1998	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/23/1998	6-8	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	3 J	195 U	na	na	na	na	na	na
SB-20																										
	1/26/1998	0-2	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	2 J	185 U	na	na	na	na	na	na
	1/26/1998	2-4	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	1/26/1998	4-6	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/26/1998	6-8	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	221	188 U	na	na	na	na	na	na
SB-21																										
	1/26/1998	0-2	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	31	182 U	na	na	na	na	na	na
	1/26/1998	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	5 J	211 U	na	na	na	na	na	na
	1/26/1998	4-6	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	7 J	185 U	na	na	na	na	na	na
	1/26/1998	6-8	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	242	182 U	na	na	na	na	na	na
	1/26/1998	8-8.3	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	159	179 U	na	na	na	na	na	na
SB2-1																										
	12/20/1996	0-2	na	na	na	na	na	9.46 U	14.3 U	20.4 U	na	na	na	na	na	na	na	25.5 U	25.2 U	256 U	na	na	na	na	na	na
	12/20/1996	4-6	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/20/1996	4-6	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	12/20/1996	6-8	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
SB-22																										
	1/26/1998	0-2	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/26/1998	2-4	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	1/26/1998	4-6	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/26/1998	6-8	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB2-2																										
	12/20/1996	0-2	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	na	na	na	na	na	na	22.8 U	22.5 U	229 U	na	na	na	na	na	na
	12/20/1996	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/20/1996	4-6	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	na	na	na	na	na	na	18.2 U	10 J	182 U	na	na	na	na	na	na
	12/20/1996	6-8	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
SB-23																										
	10/31/1997	0-2	na	na	na	na	na	6.12 U	9.23 U	13.2 U	na	8.65 U	17.5 U	na	na	na	na	16.5 U	16.3 U	165 U	na	na	na	na	na	na
	10/31/1997	2-4	na	na	na	na	na	6.12 U	9.23 U	13.2 U	na	8.65 U	17.5 U	na	na	na	na	16.5 U	76 J	165 U	na	na	na	na	na	na
	10/31/1997	4-6	na	na	na	na	na	6.21 U	9.38 U	13.4 U	na	8.79 U	17.8 U	na	na	na	na	20 J	32 J	168 U	na	na	na	na	na	na
	10/31/1997	6-8	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	12 U	24.3 U	na	na	na	na	59 J	20 J	229 U	na	na	na	na	na	na
	10/31/1997	8-10	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	20 J	26 J	195 U	na	na	na	na	na	na
	10/31/1997	10-12	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	51 J	17.6 U	179 U	na	na	na	na	na	na
SB2-3																										
	12/30/1997	0-2	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	12/30/1997	0-2	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	12/30/1997	2-4	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	12/30/1997	4-8	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
SB-24																										
	10/31/1997	0-2	na	na	na	na	na	6.02 U	9.09 U	13 U	na	8.52 U	17.3 U	na	na	na	na	16.3 U	16 U	163 U	na	na	na	na	na	na
	10/31/1997	2-4	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	10/31/1997	4-6	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	10/31/1997	6-8	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	10/31/1997	8-10	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	9.07 U	18.4 U	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
SB2-4																										
	12/30/1997	0-2	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/30/1997	2-4	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/30/1997	4-8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
SB-25																										
	1/21/1998	0-2	na	na	na	na	na	8 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	210 U	na	na	na	na	na	na
	1/21/1998	2-4	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	5 J	190 U	na	na	na	na	na	na
	1/21/1998	2-4	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	210 U	na	na	na	na	na	na
	1/21/1998	4-7.5	na	na	na	na	na	8 U	11 U	16 U	na	11 U	22 U	na	na	na	na	20 U	43	200 U	na	na	na	na	na	na
SB2-5																										
	12/31/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/31/1997	2-4	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	12/31/1997	4-6	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	12/31/1997	6-8	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na

CLEANUP CRITERIA	Residential DEC	500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC	1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC	14,000	14,000	120	8,000	2,000	20	20,000	10,100	19,500	2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB-26																										
	1/23/1998	0-2	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	3 J	199 U	na	na	na	na	na	na
	1/23/1998	2-4	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	1/23/1998	4-6	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	71	179 U	na	na	na	na	na	na
SB2-6																										
	12/31/1997	0-2	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	12/31/1997	2-4	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	12/31/1997	4-6	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	61.5 U	na	na	na	na	na
	12/31/1997	6-8	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
SB-27																										
	1/21/1998	0-2	na	na	na	na	na	8 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	210 U	na	na	na	na	na	na
	1/21/1998	2-4	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	200 U	na	na	na	na	na	na
	1/21/1998	4-6	na	na	na	na	na	8 U	11 U	16 U	na	11 U	22 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
	1/21/1998	6-8	na	na	na	na	na	7 U	10 U	14 U	na	10 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
SB-28																										
	3/24/1998	0-2	na	na	na	na	na	6 U	10 U	14 U	na	9 U	18 U	na	na	na	na	17 U	17 U	170 U	na	na	na	na	na	na
	3/24/1998	2-4	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	21 U	21 U	210 U	na	na	na	na	na	na
	3/24/1998	4-6	na	na	na	na	na	8 U	11 U	16 U	na	11 U	22 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
	3/24/1998	6-8	na	na	na	na	na	8 U	11 U	16 U	na	11 U	22 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
SB-29																										
	3/24/1998	0-2	na	na	na	na	na	7 U	10 U	15 U	na	10 U	20 U	na	na	na	na	18 U	18 U	190 U	na	na	na	na	na	na
	3/24/1998	2-4	na	na	na	na	na	8 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	210 U	na	na	na	na	na	na
	3/24/1998	4-6	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
	3/24/1998	6-8	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
SB-3																										
	1/14/1998	0-2	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/14/1998	2-4	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	1/14/1998	4-6	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/14/1998	6-8	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
SB-30																										
	3/24/1998	0-2	na	na	na	na	na	7 U	10 U	11 U	na	8 U	15 U	na	na	na	na	11 U	18 U	180 U	na	na	na	na	na	na
	3/24/1998	2-4	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	11 U	17 U	170 U	na	na	na	na	na	na
	3/24/1998	4-6	na	na	na	na	na	7 U	10 U	10 U	na	7 U	13 U	na	na	na	na	10 U	16 U	170 U	na	na	na	na	na	na
	3/24/1998	6-8	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	10 U	15 U	160 U	na	na	na	na	na	na
SB-31																										
	3/24/1998	0-4	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	22 U	22 U	220 U	na	na	na	na	na	na
	3/24/1998	4-6	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	9 J	190 U	na	na	na	na	na	na
	3/24/1998	6-8	na	na	na	na	na	6 U	9 U	13 U	na	9 U	18 U	na	na	na	na	17 U	4 J	170 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB-32																										
	3/24/1998	0-2	na	na	na	na	na	8 U	11 U	11 U	na	8 U	16 U	na	na	na	na	12 U	12 J	190 U	na	na	na	na	na	na
	3/24/1998	2-4	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	10 U	12 J	160 U	na	na	na	na	na	na
	3/24/1998	4-6	na	na	na	na	na	6 U	9 U	9 U	na	7 U	13 U	na	na	na	na	10 U	3 J	160 U	na	na	na	na	na	na
	3/24/1998	6-8	na	na	na	na	na	7 U	10 U	3 J	na	8 U	15 U	na	na	na	na	11 U	18 U	180 U	na	na	na	na	na	na
SB-33																										
	3/24/1998	0-2	na	na	na	na	na	7 U	10 U	14 U	na	10 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
	3/24/1998	2-4	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	11 U	18 U	180 U	na	na	na	na	na	na
	3/24/1998	4-6	na	na	na	na	na	8 U	13 U	18 U	na	12 U	24 U	na	na	na	na	22 U	22 U	220 U	na	na	na	na	na	na
	3/24/1998	6-8	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
SB-34																										
	3/24/1998	0-2	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	10 U	34	170 U	na	na	na	na	na	na
	3/24/1998	2-4	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	47	200 U	na	na	na	na	na	na
	3/24/1998	4-8	na	na	na	na	na	8 U	11 U	11 U	na	8 U	16 U	na	na	na	na	12 U	83	190 U	na	na	na	na	na	na
SB-35																										
	3/24/1998	0-2	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
	3/24/1998	2-4	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
SB-36																										
	3/24/1998	0-2	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
	3/24/1998	2-4	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
SB-37																										
	3/24/1998	0-2	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
	3/24/1998	2-4	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	11 U	30	170 U	na	na	na	na	na	na
	3/24/1998	4-6	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	12 J	160	180 U	na	na	na	na	na	na
SB-38																										
	3/23/1998	0-2	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	19 U	200 U	na	na	na	na	na	na
	3/23/1998	2-4	na	na	na	na	na	7 U	10 U	11 U	na	8 U	15 U	na	na	na	na	11 U	18 U	180 U	na	na	na	na	na	na
	3/23/1998	4-6	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	10 U	16 U	160 U	na	na	na	na	na	na
	3/23/1998	6-7.5	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	19 U	200 U	na	na	na	na	na	na
SB-39																										
	3/24/1998	0-2	na	na	na	na	na	8 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	210 U	na	na	na	na	na	na
	3/24/1998	2-4	na	na	na	na	na	6 U	10 U	14 U	na	9 U	18 U	na	na	na	na	17 U	17 U	170 U	na	na	na	na	na	na
SB-4																										
	1/28/1998	0-2	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	9 J	179 U	na	na	na	na	na	na
	1/28/1998	2-4	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	1/28/1998	4-6	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	1/28/1998	6-8	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB-40																										
	3/24/1998	0-2	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	19 U	200 U	na	na	na	na	na	na
	3/24/1998	2-4	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	11 U	8 J	170 U	na	na	na	na	na	na
	3/24/1998	4-6	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	10 U	15 U	160 U	na	na	na	na	na	na
	3/24/1998	6-8	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	19 U	200 U	na	na	na	na	na	na
	3/24/1998	8-10	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
	3/24/1998	10-12	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
SB-41																										
	3/25/1998	0-2	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	11 U	17 U	170 U	na	na	na	na	na	na
SB4-1																										
	12/23/1996	0-2	na	na	na	na	na	7.1 U	10.7 U	na	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/23/1996	2-4	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	na	na	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	12/23/1996	4-6	na	na	na	na	na	6.63 U	10 U	14.3 U	na	na	na	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	12/23/1996	6-8	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	na	na	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	12/23/1996	8-10	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	na	na	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
SB4-10																										
	1/5/1998	0-2	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/5/1998	2-4	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	1/5/1998	4-6	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/5/1998	6-8	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/5/1998	8-10	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	1/5/1998	8-10	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
SB4-11																										
	1/5/1998	0-2	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	8 J	176 U	na	na	na	na	na	na
	1/5/1998	2-4	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/5/1998	4-6	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/5/1998	6-8	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
SB4-12																										
	1/20/1998	0-2	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	17 U	176 U	na	na	na	na	na	na
	1/20/1998	2-4	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	211 U	na	na	na	na	na	na
	1/20/1998	4-6	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	195 U	na	na	na	na	na	na
	1/20/1998	6-8	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	188 U	na	na	na	na	na	na
SB4-13																										
	1/5/1998	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/5/1998	2-4	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	10 J	207 U	na	na	na	na	na	na
	1/5/1998	4-6	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	8 J	199 U	na	na	na	na	na	na
	1/5/1998	6-8	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB4-14																										
	3/25/1998	0-2	na	na	na	na	na	7 U	10 U	11 U	na	8 U	15 U	na	na	na	na	11 U	18 U	180 U	na	na	na	na	na	na
	3/25/1998	2-4	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	19 U	200 U	na	na	na	na	na	na
	3/25/1998	4-6	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	11 U	6 J	170 U	na	na	na	na	na	na
	3/25/1998	6-8	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	11 U	55	170 U	na	na	na	na	na	na
	3/25/1998	8-10	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	28	200 U	na	na	na	na	na	na
SB4-2																										
	12/23/1996	0-2	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	12/23/1996	2-4	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	10 J	179 U	na	na	na	na	na	na
	12/23/1996	4-6	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	33 J	185 U	na	na	na	na	na	na
	12/23/1996	6-8	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	na	na	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	12/23/1996	8-10	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	na	na	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
SB4-3																										
	12/20/1996	0-2	na	na	na	na	na	6.31 U	9.52 U	13.6 U	na	na	na	na	na	na	na	17 U	5 J	170 U	na	na	na	na	na	na
	12/20/1996	4-6	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	20 J	219 U	na	na	na	na	na	na
	12/20/1996	6-8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	10 J	269	207 U	na	na	na	na	na	na
	12/20/1996	8-10	na	na	na	na	na	14.2 U	21.4 U	na	na	na	na	na	na	na	na	20 J	433	384 U	na	na	na	na	na	na
	12/20/1996	10-12	na	na	na	na	na	15.9 U	24 U	na	na	na	na	na	na	na	na	42.9 U	484	430 U	na	na	na	na	na	na
SB4-4																										
	12/26/1996	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	8 J	207 U	na	na	na	na	na	na
	12/26/1996	2-4	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	10 J	224 U	na	na	na	na	na	na
	12/26/1996	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	29 J	211 U	na	na	na	na	na	na
	12/26/1996	6-8	na	na	na	na	na	6.74 U	10.2 J	14.5 U	na	na	na	na	na	na	na	7 J	152	182 U	na	na	na	na	na	na
	12/26/1996	8-10	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	6 J	237	7 J	na	na	na	na	na	na
SB4-5																										
	12/24/1996	0-2	na	na	na	na	na	6.21 U	9.38 U	13.4 U	na	na	na	na	na	na	na	4 J	2 J	168 U	na	na	na	na	na	na
	12/24/1996	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	5 J	211 U	na	na	na	na	na	na
	12/24/1996	4-6	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	na	na	na	na	na	na	22.8 U	9 J	229 U	na	na	na	na	na	na
	12/24/1996	6-8	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	6 J	211 U	na	na	na	na	na	na
	12/24/1996	8-10	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
SB4-6																										
	1/6/1998	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	9 J	21.2 U	215 U	na	na	na	na	na	na
	1/6/1998	2-4	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	4 J	17.6 U	179 U	na	na	na	na	na	na
	1/6/1998	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	7 J	20.7 U	211 U	na	na	na	na	na	na
	1/6/1998	6-8	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	4 J	17.3 U	176 U	na	na	na	na	na	na
	1/6/1998	8-10	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	10 J	2 J	182 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB4-7																										
	1/6/1998	0-2	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	2 J	20 U	203 U	na	na	na	na	na	na
	1/6/1998	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	10 J	84	211 U	na	na	na	na	na	na
	1/6/1998	4-6	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	10 J	40	185 U	na	na	na	na	na	na
	1/6/1998	6-8	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	24 J	1,330 J	179 U	na	na	na	na	na	na
	1/6/1998	8-12	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	22 J	1,790 J	211 U	na	na	na	na	na	na
SB4-8																										
	12/31/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	68	1,520 J	367 J	na	na	na	na	na	na
	12/31/1997	2-4	na	na	na	na	na	7.23 U	37	15.5 U	na	10.2 U	20.7 U	na	na	na	na	252	3,810 J	2,950	na	na	na	na	na	na
	12/31/1997	4-6	na	na	na	na	na	7 U	9 J	16 U	na	10 U	21 U	na	na	na	na	256	3,680 J	1,620	na	na	na	na	na	na
	12/31/1997	6-8	na	na	na	na	na	7 U	12 J	15 U	na	10 U	19 U	na	na	na	na	32 J	2,500 J	60 J	na	na	na	na	na	na
	12/31/1997	8-10	na	na	na	na	na	7.64 U	12 J	16.4 U	na	10.8 U	21.9 U	na	na	na	na	184	3,720 J	855	na	na	na	na	na	na
SB4-9																										
	1/5/1998	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/5/1998	2-4	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/5/1998	4-8	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/5/1998	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
SB-5																										
	1/28/1998	2-4	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	389	192 U	na	na	na	na	na	na
	1/28/1998	4-6	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	215	188 U	na	na	na	na	na	na
	1/28/1998	6-8	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	27 J	192 U	na	na	na	na	na	na
SB5-1																										
	12/30/1996	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/30/1996	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	4 J	211 U	na	na	na	na	na	na
	12/30/1996	4-6	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	12/30/1996	6-8	na	na	na	na	na	8.64 U	13 U	18.6 U	na	na	na	na	na	na	na	23.3 U	23 U	233 U	na	na	na	na	na	na
SB5-2																										
	12/30/1996	0-2	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	12/30/1996	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/30/1996	4-6	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	12/30/1996	6-8	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	na	na	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
SB5-3																										
	1/6/1997	0-2	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	4 J	203 U	na	na	na	na	na	na
	1/6/1997	2-4	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/6/1997	4-6	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/6/1997	6-8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	104	207 U	na	na	na	na	na	na
	1/6/1997	8-10	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	50	215 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB5-4																										
	1/6/1997	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/6/1997	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/6/1997	4-6	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	na	na	na	na	na	na	22.8 U	4 J	229 U	na	na	na	na	na	na
	1/6/1997	6-8	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	8 J	215 U	na	na	na	na	na	na
	1/6/1997	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
SB5-5																										
	1/3/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	6 J	211 U	na	na	na	na	na	na
	1/3/1997	0-2	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	na	na	na	na	na	na	22.8 U	9 J	229 U	na	na	na	na	na	na
	1/3/1997	2-4	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	20 J	215 U	na	na	na	na	na	na
	1/3/1997	4-6	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/3/1997	6-8	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	1/3/1997	8-10	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	na	na	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
SB5-6																										
	12/30/1996	0-2	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	na	na	na	na	na	na	22.8 U	6 J	229 U	na	na	na	na	na	na
	12/30/1996	2-4	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	na	na	na	na	na	na	19.5 U	4 J	195 U	na	na	na	na	na	na
	12/30/1996	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/30/1996	6-8	na	na	na	na	na	8.64 U	13 U	18.6 U	na	na	na	na	na	na	na	23.3 U	23 U	233 U	na	na	na	na	na	na
SB-6																										
	1/28/1998	0-2	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/28/1998	2-4	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/28/1998	4-6	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	10 J	195 U	na	na	na	na	na	na
	1/28/1998	6-8	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
SB6-1																										
	1/14/1997	0-2	na	na	na	na	na	9.03 U	13.6 U	19.4 U	na	11 U	22.4 U	na	na	na	na	24.4 U	24 U	244 U	na	na	na	na	na	na
	1/14/1997	2-4	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/14/1997	4-6	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	na	na	na	na	na	na	22.8 U	6 J	229 U	na	na	na	na	na	na
	1/14/1997	6-8	na	na	na	na	na	6.31 U	9.52 U	13.6 U	na	na	na	na	na	na	na	17 U	4 J	170 U	na	na	na	na	na	na
	1/14/1997	8-10	na	na	na	na	na	25.6 U	38.7 U	412	na	36.3 U	73.5 U	na	na	na	na	168 J	187 J	693 U	na	na	na	na	na	na
SB6-2																										
	1/13/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20 J	211 U	na	na	na	na	na	na
	1/13/1997	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20 J	211 U	na	na	na	na	na	na
	1/13/1997	4-6	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	8 J	199 U	na	na	na	na	na	na
	1/13/1997	6-8	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/13/1997	8-10	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na

		Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
CLEANUP CRITERIA	Residential DEC	500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC	1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC	14,000	14,000	120	8,000	2,000	20	20,000	10,100	19,500	2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB6-3																										
	1/14/1997	0-2	na	na	na	na	na	34.6 U	52.2 U	74.3 U	na	na	na	na	na	na	na	93.3 U	92 U	934 U	na	na	na	na	na	na
	1/14/1997	0-2	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	na	na	na	na	na	na	19.5 U	20 J	195 U	na	na	na	na	na	na
	1/14/1997	2-4	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	8 J	207 U	na	na	na	na	na	na
	1/14/1997	4-6	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/14/1997	6-8	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
SB6-4																										
	1/14/1997	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/14/1997	2-4	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	10 J	215 U	na	na	na	na	na	na
	1/14/1997	4-6	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	na	na	na	na	na	na	22.8 U	20 J	229 U	na	na	na	na	na	na
	1/14/1997	6-8	na	na	na	na	na	6.63 U	10 U	14.3 U	na	na	na	na	na	na	na	17.9 U	8 J	179 U	na	na	na	na	na	na
	1/14/1997	8-10	na	na	na	na	na	6.02 U	9.09 U	13 U	na	na	na	na	na	na	na	16.3 U	16 U	163 U	na	na	na	na	na	na
SB6-5																										
	1/13/1997	0-2	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/13/1997	0-2	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/13/1997	2-4	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
	1/13/1997	4-6	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	na	na	na	na	na	na	22.8 U	22.5 U	229 U	na	na	na	na	na	na
	1/13/1997	6-8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/13/1997	8-10	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	na	na	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
SB-7																										
	2/4/1998	0-2	na	na	na	na	na	7.2 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	200 U	na	na	na	na	na	na
	2/4/1998	2-4	na	na	na	na	na	6.5 U	9.8 U	14 U	na	9.2 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
	2/4/1998	4-6	na	na	na	na	na	7 U	11 U	15 U	na	9.9 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
	2/4/1998	6-8	na	na	na	na	na	7.1 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
	2/4/1998	8-10	na	na	na	na	na	6.5 U	9.8 U	14 U	na	9.2 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
SB7-1																										
	1/15/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/15/1997	2-4	na	na	na	na	na	8.64 U	13 U	18.6 U	na	na	na	na	na	na	na	23.3 U	23 U	233 U	na	na	na	na	na	na
	1/15/1997	4-6	na	na	na	na	na	24 J	10 J	14.5 U	na	na	na	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/15/1997	6-8	na	na	na	na	na	6.12 U	9.23 U	13.2 U	na	na	na	na	na	na	na	16.5 U	16.3 U	165 U	na	na	na	na	na	na
	1/15/1997	8-10	na	na	na	na	na	2 J	11.8 U	1,010 J	na	265	2,710 J	na	na	na	na	142	20.7 U	211 U	na	na	na	na	na	na
SB7-2																										
	1/15/1997	0-2	na	na	na	na	na	7.36 U	11.1 U	28	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/15/1997	2-4	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	na	na	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	1/15/1997	4-6	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/15/1997	6-8	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	na	na	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	1/15/1997	8-10	na	na	na	na	na	6.97 U	10.5 U	15 U	na	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB-8																										
	1/27/1998	0-2	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	1/27/1998	2-4	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	1/27/1998	4-6	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	1/27/1998	6-8	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
SB8-1																										
	12/31/1996	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	84	207 U	na	na	na	na	na	na
	12/31/1996	2-4	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	44 J	526	215 U	na	na	na	na	na	na
	12/31/1996	4-6	na	na	na	na	na	24.5 U	37 U	52.8 U	na	na	na	na	na	na	na	66.2 U	748	663 U	na	na	na	na	na	na
	12/31/1996	6-7.9	na	na	na	na	na	66.2 U	100 U	142 U	na	na	na	na	na	na	na	179 U	4,870	1,790 U	na	na	na	na	na	na
	12/31/1996	8-10	na	na	na	na	na	130 U	197 U	280 U	na	na	na	na	na	na	na	352 U	2,880	3,520 U	na	na	na	na	na	na
SB8-10																										
	1/7/1998	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	92	211 U	na	na	na	na	na	na
	1/7/1998	2-4	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	54 J	176 U	na	na	na	na	na	na
	1/7/1998	4-6	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	21 J	1,650 J	100 J	na	na	na	na	na	na
	1/7/1998	6-8	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	32 J	1,350 J	179 U	na	na	na	na	na	na
	1/7/1998	8-10	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	25 J	203 U	na	na	na	na	na	na
SB8-11																										
	12/26/1997	0-2	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	61 B	195 U	na	na	na	na	na	na
	12/26/1997	2-4	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	53 B	199 U	na	na	na	na	na	na
	12/26/1997	4-6	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	826 J,B	192 U	na	na	na	na	na	na
	12/26/1997	6-8	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	5,480 J,B	211 U	na	na	na	na	na	na
	12/26/1997	8-10	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	123 B	176 U	na	na	na	na	na	na
	12/26/1997	8-10	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	106 B	215 U	na	na	na	na	na	na
SB8-12																										
	1/6/1998	0-2	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	20 J	115	199 U	na	na	na	na	na	na
	1/6/1998	2-4	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	73	542	199 U	na	na	na	na	na	na
	1/6/1998	2-4	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	60	1,070 J	199 U	na	na	na	na	na	na
	1/6/1998	4-8	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	60	1,160 J	179 U	na	na	na	na	na	na
	1/6/1998	8-10	na	na	na	na	na	50 U	75.5 U	108 U	na	70.8 U	143 U	na	na	na	na	135 U	133 U	1,350 U	na	na	na	na	na	na
SB8-13																										
	12/26/1997	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	183 B	207 U	na	na	na	na	na	na
	12/26/1997	4-6	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	164 B	185 U	na	na	na	na	na	na
	12/26/1997	6-8	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	110 B	215 U	na	na	na	na	na	na
	12/26/1997	8-10	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	11.7 U	23.8 U	na	na	na	na	22.3 U	113 B	224 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB8-14																										
	12/29/1997	0-2	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	2,220 J,B	195 U	na	na	na	na	na	na
	12/29/1997	2-4	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	1,770 J,B	188 U	na	na	na	na	na	na
	12/29/1997	4-6	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	10 J,B	179 U	na	na	na	na	na	na
	12/29/1997	6-8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	180 B	207 U	na	na	na	na	na	na
	12/29/1997	8-10	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	11.7 U	23.8 U	na	na	na	na	22.3 U	78 B	224 U	na	na	na	na	na	na
SB8-15																										
	1/7/1998	0-2	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	85	199 U	na	na	na	na	na	na
	1/7/1998	2-4	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	154	203 U	na	na	na	na	na	na
	1/7/1998	4-6	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	10 J	2,100 J	203 U	na	na	na	na	na	na
	1/7/1998	6-8	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	119	188 U	na	na	na	na	na	na
	1/7/1998	8-11.5	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	7 J	328	199 U	na	na	na	na	na	na
SB8-16																										
	12/26/1997	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	55 B	207 U	na	na	na	na	na	na
	12/26/1997	2-4	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	104 B	199 U	na	na	na	na	na	na
	12/26/1997	4-6	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	46 B	192 U	na	na	na	na	na	na
	12/26/1997	6-8	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	23 J,B	176 U	na	na	na	na	na	na
	12/26/1997	8-10	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	108 B	207 U	na	na	na	na	na	na
SB8-17																										
	12/29/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	734 J,B	211 U	na	na	na	na	na	na
	12/29/1997	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	10 J,B	211 U	na	na	na	na	na	na
	12/29/1997	6-8	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	27 J,B	219 U	na	na	na	na	na	na
	12/29/1997	8-10	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	33 J,B	219 U	na	na	na	na	na	na
SB8-18																										
	1/13/1998	0-2	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	173	182 U	na	na	na	na	na	na
	1/13/1998	2-4	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	308	203 U	na	na	na	na	na	na
	1/13/1998	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	520	211 U	na	na	na	na	na	na
	1/13/1998	6-8	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	99	211 U	na	na	na	na	na	na
SB8-19																										
	1/7/1998	0-2	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	21 J	179 U	na	na	na	na	na	na
	1/7/1998	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	114	211 U	na	na	na	na	na	na
	1/7/1998	4-6	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	297	179 U	na	na	na	na	na	na
	1/7/1998	6-8	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	72	215 U	na	na	na	na	na	na
	1/7/1998	6-8	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	43	199 U	na	na	na	na	na	na
	1/7/1998	8-10	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	50	199 U	na	na	na	na	na	na

CLEANUP CRITERIA	Residential DEC	500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC	1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC	14,000	14,000	120	8,000	2,000	20	20,000	10,100	19,500	2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB8-2																										
	12/27/1996	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	22 J	211 U	na	na	na	na	na	na
	12/27/1996	2-4	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	8 J	203 U	na	na	na	na	na	na
	12/27/1996	4-6	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	na	na	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	12/27/1996	6-7	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
SB8-20																										
	1/21/1998	0-2	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	22 U	64	220 U	na	na	na	na	na	na
	1/21/1998	2-4	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	29	1,520 J	220 U	na	na	na	na	na	na
	1/21/1998	4-6	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	200	200 U	na	na	na	na	na	na
	1/21/1998	6-8	na	na	na	na	na	8 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 J	210 U	na	na	na	na	na	na
	1/21/1998	8-10	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	120	210 U	na	na	na	na	na	na
SB8-21																										
	12/29/1997	0-2	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	2,280 J,B	188 U	na	na	na	na	na	na
	12/29/1997	2-4	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	61 B	219 U	na	na	na	na	na	na
	12/29/1997	4-6	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	9.07 U	18.4 U	na	na	na	na	17.3 U	76 B	173 U	na	na	na	na	na	na
	12/29/1997	6-8	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	35 B	188 U	na	na	na	na	na	na
	12/29/1997	8-10	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	107 B	182 U	na	na	na	na	na	na
SB8-22																										
	1/7/1998	0-2	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	23 J	188 U	na	na	na	na	na	na
	1/7/1998	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/7/1998	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	330	211 U	na	na	na	na	na	na
	1/7/1998	6-8	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	na	na	na	na	na	18.8 U	141	188 U	na	na	na	na	na	na
	1/7/1998	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	32	192 U	na	na	na	na	na	na
SB8-23																										
	1/13/1998	0-2	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	9 J	219 U	na	na	na	na	na	na
	1/13/1998	2-4	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	6 J	219 U	na	na	na	na	na	na
	1/13/1998	4-8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	10 J	207 U	na	na	na	na	na	na
SB8-24																										
	1/13/1998	0-2	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/13/1998	2-4	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/13/1998	4-6	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/13/1998	4-6	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
SB8-25																										
	1/20/1998	0-2	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	17 U	176 U	na	na	na	na	na	na
	1/20/1998	2-4	na	na	na	na	na	7 U	10 U	15 U	na	10 U	20 U	na	na	na	na	19 U	18 U	185 U	na	na	na	na	na	na
	1/20/1998	4-6	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	211 U	na	na	na	na	na	na
	1/20/1998	6-8	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	22 U	21 U	215 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB8-26																										
	1/20/1998	0-2	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	22 U	139	215 U	na	na	na	na	na	na
	1/20/1998	2-4	na	na	na	na	na	7 U	10 U	15 U	na	10 U	19 U	na	na	na	na	18 U	60	182 U	na	na	na	na	na	na
	1/20/1998	4-6	na	na	na	na	na	7 U	10 U	15 U	na	10 U	20 U	na	na	na	na	19 U	18 U	185 U	na	na	na	na	na	na
	1/20/1998	6-8	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	22 U	21 U	215 U	na	na	na	na	na	na
	1/20/1998	8-10	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	79	195 U	na	na	na	na	na	na
SB8-27																										
	1/26/1998	0-1.6	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	29 J	207 U	na	na	na	na	na	na
	1/26/1998	1.6-4.0	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	25	176 U	na	na	na	na	na	na
	1/26/1998	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	293	211 U	na	na	na	na	na	na
	1/26/1998	6-8	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	260	195 U	na	na	na	na	na	na
	1/26/1998	6-8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	75	207 U	na	na	na	na	na	na
SB8-28																										
	3/25/1998	0-2	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	21 J	190 U	na	na	na	na	na	na
	3/25/1998	2-4	na	na	na	na	na	8 U	11 U	16 U	na	11 U	22 U	na	na	na	na	20 U	12 J	200 U	na	na	na	na	na	na
	3/25/1998	4-6	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	25	200 U	na	na	na	na	na	na
	3/25/1998	6-8	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	38	200 U	na	na	na	na	na	na
	3/25/1998	8-10	na	na	na	na	na	8 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	210 U	na	na	na	na	na	na
SB8-29																										
	3/25/1998	0-2	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	11 U	18 U	180 U	na	na	na	na	na	na
	3/25/1998	2-4	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	19 J	200 U	na	na	na	na	na	na
	3/25/1998	4-6	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	10 U	120	170 U	na	na	na	na	na	na
	3/25/1998	6-8	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	12 U	240	190 U	na	na	na	na	na	na
	3/25/1998	6-8	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	260	200 U	na	na	na	na	na	na
	3/25/1998	8-10	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	11 U	23	170 U	na	na	na	na	na	na
SB8-3																										
	12/26/1996	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	7 J	40 J	215 U	na	na	na	na	na	na
	12/26/1996	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	27 J	211 U	na	na	na	na	na	na
	12/26/1996	4-6	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	na	na	na	na	na	na	22.8 U	76	229 U	na	na	na	na	na	na
	12/26/1996	6-8	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	5 J	203 U	na	na	na	na	na	na
SB8-30																										
	3/25/1998	0-2	na	na	na	na	na	8 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	11 J	210 U	na	na	na	na	na	na
	3/25/1998	2-4	na	na	na	na	na	7 U	97	21 J	na	9 U	120	na	na	na	na	85	1,200 J	180 U	na	na	na	na	na	na
	3/25/1998	4-8	na	na	na	na	na	6 U	190	40 J	na	9 U	18 U	na	na	na	na	110	3,000 J	170 U	na	na	na	na	na	na
	3/25/1998	8-12	na	na	na	na	na	8 U	11 U	16 U	na	11 U	22 U	na	na	na	na	160	670 J	200 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB8-31																										
	3/26/1998	0-2	na	na	na	na	na	7 U	10 U	11 U	na	8 U	14 U	na	na	na	na	4 J	17 U	180 U	na	na	na	na	na	na
	3/26/1998	2-4	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	11 U	17 U	170 U	na	na	na	na	na	na
	3/26/1998	4-6	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	11 U	17 U	170 U	na	na	na	na	na	na
	3/26/1998	6-8	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	19 U	200 U	na	na	na	na	na	na
	3/26/1998	8-10	na	na	na	na	na	7 U	10 U	11 U	na	8 U	15 U	na	na	na	na	11 U	18 U	180 U	na	na	na	na	na	na
	3/26/1998	10-12	na	na	na	na	na	7 U	10 U	11 U	na	8 U	14 U	na	na	na	na	11 U	17 U	180 U	na	na	na	na	na	na
SB8-4																										
	1/2/1997	0-2	na	na	na	na	na	6.63 U	10 U	14.3 U	na	na	na	na	na	na	na	17.9 U	33 J	179 U	na	na	na	na	na	na
	1/2/1997	2-4	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	26 J	199 U	na	na	na	na	na	na
	1/2/1997	4-6	na	na	na	na	na	6.63 U	10 U	14.3 U	na	na	na	na	na	na	na	17.9 U	8 J	179 U	na	na	na	na	na	na
SB8-5																										
	12/27/1996	0-2	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	6 J	224 U	na	na	na	na	na	na
	12/27/1996	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20 J	211 U	na	na	na	na	na	na
	12/27/1996	2-4	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	12/27/1996	4-6	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/27/1996	6-8	na	na	na	na	na	5.85 U	8.82 U	12.6 U	na	na	na	na	na	na	na	36	8 J	158 U	na	na	na	na	na	na
SB8-6																										
	12/31/1996	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	9 J	215 U	na	na	na	na	na	na
	12/31/1996	2-4	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	na	na	na	na	na	na	6 J	10 J	185 U	na	na	na	na	na	na
	12/31/1996	4-6	na	na	na	na	na	6.63 U	10 U	14.3 U	na	na	na	na	na	na	na	17.9 U	4 J	179 U	na	na	na	na	na	na
	12/31/1996	6-8	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	na	na	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
SB8-7																										
	12/27/1996	0-2	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	182	199 U	na	na	na	na	na	na
	12/27/1996	2-4	na	na	na	na	na	40.6 U	61.2 U	87.2 U	na	na	na	na	na	na	na	109 U	2,260	1,100 U	na	na	na	na	na	na
	12/27/1996	4-6	na	na	na	na	na	42.3 U	63.8 U	91 U	na	na	na	na	na	na	na	114 U	1,330	1,140 U	na	na	na	na	na	na
	12/27/1996	6-8	na	na	na	na	na	33.7 U	50.8 U	72.5 U	na	na	na	na	na	na	na	90.9 U	2,940 J	910 U	na	na	na	na	na	na
	12/27/1996	8-10	na	na	na	na	na	34.9 U	52.6 U	75 U	na	na	na	na	na	na	na	94.1 U	16,200 J	942 U	na	na	na	na	na	na
SB8-8																										
	1/2/1997	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	5 J	211 U	na	na	na	na	na	na
	1/2/1997	2-4	na	na	na	na	na	6.97 U	10.5 U	15 U	na	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	1/2/1997	4-6	na	na	na	na	na	6.52 U	9.84 U	14 U	na	na	na	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	1/2/1997	6-8	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/2/1997	8-10	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/2/1997	8-10	na	na	na	na	na	6.97 U	10.5 U	15 U	na	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na

CLEANUP CRITERIA	Residential DEC	500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC	1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC	14,000	14,000	120	8,000	2,000	20	20,000	10,100	19,500	2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB8-9																										
	1/2/1997	0-2	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	8 J	192 U	na	na	na	na	na	na
	1/2/1997	2-4	na	na	na	na	na	13.9 U	21.1 U	30 U	na	na	na	na	na	na	na	37.6 U	330	377 U	na	na	na	na	na	na
	1/2/1997	4-6	na	na	na	na	na	15.3 U	23.1 U	32.9 U	na	na	na	na	na	na	na	41.3 U	851	413 U	na	na	na	na	na	na
	1/2/1997	6-8	na	na	na	na	na	16.2 U	24.5 U	34.9 U	na	na	na	na	na	na	na	43.8 U	75 J	438 U	na	na	na	na	na	na
	1/2/1997	8-10	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	na	na	na	na	na	na	18.5 U	49 J	185 U	na	na	na	na	na	na
SB-9																										
	1/28/1998	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/28/1998	2-4	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/28/1998	2-4	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/28/1998	4-8	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20 J	211 U	na	na	na	na	na	na
SB9-1																										
	1/15/1997	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/15/1997	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/15/1997	6-7	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
SB9-10																										
	2/2/1998	2-4	na	na	na	na	na	6.6 U	10 U	14 U	na	9.4 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
	2/2/1998	4-6	na	na	na	na	na	7.2 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	200 U	na	na	na	na	na	na
SB9-11																										
	2/2/1998	0-2	na	na	na	na	na	6.9 U	10 U	15 U	na	9.7 U	20 U	na	na	na	na	18 U	18 U	190 U	na	na	na	na	na	na
	2/2/1998	2-4	na	na	na	na	na	7.1 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
	2/2/1998	4-6	na	na	na	na	na	7.1 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
	2/2/1998	6-8	na	na	na	na	na	7.2 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	200 U	na	na	na	na	na	na
SB9-12																										
	2/2/1998	0-2	na	na	na	na	na	7.1 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
	2/2/1998	2-4	na	na	na	na	na	6.9 U	10 U	15 U	na	9.7 U	20 U	na	na	na	na	18 U	18 U	190 U	na	na	na	na	na	na
	2/2/1998	4-6	na	na	na	na	na	6.7 U	10 U	14 U	na	9.5 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
SB9-13																										
	2/2/1998	0-2	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	2/2/1998	2-4	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
SB9-14																										
	2/2/1998	0-2	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	2/2/1998	2-4	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	2/2/1998	4-6	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	2/2/1998	6-8	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB9-15																										
	2/4/1998	0-4	na	na	na	na	na	6.6 U	10 U	14 U	na	9.4 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
	2/4/1998	4-5.7	na	na	na	na	na	6.5 U	9.8 U	14 U	na	9.2 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
	2/4/1998	5.7-8	na	na	na	na	na	7.1 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
SB9-16																										
	2/2/1998	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	210 U	73.5 U	na	na	na	na	na
	2/2/1998	2-4	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	2/2/1998	4-6	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	2/2/1998	6-8	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
SB9-2																										
	1/15/1997	0-2	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
	1/15/1997	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/15/1997	2-4	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/15/1997	4-6	na	na	na	na	na	6.31 U	9.52 U	13.6 U	na	na	na	na	na	na	na	17 U	16.8 U	170 U	na	na	na	na	na	na
SB9-3																										
	1/14/1997	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/14/1997	2-4	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/14/1997	4-6	na	na	na	na	na	5.76 U	8.7 U	12.4 U	na	na	na	na	na	na	na	15.5 U	15.3 U	156 U	na	na	na	na	na	na
	1/14/1997	6-8	na	na	na	na	na	6.02 U	9.09 U	13 U	na	na	na	na	na	na	na	16.3 U	16 U	163 U	na	na	na	na	na	na
SB9-4																										
	1/14/1997	0-2	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/14/1997	2-4	na	na	na	na	na	9.03 U	13.6 U	19.4 U	na	na	na	na	na	na	na	24.4 U	24 U	244 U	na	na	na	na	na	na
	1/14/1997	4-6	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
	1/14/1997	6-8	na	na	na	na	na	6.21 U	9.38 U	13.4 U	na	na	na	na	na	na	na	16.8 U	16.5 U	168 U	na	na	na	na	na	na
	1/14/1997	6-8	na	na	na	na	na	8.83 U	13.3 U	19 U	na	na	na	na	na	na	na	23.8 U	20 J	239 U	na	na	na	na	na	na
	1/14/1997	8-10	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
SB9-5																										
	1/15/1997	0-2	na	na	na	na	na	9.03 U	13.6 U	19.4 U	na	na	na	na	na	na	na	24.4 U	24 U	244 U	na	na	na	na	na	na
	1/15/1997	2-4	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/15/1997	4-6	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	na	na	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
SB9-6																										
	2/2/1998	0-2	na	na	na	na	na	7.6 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	210 U	na	na	na	na	na	na
	2/2/1998	2-4	na	na	na	na	na	7.2 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	200 U	na	na	na	na	na	na
	2/2/1998	4-6	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	2/2/1998	6-8	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na

CLEANUP CRITERIA	Residential DEC	500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC	1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC	14,000	14,000	120	8,000	2,000	20	20,000	10,100	19,500	2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB9-7																										
	2/2/1998	0-2	na	na	na	na	na	8.1 U	12 U	17 U	na	11 U	23 U	na	na	na	na	22 U	22 U	220 U	na	na	na	na	na	na
	2/2/1998	2-4	na	na	na	na	na	7.2 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	200 U	na	na	na	na	na	na
	2/2/1998	4-6	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	21 U	21 U	210 U	na	na	na	na	na	na
	2/2/1998	4-6	na	na	na	na	na	7.6 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	210 U	na	na	na	na	na	na
	2/2/1998	6-8.0	na	na	na	na	na	7.1 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
SB9-8																										
	2/2/1998	0-2	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	2/2/1998	2-4	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	2/2/1998	4-6	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
SB9-9																										
	2/2/1998	0-2	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	2/2/1998	2-4	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	2/2/1998	4-6	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	2/2/1998	6-8	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
SBA-1																										
	1/15/1997	0-2	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	na	na	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/15/1997	2-3	na	na	na	na	na	6.63 U	10 U	14.3 U	na	na	na	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/15/1997	4-6	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/15/1997	6-8	na	na	na	na	na	8.64 U	13 U	18.6 U	na	na	na	na	na	na	na	23.3 U	23 U	233 U	na	na	na	na	na	na
SBA-10																										
	1/30/1998	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	10 J	215 U	na	na	na	na	na	na
	1/30/1998	2-4	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/30/1998	4-6	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/30/1998	6-8	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/30/1998	8-10	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
SBA-11																										
	1/30/1998	0-2	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	1/30/1998	2-4	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	1/30/1998	4-6	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/30/1998	6-8	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/30/1998	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
SBA-2																										
	1/13/1997	0-2	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	na	na	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/13/1997	2-4	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/13/1997	4-6	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/13/1997	6-8	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/13/1997	8-10	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SBA-3																										
	1/10/1997	0-2	na	na	na	na	na	9.03 U	13.6 U	19.4 U	na	na	na	na	na	na	na	24.4 U	24 U	244 U	na	na	na	na	na	na
	1/10/1997	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/10/1997	2-4	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	na	na	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/10/1997	4-6	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/10/1997	6-8	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	25 J	203 U	na	na	na	na	na	na
SBA-4																										
	1/27/1998	0-1.7	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	7 J	112	182 U	na	na	na	na	na	na
	1/27/1998	1.7-4	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	59	182 U	na	na	na	na	na	na
	1/27/1998	1.7-4	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	45	179 U	na	na	na	na	na	na
	1/27/1998	4-7.5	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/27/1998	8-12	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	30	182 U	na	na	na	na	na	na
SBA-5																										
	1/20/1998	0-2	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	17 U	176 U	na	na	na	na	na	na
	1/20/1998	2-4	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	195 U	na	na	na	na	na	na
	1/20/1998	4-6	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	22 U	21 U	215 U	na	na	na	na	na	na
	1/20/1998	6-8	na	na	na	na	na	8 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	207 U	na	na	na	na	na	na
	1/20/1998	8-10	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	192 U	na	na	na	na	na	na
SBA-6																										
	2/3/1998	0-2	na	na	na	na	na	6.4 U	9.7 U	14 U	na	9.1 U	18 U	na	na	na	na	17 U	17 U	170 U	na	na	na	na	na	na
	2/3/1998	2-4	na	na	na	na	na	7 U	11 U	15 U	na	9.9 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
	2/3/1998	4-6	na	na	na	na	na	7.1 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 J	190 U	na	na	na	na	na	na
	2/3/1998	6-8	na	na	na	na	na	7.1 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	28	190 U	na	na	na	na	na	na
SBA-7																										
	2/3/1998	0-2	na	na	na	na	na	7.4 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
	2/3/1998	2-4	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	21 U	21 U	210 U	na	na	na	na	na	na
	2/3/1998	4-6.8	na	na	na	na	na	6.7 U	10 U	14 U	na	9.5 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
	2/3/1998	4-6.8	na	na	na	na	na	6.7 U	10 U	14 U	na	9.5 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
	2/3/1998	6.8-8	na	na	na	na	na	7.1 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
SBA-8																										
	2/3/1998	0-2	na	na	na	na	na	7.2 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	200 U	na	na	na	na	na	na
	2/3/1998	2-4	na	na	na	na	na	6.4 U	9.7 U	14 U	na	9.1 U	18 U	na	na	na	na	17 U	17 U	170 U	na	na	na	na	na	na
	2/3/1998	4-6	na	na	na	na	na	7.2 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	200 U	na	na	na	na	na	na
	2/3/1998	6-8	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	21 U	21 U	210 U	na	na	na	na	na	na
	2/3/1998	8-10	na	na	na	na	na	7.4 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SBA-9																										
	2/4/1998	0-1.5	na	na	na	na	na	6.7 U	10 U	14 U	na	9.5 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
	2/4/1998	1.5-4	na	na	na	na	na	6.5 U	9.8 U	14 U	na	9.2 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
	2/4/1998	4-6	na	na	na	na	na	6.5 U	9.8 U	14 U	na	9.2 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
	2/4/1998	6-8	na	na	na	na	na	6.5 U	9.8 U	14 U	na	9.2 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
	2/4/1998	6-8	na	na	na	na	na	7 U	11 U	15 U	na	9.9 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
SBMW-14-1																										
	12/30/1997	2-4	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	12/30/1997	4-6	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	12/30/1997	6-8	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	12 U	24.3 U	na	na	na	na	22.8 U	22.5 U	229 U	na	na	na	na	na	na
	12/30/1997	8-10	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/30/1997	10-11.25	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
SBMW-15-1																										
	12/30/1997	0-2	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	12/30/1997	2-4	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/30/1997	6-8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/30/1997	8-9.5	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/30/1997	10.0-11.5	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
SBMW-15-2																										
	1/2/1998	0-2	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/2/1998	2-4	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/2/1998	4-6	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/2/1998	6-8	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/2/1998	6-8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/2/1998	8-10	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	1/2/1998	10-11	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
SBMW-16-1																										
	1/2/1998	4-6	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20 J	207 U	na	na	na	na	na	na
	1/2/1998	6-8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/14/1998	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
SBMW-20-1																										
	1/6/1998	0-.9	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/6/1998	2-4	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 J	203 U	na	na	na	na	na	na
SBSC-1																										
	1/9/1997	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	7 J	207 U	na	na	na	na	na	na
	1/9/1997	2-4	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/9/1997	4-6	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/9/1997	6-8	na	na	na	na	na	6.12 U	9.23 U	13.2 U	na	na	na	na	na	na	na	16.5 U	16.3 U	165 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000		500,000		500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000		1,000,000		1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC		14,000	14,000	120	8,000	2,000	20	20,000	10,100		19,500		2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 1B
VOCs RESULTS FOR VADOSE ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SBSC-2																										
	1/9/1997	0-2	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/9/1997	2-4	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	na	na	na	na	na	na	22.8 U	22.5 U	229 U	na	na	na	na	na	na
	1/9/1997	4-6	na	na	na	na	na	8.64 U	13 U	18.6 U	na	na	na	na	na	na	na	23.3 U	23 U	233 U	na	na	na	na	na	na
	1/9/1997	6-8	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/9/1997	8-10	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
SBSC-3																										
	1/9/1997	0-2	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	38 J	215 U	na	na	na	na	na	na
	1/9/1997	4-6	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	10 J	203 U	na	na	na	na	na	na
	1/9/1997	6-8	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/9/1997	8-10	na	na	na	na	na	6.12 U	9.23 U	13.2 U	na	na	na	na	na	na	na	16.5 U	16.3 U	165 U	na	na	na	na	na	na
	1/9/1997	10-11	na	na	na	na	na	6.52 U	9.84 U	14 U	na	na	na	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
SBSC-4																										
	2/3/1998	0-2	na	na	na	na	na	7.8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	210 U	na	na	na	na	na	na
	2/3/1998	2-4	na	na	na	na	na	7.4 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
	2/3/1998	4-8	na	na	na	na	na	7.6 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	210 U	na	na	na	na	na	na
	2/3/1998	8-10	na	na	na	na	na	6.4 U	9.7 U	14 U	na	9.1 U	18 U	na	na	na	na	17 U	17 U	170 U	na	na	na	na	na	na
SBSC-5																										
	2/4/1998	0-2	na	na	na	na	na	7.2 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	200 U	na	na	na	na	na	na
	2/4/1998	2-4	na	na	na	na	na	7.1 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
	2/4/1998	4-6	na	na	na	na	na	6.6 U	10 U	14 U	na	9.4 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
	2/4/1998	6-8	na	na	na	na	na	7.6 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	210 U	na	na	na	na	na	na

Notes:
Concentrations are reported in ug/kg (ppb).
MEK = methyl ethyl ketone.
MTBE = methyl tertiary butyl ether.
PCE = tetrachloroethylene.
TCE = trichloroethylene.
1,1,1-TCA = 1,1,1-trichloroethane.
cis-DCE = cis-1,2-dichloroethylene.
trans-DCE = trans-1,2-dichloroethylene.
1,1-DCE = 1,1-dichloroethylene.
1,1-DCA = 1,1-dichloroethane.
U = compound was not detected at the indicated concentration.
B = analyte also present in laboratory method blank.
J = estimated value.
na = not analyzed.
- = data not collected/not available.
= concentration exceeds residential DEC and GAPMC.
= concentration exceeds residential DEC, industrial/commercial DEC and GAPMC.
= concentration exceeds GAPMC.

CLEANUP CRITERIA	Residential DEC	500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC	1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3000	-
	GAPMC	14,000	14,000	120	8,000	2,000	20	20,000	10,100	19,500	2,000	3,100	12,000	1,500	100	100	4,000	1,400	2,000	140	1,400	40	-

TABLE 2A
VOCs RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
B08	10/20/1995	12-14	110 U	6 U	6 U	150 U	na	6 U	6 U	6 U	6 U	na	na	6 U	6 U	6 U	6 U	6 U	na	6 U	na	6 U	6 U	6 U	6 U	6 U
MW-12	1/9/1998	10-12	31 U	6.3 U	6.3 U	16 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	na	na	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
MW-19	12/24/1997	14-16	27 U	5.4 U	5.4 U	14 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	na	na	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
MW-26	2/10/1998	4-4.5	32 U	6.4 U	6.4 U	16 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	na	na	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U
MW-27D	1/13/1998	10-12	45 U	5.1 U	5.1 U	13 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	na	na	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
MW-32	3/23/1998	14-16	69 U	14 U	14 U	35 U	14 U	14 U	14 U	14 U	14 U	na	na	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
SB-1	1/14/1998	8-10	26 U	5.2 U	5.2 U	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
SB10-4	1/2/1997	14-16	110 U	4.6 U	4.6 U	11 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	na	na	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
SB1-1	12/17/1996	12-14	34 U	6.8 U	6.8 U	17 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	na	na	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U
SB1-10	12/29/1997	14-16	61 U	12 U	12 U	30 U	12 U	12 U	12 U	12 U	12 U	na	na	12 U	12 U	12 U	12 U	12 U	21	12 U	12 U	12 U	12 U	12 U	12 U	12 U
SB1-12	3/24/1998	6-8	31 U	6.1 U	6.1 U	15 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	na	na	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.8	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
SB1-2	12/18/1996	12-14	43 U	7.5 U	7.5 U	19 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	na	na	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U
SB-13	1/28/1998	8-12	1,100 J	24 U	24 U	250	24 U	24 U,J	24 U,J	24 U,J	24 U,J	na	na	24 U,J	24 U,J	24 U,J	24 U,J	24 U,J	24 U,J	24 U	24 U	24 U	24 U	24 U	24 U	24 U
	1/28/1998	12-14	62 U	12 U	12 U	31 U	12 U	12 U	12 U	12 U	12 U	na	na	12 U	12 U	12 U	12 U	12 U	26	12 U	12 U	12 U	12 U	12 U	12 U	12 U
SB1-3	12/18/1996	10-11.9	230	6.8 U	6.8 U	36	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	na	na	6.8 U	11	15	8.1	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U
SB1-4	12/19/1996	10-12.3	120 U	19 U	19 U	47 U	19 U	19 U	19 U	19 U	19 U	na	na	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
SB-15	1/27/1998	8-11.0	35 U	7 U	7 U	17 U	7 U	7 U	7 U	7 U	7 U	na	na	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
	1/27/1998	11.0-12	42 U	8.5 U	8.5 U	21 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	na	na	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	12	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
SB1-5	12/19/1996	12-14	47 U	9.4 U	9.4 U	24 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	na	na	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
SB1-6	12/22/1997	12-14	32 U	6.4 U	6.4 U	16 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	na	na	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U
CLEANUP CRITERIA		Residential DEC	500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
		Industrial/ Commercial DEC	1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2A
VOCs RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB-17																										
	1/27/1998	12-14	71 U	24	14 U	34 U	14 U	14 U	14 U	14 U	14 U	na	na	14 U	14 U	14 U	14 U	65	100	480 J	15	14 U	110	15	14 U	14 U
SB1-7																										
	12/22/1997	10-12	27 U	5.3 U	5.3 U	13 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	na	na	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
SB1-8																										
	12/22/1997	6-8	320 U	6.5 U	6.5 U	73	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	na	na	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U
	12/22/1997	12-14	26 U	5.2 U	5.2 U	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	36	5.2 U	5.2 U	5.2 U	5.2 U	6.5	5.2 U	5.2 U
SB-18-9																										
	12/18/2004	8-10	19.4	0.29 U	0.49 U	2.9 U	na	0.25 U	0.35 U	0.35 U	2.2 U	na	na	0.42 U	na	na	na	0.74 U	0.42 U	0.47 U	0.66 U	0.7 U	1 U	0.3 U	0.62 U	0.68 U
SB1-9																										
	12/29/1997	8-12	120 U	24 U	24 U	60 U	24 U	24 U	24 U	24 U	24 U	na	na	24 U	24 U	24 U	24 U	24 U	24 U	24 U	24 U	24 U	24 U	24 U	24 U	24 U
SB-2																										
	1/23/1998	12-14	190 U	13 U	13 U	49	13 U	13 U	13 U	13 U	13 U	na	na	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U
SB-20																										
	1/26/1998	8-12	51 U	7.3 U	7.3 U	18 U	7.3 U	7.3 U	7.3 U	7.3 U	7.3 U	na	na	7.3 U	7.3 U	7.3 U	7.3 U	7.3 U	11	7.3 U	7.3 U	7.3 U	7.3 U	7.3 U	7.3 U	7.3 U
SB-21																										
	1/26/1998	12-14	27 U	5.3 U	5.3 U	13 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	na	na	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	7.9	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
SB2-3																										
	12/30/1997	8-10	110 U	22 U	22 U	56 U	22 U	22 U	22 U	22 U	22 U	na	na	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U
SB-23-0																										
	12/17/2004	6-8	3.3 U	0.28 U	0.47 U	2.8 U	na	0.24 U	0.33 U	0.34 U	2.1 U	na	na	0.4 U	na	na	na	0.7 U	0.4 U	0.45 U	0.63 U	0.67 U	0.99 U	0.29 U	0.6 U	0.65 U
SB2-4																										
	12/30/1997	8-10	50 U	7.2 U	7.2 U	18 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	na	na	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U
SB2-5																										
	12/31/1997	8-10	52 U	5.9 U	5.9 U	15 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	na	na	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U
SB-26																										
	1/23/1998	8-10	36 U	7.1 U	7.1 U	18 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	na	na	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U
SB2-6																										
	12/31/1997	8-10	55 U	4.8 U	4.8 U	12 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	na	na	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
SB-27																										
	1/21/1998	8-12	23 U	4.6 U	4.6 U	12 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	na	na	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
SB-3																										
	10/11/1996	10-12	110 U	22 U	22 U	55 U	22 U	22 U	22 U	22 U	22 U	na	na	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U
SB-31																										
	3/24/1998	12-14	44 U	6.5 U	6.5 U	16 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	na	na	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U
SB-4																										
	1/28/1998	10-12	36 U	7.2 U	7.2 U	18 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	na	na	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U
CLEANUP CRITERIA		Residential DEC	500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
		Industrial/ Commercial DEC	1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2A
VOCs RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB4-1	12/23/1996	12-14	43 U	5.1 U	5.1 U	13 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	na	na	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
SB4-13	1/5/1998	10-12	30 U	6 U	6 U	15 U	6 U	6 U	6 U	6 U	6 U	na	na	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
SB4-14	3/25/1998	14-16	25 U	4.9 U	4.9 U	12 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	na	na	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U
SB4-3	12/20/1996	12-13.9	230 U	17	6.9 U	17 U	6.9 U	6.9 U	6.9 U	6.9 U	8.6	na	na	6.9 U	6.9 U	6.9 U	6.9 U	31	2,500	17	10,000 J	71	110	40	520	6.9 U
SB4-4	12/26/1996	12-14	310 U	25 U	25 U	63 U	25 U	25 U	25 U	25 U	25 U	na	na	25 U	25 U	25 U	25 U	25 U	70	25 U	25 U	25 U	25 U	25 U	50	25 U
SB4-5	12/24/1996	10-12	160 U	23 U	23 U	58 U	23 U	23 U	23 U	23 U	23 U	na	na	23 U	23 U	23 U	23 U	23 U	23 U	23 U	23 U	23 U	23 U	23 U	23 U	23 U
SB4-6	1/6/1998	12-15.5	24 U	4.8 U	4.8 U	12 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	na	na	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	14	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
SB4-7	1/6/1998	12-16	100 U	20 U	20 U	51 U	20 U	20 U	20 U	20 U	20 U	na	na	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
SB4-8	12/31/1997	12-14	31 U	6.2 U	6.2 U	15 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	na	na	6.2 U	6.2 U	6.2 U	6.2 U	6.3	3,000 J	6.2 U	19	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U
SB4-9	1/5/1998	10-12	70 U	14 U	14 U	35 U	14 U	14 U	14 U	14 U	14 U	na	na	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
SB5-2	12/30/1996	10-12	2,400 J	26 U	26 U	350	26 U	26 U	26 U	26 U	26 U	na	na	26 U	26 U	26 U	26 U	26 U	26 U	26 U	33	26 U	26 U	26 U	26 U	26 U
SB5-4	1/6/1997	10-12	35 U	6.9 U	6.9 U	17 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	na	na	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U
SB5-5	1/3/1997	14-16	25 U	5 U	5 U	13 U	5 U	5 U	5 U	5 U	5 U	na	na	5 U	5 U	5 U	5 U	5 U	5 U	13	5 U	5 U	5 U	5 U	5 U	5 U
SB6-1	1/14/1997	10-12	170 U	19 U	19 U	46 U	19 U	19 U	240	300	560	na	na	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
	1/14/1997	14-16	110 U	5.6 U	5.6 U	14 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	na	na	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U
SB6-2	1/13/1997	10-12	31 U	6.3 U	6.3 U	16 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	na	na	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
SB-8	1/27/1998	12-12.5	29 U	5.6 U	5.6 U	14 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	na	na	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	6.5	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U
SB8-1	12/31/1996	12-14	30 U	5.9 U	5.9 U	15 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	na	na	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	20	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U
	12/31/1996	14-16	29 U	5.9 U	5.9 U	15 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	na	na	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	51	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U
SB8-10	1/7/1998	10-12	36 U	7.2 U	7.2 U	18 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	na	na	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2A
VOCs RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB8-11																										
	12/26/1997	10-12	30 U	5.9 U	5.9 U	15 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	na	na	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	3,600	5.9 U	78	5.9	5.9 U	5.9 U	5.9 U	5.9 U
SB8-12																										
	1/6/1998	10-12	110 U	21 U	21 U	53 U	21 U	21 U	21 U	28	21 U	na	na	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
	1/6/1998	12-14	100 U	20 U	20 U	51 U	20 U	20 U	20 U	20 U	20 U	na	na	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
SB8-16																										
	12/26/1997	12-14	23 U	4.6 U	4.6 U	11 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	na	na	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
SB8-18																										
	1/13/1998	10-12	32 U	6.4 U	6.4 U	16 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	na	na	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U
SB8-19																										
	1/7/1998	10-11.5	43 U	8.6 U	8.6 U	22 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	na	na	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U
SB8-21																										
	12/29/1997	10-12	26 U	5.3 U	5.3 U	13 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	na	na	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
SB8-23																										
	1/13/1998	10-12	26 U	5.2 U	5.2 U	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
SB8-24																										
	1/13/1998	8-10	32 U	6.3 U	6.3 U	16 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	na	na	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
SB8-27																										
	1/26/1998	8-10	31 U	6.3 U	6.3 U	16 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	na	na	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.9	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
SB8-28																										
	3/25/1998	14-16	31 U	6.3 U	6.3 U	16 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	na	na	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
SB8-29																										
	3/25/1998	14-16	35 U	7.1 U	7.1 U	18 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	na	na	7.1 U	7.1 U	7.1 U	7.1 U	220 J	310 J	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U
SB8-3																										
	12/26/1996	8-10	33 U	6.6 U	6.6 U	17 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	na	na	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
	12/26/1996	12-14	26 U	5.3 U	5.3 U	13 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	na	na	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U
SB8-31																										
	3/26/1998	14-16	31 U	6.1 U	6.1 U	15 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	na	na	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
SB8-4																										
	1/2/1997	8-10	23 U	4.6 U	4.6 U	11 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	na	na	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
SB8-5																										
	12/27/1996	10-11.8	31 U	5.2 U	5.2 U	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
SB8-6																										
	12/31/1996	8-10	24 U	4.8 U	4.8 U	12 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	na	na	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
	12/31/1996	12-14	36 U	4.3 U	4.3 U	11 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	na	na	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
SB8-8																										
	1/2/1997	10-12	31 U	5.2 U	5.2 U	13 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	na	na	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2A
VOCs RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB-9	1/28/1998	10-12	180 U	17 U	17 U	43 U	17 U	17 U	17 U	17 U	17 U	na	na	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
SBA-3	1/10/1997	10-12	93 U	15 U	15 U	37 U	15 U	15 U	15 U	15 U	15 U	na	na	15 U	15 U	15 U	15 U	15	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
SBA-4	1/27/1998	12-13	37 U	7.5 U	7.5 U	19 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	na	na	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U
SBA-6	2/3/1998	8-10	29 U	5.8 U	5.8 U	15 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	na	na	5.8 U	5.8 U	5.8 U	5.8 U	6.9	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
SBA-7	2/3/1998	8-10.1	27 U	5.4 U	5.4 U	13 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	na	na	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
SBMW-26-1	1/14/1998	2-4	30 U	6.1 U	6.1 U	15 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	na	na	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
SBSC-1	1/9/1997	8-10	98 U	11 U	11 U	26 U	11 U	11 U	11 U	11 U	11 U	na	na	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
SBSC-2	1/9/1997	10-12	140 U	8.2 U	8.2 U	21 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	na	na	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U
SBSC-4	2/3/1998	12-13.6	1,400 J	18 U	18 U	290	18 U	18 U	18 U	18 U,J	18 U,J	na	na	18 U,J	18 U,J	18 U,J	18 U,J	18 U,J	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U
	2/3/1998	13.6-16	740 J	12 U,J	12 U,J	110 J	12 U,J	12 U,J	12 J	12 U,J	12 U,J	na	na	12 U,J	12 U,J	12 U,J	12 U,J	12 U,J	12 U,J	12 U,J	12 U,J	12 U,J	12 U,J	12 U,J	12 U,J	12 U,J
SBSC-5	2/4/1998	12-16	41 U	8.1 U	8.1 U	20 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	na	na	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U

Notes:
Concentrations are reported in ug/kg (ppb).
MEK = methyl ethyl ketone.
MTBE = methyl tertiary butyl ether.
PCE = tetrachloroethylene.
TCE = trichloroethylene.
1,1,1-TCA = 1,1,1-trichloroethane.
cis-DCE = cis-1,2-dichloroethylene.
trans-DCE = trans-1,2-dichloroethylene.
1,1-DCE = 1,1-dichloroethylene.
1,1-DCA = 1,1-dichloroethane.
U = compound was not detected at the indicated concentration.
J = estimated value.
na = not analyzed.
- = data not collected/not available.
= concentration exceeds residential DEC.
= concentration exceeds residential DEC and industrial/commercial DEC.

CLEANUP CRITERIA	Residential DEC	500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC	1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
GP-1																										
	10/29/1996	10-12	na	na	na	na	na	8.83 U	13.3 U	na	na	na	na	na	na	na	na	23.8 U	35	239 U	na	na	na	na	na	na
GP-10																										
	10/30/1996	10-12	na	na	na	na	na	6.63 U	10 U	14.3 U	28 U	na	na	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
GP-2																										
	10/29/1996	10-12	na	na	na	na	na	7.1 U	10.7 U	na	na	na	na	na	na	na	na	19.2 U	5 J	192 U	na	na	na	na	na	na
GP-3																										
	10/29/1996	10-12	na	na	na	na	na	6.31 U	9.52 U	na	na	na	na	na	na	na	na	17 U	16.8 U	170 U	na	na	na	na	na	na
GP-6																										
	10/29/1996	8-10	na	na	na	na	na	7.36 U	11.1 U	15.8 U	32 U	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	10/29/1996	10-12	na	na	na	na	na	6.97 U	10.5 U	15 U	30 U	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	10/29/1996	10-12	na	na	na	na	na	6.85 U	10.3 U	14.7 U	29 U	na	na	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
GP-7																										
	10/30/1996	8-10	na	na	na	na	na	7.95 U	12 U	17.1 U	34 U	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	10/30/1996	10-12	na	na	na	na	na	8.28 U	12.5 U	17.8 U	36 U	na	na	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
	10/30/1996	10-12	na	na	na	na	na	6.63 U	10 U	14.3 U	28 U	na	na	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
GP-8																										
	10/30/1996	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	30 U	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	10/30/1996	10-12	na	na	na	na	na	5.85 U	8.82 U	12.6 U	25 U	na	na	na	na	na	na	15.8 U	15.6 U	158 U	na	na	na	na	na	na
GP-9																										
	10/30/1996	8-10	na	na	na	na	na	6.41 U	9.68 U	13.8 U	27 U	na	na	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
MW-10																										
	1/3/1997	8-10	na	na	na	na	na	6.31 U	9.52 U	13.6 U	na	na	na	na	na	na	na	17 U	16.8 U	170 U	na	na	na	na	na	na
	1/3/1997	10-12	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/3/1997	12-14	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	na	na	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/3/1997	14-16	na	na	na	na	na	5.76 U	8.7 U	12.4 U	na	na	na	na	na	na	na	15.5 U	15.3 U	156 U	na	na	na	na	na	na
MW-11D																										
	12/30/1996	6-8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	8 J	207 U	na	na	na	na	na	na
	12/30/1996	8-10	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/30/1996	10-12	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/30/1996	12-14	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	12/30/1996	14-16	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/30/1996	16-18	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-13D																										
	1/7/1998	10-12	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/7/1998	12-14	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/7/1998	14-16	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/7/1998	16-18	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/7/1998	18-20	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/7/1998	20-22	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/7/1998	22-24	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/7/1998	24-26	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/7/1998	26-28	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/7/1998	28-30	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
MW-14																										
	12/31/1997	10-12	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	12/31/1997	12-14	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/31/1997	14-15.5	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
MW-17D																										
	1/5/1998	6-8	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/5/1998	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	1/5/1998	10-12	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/5/1998	12-14	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/5/1998	12-14	na	na	na	na	na	6.31 U	9.52 U	13.6 U	na	8.93 U	18.1 U	na	na	na	na	7 J	16.8 U	170 U	na	na	na	na	na	na
	1/5/1998	14-16	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	11.7 U	23.8 U	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
	1/5/1998	16-18	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	11.7 U	23.8 U	na	na	na	na	38	22 U	224 U	na	na	na	na	na	na
	1/5/1998	18-20	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/5/1998	20-22	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/5/1998	22-24	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/5/1998	24-26	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/5/1998	26-28	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/5/1998	28-30	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
MW-18D																										
	1/14/1998	10-12	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/14/1998	12-14	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	10 J	185 U	na	na	na	na	na	na
	1/14/1998	14-16	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	1/14/1998	16-18	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/14/1998	18-20	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/14/1998	20-22	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/14/1998	22-23.9	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-19																										
	12/24/1997	10-12	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	12 U	24.3 U	na	na	na	na	22.8 U	62 B	229 U	na	na	na	na	na	na
	12/24/1997	12-14	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	10 J,B	188 U	na	na	na	na	na	na
	12/24/1997	14-16	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	20 J,B	176 U	na	na	na	na	na	na
	12/24/1997	16-18	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	20 J,B	215 U	na	na	na	na	na	na
MW-20																										
	1/20/1998	12-14	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	211 U	na	na	na	na	na	na
	1/20/1998	16-18	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	20 U	199 U	na	na	na	na	na	na
	1/20/1998	18-20	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	192 U	na	na	na	na	na	na
MW-21																										
	1/2/1998	6-8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/2/1998	8-10	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
MW-22																										
	1/20/1998	10-12	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	22 U	21 U	215 U	na	na	na	na	na	na
	1/20/1998	10-12	na	na	na	na	na	6 U	10 U	14 U	na	9 U	18 U	na	na	na	na	17 U	17 U	170 U	na	na	na	na	na	na
	1/20/1998	12-14	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	211 U	na	na	na	na	na	na
	1/20/1998	14-16	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	20 U	199 U	na	na	na	na	na	na
	1/20/1998	16-18	na	na	na	na	na	8 U	11 U	16 U	na	11 U	22 U	na	na	na	na	20 U	20 U	203 U	na	na	na	na	na	na
MW-23D																										
	1/12/1998	10-12	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	11.7 U	23.8 U	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
	1/12/1998	10-12	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/12/1998	12-14	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/12/1998	14-16	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	20 J	179 U	na	na	na	na	na	na
	1/12/1998	16-18	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	20 J	182 U	na	na	na	na	na	na
	1/12/1998	18-20	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/12/1998	20-22	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
MW-24BR																										
	2/18/1998	10-12	na	na	na	na	na	7 U	10 U	11 U	na	8 U	14 U	na	na	na	na	11 U	17 U	180 U	na	na	na	na	na	na
	2/18/1998	15-17	na	na	na	na	na	7 U	10 U	11 U	na	8 U	15 U	na	na	na	na	11 U	18 U	180 U	na	na	na	na	na	na
	2/18/1998	20-22	na	na	na	na	na	7 U	10 U	11 U	na	8 U	15 U	na	na	na	na	11 U	18 U	180 U	na	na	na	na	na	na
	2/18/1998	25-27	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	10 U	15 U	160 U	na	na	na	na	na	na
MW-25																										
	1/14/1998	4-6	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/14/1998	6-8	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/14/1998	8-12	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/14/1998	8-12	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/14/1998	12-13	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-26																										
	2/10/1998	4-4.5	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	10 U	15 U	160 U	na	na	na	na	na	na
MW-27D																										
	1/13/1998	8-10	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/13/1998	10-12	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/13/1998	12-14	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	1/13/1998	14-16	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/13/1998	16-18	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/13/1998	18-20	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
MW-28																										
	12/31/1997	10-12	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	41	215 U	na	na	na	na	na	na
	12/31/1997	12-14	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/31/1997	14-16	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
MW-29BR																										
	2/17/1998	10-12	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	10 U	200	170 U	na	na	na	na	na	na
	2/17/1998	15-17	na	na	na	na	na	7 U	10 U	10 U	na	7 U	13 U	na	na	na	na	10 U	1,000 J	170 U	na	na	na	na	na	na
	2/17/1998	15-17	na	na	na	na	na	7 U	10 U	11 U	na	8 U	14 U	na	na	na	na	11 U	1,300 J	180 U	na	na	na	na	na	na
MW-30BR																										
	2/19/1998	10-12	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	11 U	38	180 U	na	na	na	na	na	na
	2/19/1998	15-17	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	12 U	38	190 U	na	na	na	na	na	na
	2/19/1998	20-22	na	na	na	na	na	7 U	10 U	10 U	na	7 U	13 U	na	na	na	na	10 U	28	170 U	na	na	na	na	na	na
	2/19/1998	25-27	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	10 U	10 J	160 U	na	na	na	na	na	na
MW-31BR																										
	2/25/1998	10-12	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	12 U	18 U	190 U	na	na	na	na	na	na
	2/25/1998	15-17	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	16 J	200 U	na	na	na	na	na	na
	2/25/1998	20-22	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	10 U	16 U	160 U	na	na	na	na	na	na
MW-32																										
	3/23/1998	8-10	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	15 J	200 U	na	na	na	na	na	na
	3/23/1998	10-12	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	9 J	190 U	na	na	na	na	na	na
	3/23/1998	12-14	na	na	na	na	na	8 U	11 U	16 U	na	11 U	22 U	na	na	na	na	20 U	7 J	200 U	na	na	na	na	na	na
	3/23/1998	14-16	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	8 J	180 U	na	na	na	na	na	na
MW-33																										
	3/23/1998	8-10	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
	3/23/1998	10-12	na	na	na	na	na	8 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	210 U	na	na	na	na	na	na
	3/23/1998	12-14	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	39	180 U	na	na	na	na	na	na
	3/23/1998	14-16	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	15 J	190 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-34																										
	3/23/1998	10-12	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	5 J	180 U	na	na	na	na	na	na
	3/23/1998	12-14	na	na	na	na	na	8 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	15 J	210 U	na	na	na	na	na	na
	3/23/1998	14-16	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
MW-6																										
	10/17/1996	12-14	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	10/17/1996	14-15.5	na	na	na	na	na	6.63 U	10 U	14.3 U	na	na	na	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
MW-7																										
	10/17/1996	8-10	na	na	na	na	na	5.85 U	8.82 U	12.6 U	na	na	na	na	na	na	na	15.8 U	15.6 U	158 U	na	na	na	na	na	na
	10/17/1996	10-12	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	10/17/1996	12-14	na	na	na	na	na	6.97 U	10.5 U	15 U	na	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
MW-9																										
	10/18/1996	8-10	na	na	na	na	na	6.31 U	9.52 U	13.6 U	370 U	na	na	na	na	na	na	17 U	58 J	60 U	na	na	na	na	na	na
	10/18/1996	10-12	na	na	na	na	na	6.21 U	9.38 U	13.4 U	na	na	na	na	na	na	na	16.8 U	29	168 U	na	na	na	na	na	na
	10/18/1996	12-14	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	3 J	224 U	na	na	na	na	na	na
	10/18/1996	14-16	na	na	na	na	na	6.21 U	9.38 U	13.4 U	na	na	na	na	na	na	na	16.8 U	16.5 U	168 U	na	na	na	na	na	na
	10/18/1996	16-18	na	na	na	na	na	7.1 U	10.7 U	15.3 U	30 U	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	10/18/1996	16-18	na	na	na	na	na	6.02 U	9.09 U	13 U	26 U	na	na	na	na	na	na	16.3 U	16 U	163 U	na	na	na	na	na	na
SB-1																										
	1/14/1998	2-4	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/14/1998	4-5	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/14/1998	5-8	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/14/1998	8-10	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/14/1998	10-12	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/14/1998	12-13.5	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
SB-10																										
	1/30/1998	10-12	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	1/30/1998	10-12	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/30/1998	12-14	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
SB10-4																										
	1/2/1997	10-12	na	na	na	na	na	6.63 U	10 U	14.3 U	na	na	na	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/2/1997	12-14	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	na	na	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	1/2/1997	14-16	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
SB10-5																										
	1/6/1997	10-12	na	na	na	na	na	7.36 U	11.1 U	na	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/6/1997	12-12.5	na	na	na	na	na	7.1 U	10.7 U	na	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB-11																										
	1/30/1998	10-12	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/30/1998	10-12	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	1/30/1998	12-13	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
SB1-1																										
	12/17/1996	6-8	na	na	na	na	na	7.79 U	11.8 U	16.8 U	98	na	na	na	na	na	na	22 J	10 J	211 U	na	na	na	na	na	na
	12/17/1996	8-10	na	na	na	na	na	7.95 U	12 U	17.1 U	34 U	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	12/17/1996	10-12	na	na	na	na	na	7.1 U	10.7 U	15.3 U	30 U	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/17/1996	12-14	na	na	na	na	na	6.85 U	10.3 U	14.7 U	29 U	na	na	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	12/17/1996	14-16	na	na	na	na	na	7.79 U	11.8 U	16.8 U	33 U	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
SB1-10																										
	12/29/1997	6-8	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	12/29/1997	8-10	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	10 J,B	195 U	na	na	na	na	na	na
	12/29/1997	10-12	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	12/29/1997	12-14	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/29/1997	14-16	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	82 B	199 U	na	na	na	na	na	na
SB1-11																										
	12/30/1997	6-8	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	12/30/1997	8-10	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	12/30/1997	10-12	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/30/1997	12-14	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	12/30/1997	14-16	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
SB1-12																										
	3/24/1998	6-8	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	8 J	17 J	200 U	na	na	na	na	na	na
	3/24/1998	8-10	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	2 J	3 J	160 U	na	na	na	na	na	na
	3/24/1998	10-12	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	4 J	7 J	160 U	na	na	na	na	na	na
	3/24/1998	10-12	na	na	na	na	na	8 U	11 U	11 U	na	8 U	16 U	na	na	na	na	4 J	8 J	190 U	na	na	na	na	na	na
SB1-2																										
	12/18/1996	6-8	na	na	na	na	na	7.1 U	10.7 U	15.3 U	30 U	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/18/1996	8-10	na	na	na	na	na	7.95 U	12 U	17.1 U	34 U	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	12/18/1996	10-12	na	na	na	na	na	7.79 U	11.8 U	16.8 U	33 U	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/18/1996	12-14	na	na	na	na	na	7.79 U	11.8 U	16.8 U	33 U	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/18/1996	14-16	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	30 J	219 U	na	na	na	na	na	na
SB-13																										
	1/28/1998	8-12	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	43	211 U	na	na	na	na	na	na
	1/28/1998	12-14	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	97	188 U	na	na	na	na	na	na
	1/28/1998	14-16	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20 J	211 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB1-3																										
	12/18/1996	8-10	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	8 J	215 U	na	na	na	na	na	na
	12/18/1996	10-11.9	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	20 J	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
SB1-4																										
	12/19/1996	8-10	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/19/1996	10-12.3	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
SB-15																										
	1/27/1998	8-11.0	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/27/1998	11.0-12	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	37	207 U	na	na	na	na	na	na
	1/27/1998	12-12.8	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	29	188 U	na	na	na	na	na	na
	1/27/1998	12.8-16	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
SB1-5																										
	12/19/1996	8-10	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	12/19/1996	10-12	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	7 J	211 U	na	na	na	na	na	na
	12/19/1996	12-14	na	na	na	na	na	5.93 U	8.96 U	12.8 U	na	na	na	na	na	na	na	16 U	15.8 U	160 U	na	na	na	na	na	na
	12/19/1996	14-16	na	na	na	na	na	6.97 U	10.5 U	15 U	na	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
SB-16																										
	1/27/1998	10-12	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/27/1998	12-14	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/27/1998	14-16	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
SB1-6																										
	12/22/1997	6-8	na	na	na	na	na	7.64 U	11.5 U	726	na	10.8 U	21.9 U	na	na	na	na	20.6 U	30 B	207 U	na	na	na	na	na	na
	12/22/1997	8-10	na	na	na	na	na	7.36 U	11.1 U	528	na	10.4 U	21.1 U	na	na	na	na	20 U	29 B	199 U	na	na	na	na	na	na
	12/22/1997	10-12	na	na	na	na	na	7.79 U	11.8 U	50 J	na	11 U	22.4 U	na	na	na	na	21 U	46 B	211 U	na	na	na	na	na	na
	12/22/1997	12-14	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	12 U	24.3 U	na	na	na	na	22.8 U	40 B	229 U	na	na	na	na	na	na
	12/22/1997	14-16	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	22 J,B	211 U	na	na	na	na	na	na
SB-17																										
	1/27/1998	12-14	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	53	105	188 U	na	na	na	na	na	na
	1/27/1998	14-16	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	10 J	44	207 U	na	na	na	na	na	na
SB1-7																										
	12/22/1997	6-8	na	na	na	na	na	8.28 U	12.5 U	96 J	na	11.7 U	126	na	na	na	na	22.3 U	22 J,B	224 U	na	na	na	na	na	na
	12/22/1997	8-10	na	na	na	na	na	8.28 U	12.5 U	332	na	11.7 U	218	na	na	na	na	22.3 U	32 B	224 U	na	na	na	na	na	na
	12/22/1997	8-10	na	na	na	na	na	7.36 U	11.1 U	233	na	10.4 U	184	na	na	na	na	19.9 U	21 J,B	199 U	na	na	na	na	na	na
	12/22/1997	10-12	na	na	na	na	na	7.79 U	11.8 U	45 J	na	11 U	57	na	na	na	na	21 U	20 J,B	211 U	na	na	na	na	na	na
	12/22/1997	12-14	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	10 J,B	188 U	na	na	na	na	na	na
	12/22/1997	14-16	na	na	na	na	na	8.64 U	13 U	18.6 U	na	12.2 U	24.8 U	na	na	na	na	23.3 U	50 B	233 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB-18																										
	10/30/1997	12-14	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	10/30/1997	14-16	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
SB1-8																										
	12/22/1997	6-8	na	na	na	na	na	8 U	26 J	740 J	na	11 U	22 U	na	na	na	na	170	35 B	210 U	na	na	na	na	na	na
	12/22/1997	8-12	na	na	na	na	na	7 U	11 U	9 J	na	10 U	21 U	na	na	na	na	20 U	110 B	200 U	na	na	na	na	na	na
	12/22/1997	12-14	na	na	na	na	na	8 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	62 B	210 U	na	na	na	na	na	na
	12/22/1997	14-16	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	10 J,B	203 U	na	na	na	na	na	na
SB1-9																										
	12/29/1997	8-12	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	28 B	182 U	na	na	na	na	na	na
	12/29/1997	12-14	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	12/29/1997	14-16	na	na	na	na	na	7 U	10 U	15 U	na	10 U	20 U	na	na	na	na	19 U	18 U	185 U	na	na	na	na	na	na
SB-2																										
	1/23/1998	8-10	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	1 J	2 J	179 U	na	na	na	na	na	na
	1/23/1998	8-10	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	9.07 U	18.4 U	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
	1/23/1998	10-12	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/23/1998	12-14	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/23/1998	14-16	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
SB-20																										
	1/26/1998	8-12	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	9.07 U	18.4 U	na	na	na	na	17.3 U	21 J	173 U	na	na	na	na	na	na
	1/26/1998	12-16	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	3 J	188 U	na	na	na	na	na	na
SB-21																										
	1/26/1998	8.3-12	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20 J	211 U	na	na	na	na	na	na
	1/26/1998	12-14	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	52	199 U	na	na	na	na	na	na
	1/26/1998	14-16	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	10 J	203 U	na	na	na	na	na	na
SB2-1																										
	12/20/1996	8-10	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	12/20/1996	10-12	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
	12/20/1996	12-14	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/20/1996	14-16	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
SB-22																										
	1/26/1998	8-12	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/26/1998	12-14	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/26/1998	14-16	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB2-2																										
	12/20/1996	8-10	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/20/1996	10-12	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
	12/20/1996	12-14	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/20/1996	14-16	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
SB-23																										
	10/31/1997	12-14	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	25 J	22 J	207 U	na	na	na	na	na	na
	10/31/1997	12-14	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	9.07 U	18.4 U	na	na	na	na	19 J	23 J	173 U	na	na	na	na	na	na
SB2-3																										
	12/30/1997	8-10	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	12/30/1997	10-12	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/30/1997	12-14	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	12/30/1997	14-16	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
SB-24																										
	10/31/1997	10-12	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	10/31/1997	12-14	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	10/31/1997	14-16	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	9.07 U	18.4 U	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
SB2-4																										
	12/30/1997	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/30/1997	10-12	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	12/30/1997	12-14	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	12/30/1997	14-16	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
SB-25																										
	1/21/1998	8-12	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	23 J	190 U	na	na	na	na	na	na
	1/21/1998	12-14	na	na	na	na	na	8 U	11 U	16 U	na	11 U	22 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
	1/21/1998	14-16	na	na	na	na	na	7 U	10 U	14 U	na	10 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
SB2-5																										
	12/31/1997	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/31/1997	10-12	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	12/31/1997	12-14	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	12/31/1997	14-16	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
SB-26																										
	1/23/1998	6-8	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	2 J	39 J	192 U	na	na	na	na	na	na
	1/23/1998	8-10	na	na	na	na	na	3 J	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	10 J	179 U	na	na	na	na	na	na
	1/23/1998	10-12	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	1/23/1998	12-14	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	1/23/1998	14-16	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	5 J	176 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB2-6																										
	12/31/1997	8-10	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/31/1997	10-12	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	12/31/1997	12-14	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	12/31/1997	14-16	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
SB-27																										
	1/21/1998	8-12	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	7 J	10 J	200 U	na	na	na	na	na	na
	1/21/1998	12-16	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
SB-28																										
	3/24/1998	8-10	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
SB-29																										
	3/24/1998	8-10	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
SB-3																										
	1/14/1998	8-11	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	1/14/1998	11-12	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/14/1998	12-14	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/14/1998	14-16	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
SB-30																										
	3/24/1998	8-10	na	na	na	na	na	6 U	9 U	9 U	na	7 U	13 U	na	na	na	na	10 U	15 U	150 U	na	na	na	na	na	na
	3/24/1998	10-12	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	11 U	18 U	180 U	na	na	na	na	na	na
	3/24/1998	12-16	na	na	na	na	na	6 U	9 U	9 U	na	6 U	12 U	na	na	na	na	9 U	15 U	150 U	na	na	na	na	na	na
SB-31																										
	3/24/1998	10-10	na	na	na	na	na	6 U	9 U	13 U	na	9 U	18 U	na	na	na	na	17 U	6 J	170 U	na	na	na	na	na	na
	3/24/1998	10-12	na	na	na	na	na	7 U	10 U	14 U	na	10 U	19 U	na	na	na	na	18 U	5 J	180 U	na	na	na	na	na	na
	3/24/1998	12-14	na	na	na	na	na	8 U	11 U	16 U	na	11 U	22 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
SB-32																										
	3/24/1998	8-11.75	na	na	na	na	na	6 U	9 U	9 U	na	7 U	13 U	na	na	na	na	10 U	15 U	150 U	na	na	na	na	na	na
SB-33																										
	3/24/1998	8-10	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	21 U	21 U	210 U	na	na	na	na	na	na
SB-34																										
	3/24/1998	8-10	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	11 U	26	170 U	na	na	na	na	na	na
	3/24/1998	10-12	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	12 U	20 J	190 U	na	na	na	na	na	na
SB-35																										
	3/24/1998	4-6	na	na	na	na	na	7 U	10 U	14 U	na	10 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
	3/24/1998	6-8	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	21 U	11 J	210 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB-4																										
	1/28/1998	8-10	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/28/1998	10-12	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
SB-41																										
	3/25/1998	2-4	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	10 U	15 U	160 U	na	na	na	na	na	na
	3/25/1998	4-6	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	10 U	15 U	160 U	na	na	na	na	na	na
	3/25/1998	6-8	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	11 U	18 U	180 U	na	na	na	na	na	na
SB4-1																										
	12/23/1996	10-12	na	na	na	na	na	6.63 U	10 U	14.3 U	na	na	na	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	12/23/1996	12-14	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
SB4-10																										
	1/5/1998	10-12	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/5/1998	12-14	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	7 J	182 U	na	na	na	na	na	na
	1/5/1998	14-15	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
SB4-11																										
	1/5/1998	8-10	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	9 J	207 U	na	na	na	na	na	na
	1/5/1998	10-12	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	4 J	215 U	na	na	na	na	na	na
	1/5/1998	12-14	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	58	192 U	na	na	na	na	na	na
	1/5/1998	14-16	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	5 J	185 U	na	na	na	na	na	na
SB4-12																										
	1/20/1998	8-10	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	195 U	na	na	na	na	na	na
	1/20/1998	8-10	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	188 U	na	na	na	na	na	na
	1/20/1998	10-12	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	211 U	na	na	na	na	na	na
	1/20/1998	12-14	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	6 J	195 U	na	na	na	na	na	na
	1/20/1998	14-16	na	na	na	na	na	8 U	11 U	16 U	na	11 U	22 U	na	na	na	na	20 U	20 U	203 U	na	na	na	na	na	na
SB4-13																										
	1/5/1998	8-10	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	9.07 U	18.4 U	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
	1/5/1998	10-12	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	23 J	199 U	na	na	na	na	na	na
SB4-14																										
	3/25/1998	10-12	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	11 U	4 J	180 U	na	na	na	na	na	na
	3/25/1998	12-14	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	10 U	11 J	170 U	na	na	na	na	na	na
	3/25/1998	14-16	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	17 J	200 U	na	na	na	na	na	na
SB4-2																										
	12/23/1996	10-12	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	12/23/1996	12-13.8	na	na	na	na	na	5.93 U	8.96 U	12.8 U	na	na	na	na	na	na	na	16 U	15.8 U	160 U	na	na	na	na	na	na
SB4-3																										
	12/20/1996	12-13.9	na	na	na	na	na	33.8 U	51.1 U	72.8 U	na	na	na	na	na	na	na	6 J	1,390	914 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB4-4																										
	12/26/1996	10-12	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	10 J	555 J	203 U	na	na	na	na	na	na
	12/26/1996	12-14	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	131	211 U	na	na	na	na	na	na
	12/26/1996	14-16	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	na	na	na	na	na	na	19.5 U	148	195 U	na	na	na	na	na	na
SB4-5																										
	12/24/1996	10-12	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 J	203 U	na	na	na	na	na	na
	12/24/1996	12-12.5	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	na	na	na	na	na	na	17.3 U	1 J	173 U	na	na	na	na	na	na
SB4-6																										
	1/6/1998	10-12	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	3 J	10 J	179 U	na	na	na	na	na	na
	1/6/1998	12-15.5	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	171	207 U	na	na	na	na	na	na
SB4-7																										
	1/6/1998	12-16	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	10 J	2,030 J	182 U	na	na	na	na	na	na
SB4-8																										
	12/31/1997	10-12	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	347	4,730 J	322 J	na	na	na	na	na	na
	12/31/1997	12-14	na	na	na	na	na	7.79 U	11.8 U	33 J	na	11 U	22.4 U	na	na	na	na	21 U	2,050 J	211 U	na	na	na	na	na	na
	12/31/1997	14-16	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	680	185 U	na	na	na	na	na	na
SB4-9																										
	1/5/1998	10-12	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
SB-5																										
	1/28/1998	8-10	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	25 J	188 U	na	na	na	na	na	na
	1/28/1998	10-11.5	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
SB5-1																										
	12/30/1996	8-10	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/30/1996	10-12	na	na	na	na	na	6.97 U	10.5 U	15 U	na	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	12/30/1996	12-14	na	na	na	na	na	5.3 U	8 U	11.4 U	na	na	na	na	na	na	na	14.3 U	14.1 U	143 U	na	na	na	na	na	na
	12/30/1996	14-14.5	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
SB5-2																										
	12/30/1996	8-10	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/30/1996	10-12	na	na	na	na	na	8.64 U	13 U	18.6 U	na	na	na	na	na	na	na	20 J	42 J	233 U	na	na	na	na	na	na
	12/30/1996	12-14	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	20 J	224 U	na	na	na	na	na	na
	12/30/1996	14-16	na	na	na	na	na	6.21 U	9.38 U	13.4 U	na	na	na	na	na	na	na	16.8 U	480 J	168 U	na	na	na	na	na	na
SB5-3																										
	1/6/1997	10-12	na	na	na	na	na	6.97 U	10.5 U	15 U	na	na	na	na	na	na	na	18.8 U	6 J	188 U	na	na	na	na	na	na
SB5-4																										
	1/6/1997	10-12	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
	1/6/1997	12-14	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/6/1997	14-16	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB5-5																										
	1/3/1997	10-12	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/3/1997	12-14	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/3/1997	14-16	na	na	na	na	na	6.31 U	9.52 U	13.6 U	na	na	na	na	na	na	na	17 U	16.8 U	170 U	na	na	na	na	na	na
SB5-6																										
	12/30/1996	8-10	na	na	na	na	na	6.97 U	10.5 U	15 U	na	na	na	na	na	na	na	18.8 U	10 J	188 U	na	na	na	na	na	na
SB-6																										
	1/28/1998	8-10	na	na	na	na	na	6.02 U	9.09 U	13 U	na	8.52 U	17.3 U	na	na	na	na	16.3 U	16 U	163 U	na	na	na	na	na	na
	1/28/1998	10-12	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	1/28/1998	12-14	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/28/1998	14-16	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
SB6-1																										
	1/14/1997	10-12	na	na	na	na	na	452	1,530 J	2,770 J	na	1,420 J	4,470	na	na	na	na	na	na	192 U	na	na	na	na	na	na
	1/14/1997	12-14	na	na	na	na	na	319	1,200	49.6 U	na	1,460	66.1 U	na	na	na	na	na	na	623 U	na	na	na	na	na	na
	1/14/1997	14-16	na	na	na	na	na	30 U	45.3 U	na	na	na	na	na	na	na	na	80.9 U	79.8 U	811 U	na	na	na	na	na	na
SB6-2																										
	1/13/1997	10-12	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/13/1997	12-14	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
	1/13/1997	14-16	na	na	na	na	na	6.21 U	9.38 U	13.4 U	na	na	na	na	na	na	na	16.8 U	16.5 U	168 U	na	na	na	na	na	na
SB6-3																										
	1/14/1997	10-12	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/14/1997	14-14.5	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
SB6-4																										
	1/14/1997	10-12	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
	1/14/1997	12-13.5	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	na	na	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
SB6-5																										
	1/13/1997	10-12	na	na	na	na	na	6.97 U	10.5 U	15 U	na	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	1/13/1997	12-14	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/13/1997	14-16	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	na	na	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
SB7-1																										
	1/15/1997	10-12	na	na	na	na	na	32	127	806 J	na	185	2,620 J	na	na	na	na	290	56	145 U	na	na	na	na	na	na
	1/15/1997	12-14	na	na	na	na	na	8.83 U	13.3 U	259	na	47	1,040 J	na	na	na	na	77	23.5 U	239 U	na	na	na	na	na	na
SB7-2																										
	1/15/1997	10-12	na	na	na	na	na	6 J	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/15/1997	12-12.5	na	na	na	na	na	8.64 U	13 U	18.6 U	na	na	na	na	na	na	na	23.3 U	23 U	233 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB-8																										
	1/27/1998	8-10.9	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/27/1998	10.9-12	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/27/1998	12-12.5	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	9 J	203 U	na	na	na	na	na	na
SB8-1																										
	12/31/1996	10-12	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	na	na	na	na	na	na	18.5 U	144	185 U	na	na	na	na	na	na
	12/31/1996	12-14	na	na	na	na	na	139 U	211 U	300 U	na	na	na	na	na	na	na	376 U	6,300	3,770 U	na	na	na	na	na	na
	12/31/1996	14-16	na	na	na	na	na	13.7 U	20.7 U	29.5 U	na	na	na	na	na	na	na	37 U	778	370 U	na	na	na	na	na	na
SB8-10																										
	1/7/1998	10-12	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	20 J	215 U	75 U	na	na	na	na	na
	1/7/1998	12-14	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	10 J	185 U	na	na	na	na	na	na
	1/7/1998	14-16	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	20 J	185 U	na	na	na	na	na	na
SB8-11																										
	12/26/1997	10-12	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	3,780 J,B	215 U	na	na	na	na	na	na
	12/26/1997	12-14	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	1,920 J,B	188 U	na	na	na	na	na	na
	12/26/1997	14-16	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	1,820 J,B	182 U	na	na	na	na	na	na
	12/26/1997	16-18	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	54 B	185 U	na	na	na	na	na	na
	12/26/1997	18-19.58	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	35 B	182 U	na	na	na	na	na	na
SB8-12																										
	1/6/1998	10-12	na	na	na	na	na	150 U	226 U	323 U	na	212 U	430 U	na	na	na	na	405 U	399 U	4,050 U	na	na	na	na	na	na
	1/6/1998	12-14	na	na	na	na	na	7 U	11.1 U	105	na	10 U	21 U	na	na	na	na	19.9 U	520 J	199 U	na	na	na	na	na	na
	1/6/1998	14-16	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
SB8-13																										
	12/26/1997	12-14	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	92 B	211 U	na	na	na	na	na	na
	12/26/1997	14-16	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	100 B	192 U	na	na	na	na	na	na
	12/26/1997	16-18	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	10 J,B	203 U	na	na	na	na	na	na
	12/26/1997	18-20	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	10 J,B	211 U	na	na	na	na	na	na
SB8-14																										
	12/29/1997	10-12	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	25 J,B	211 U	na	na	na	na	na	na
	12/29/1997	12-14	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/29/1997	14-16	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	12/29/1997	18-19.2	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	12 U	24.3 U	na	na	na	na	22.8 U	22.5 U	229 U	na	na	na	na	na	na
SB8-16																										
	12/26/1997	10-12	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	5,080 J,B	199 U	na	na	na	na	na	na
	12/26/1997	12-14	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	4,020 J,B	219 U	na	na	na	na	na	na
	12/26/1997	14-16	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	36 B	195 U	na	na	na	na	na	na
	12/26/1997	16-18	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	46 B	219 U	na	na	na	na	na	na
	12/26/1997	18-19.83	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	20 J,B	219 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB8-17																										
	12/29/1997	10-12	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	49 B	207 U	na	na	na	na	na	na
	12/29/1997	12-14	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/29/1997	12-14	na	na	na	na	na	8.46 U	12.8 U	18.2 U	na	12 U	24.3 U	na	na	na	na	22.8 U	10 J,B	229 U	na	na	na	na	na	na
	12/29/1997	14-16	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	108 B	207 U	na	na	na	na	na	na
	12/29/1997	16-18	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	12/29/1997	18-20	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	11.5 U	23.3 U	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
SB8-18																										
	1/13/1998	8-10	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	10 J	203 U	na	na	na	na	na	na
	1/13/1998	10-12	na	na	na	na	na	6.63 U	10 U	14.3 U	na	9.38 U	19 U	na	na	na	na	17.9 U	3 J	179 U	na	na	na	na	na	na
	1/13/1998	12-14	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	9 J	195 U	na	na	na	na	na	na
	1/13/1998	14-16	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/13/1998	16-17.5	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
SB8-19																										
	1/7/1998	10-11.5	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	34	215 U	na	na	na	na	na	na
SB8-20																										
	1/21/1998	10-12	na	na	na	na	na	8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	99	210 U	na	na	na	na	na	na
	1/21/1998	12-14	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	25 J	180 U	na	na	na	na	na	na
	1/21/1998	14-16	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	21 J	200 U	na	na	na	na	na	na
	1/21/1998	16-18	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	10 J	190 U	na	na	na	na	na	na
	1/21/1998	18-19.5	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 J	190 U	na	na	na	na	na	na
SB8-21																										
	12/29/1997	10-12	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	20 J,B	188 U	na	na	na	na	na	na
	12/29/1997	12-14	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	12/29/1997	14-14.75	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
SB8-22																										
	1/7/1998	10-12	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	35 J	203 U	na	na	na	na	na	na
	1/7/1998	12-14	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	30	195 U	na	na	na	na	na	na
	1/7/1998	14-16	na	na	na	na	na	6.52 U	9.84 U	14 U	na	9.22 U	18.7 U	na	na	na	na	17.6 U	19 J	176 U	na	na	na	na	na	na
SB8-23																										
	1/13/1998	8-10	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	1/13/1998	10-12	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	10.6 U	21.5 U	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/13/1998	12-14	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
	1/13/1998	14-16	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
SB8-24																										
	1/13/1998	6-8	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/13/1998	8-10	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
	1/13/1998	10-12	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB8-25																										
	1/20/1998	8-11	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	18 U	179 U	na	na	na	na	na	na
SB8-26																										
	1/20/1998	10-12	na	na	na	na	na	7 U	10 U	15 U	na	10 U	19 U	na	na	na	na	18 U	6 J	182 U	na	na	na	na	na	na
	1/20/1998	12-14	na	na	na	na	na	7 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	5 J	199 U	na	na	na	na	na	na
	1/20/1998	14-16	na	na	na	na	na	7 U	10 U	15 U	na	10 U	19 U	na	na	na	na	18 U	18 U	182 U	na	na	na	na	na	na
SB8-27																										
	1/26/1998	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	182	192 U	na	na	na	na	na	na
	1/26/1998	10-12	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	9 J	182 U	na	na	na	na	na	na
	1/26/1998	12-14	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	72	195 U	na	na	na	na	na	na
	1/26/1998	14-16	na	na	na	na	na	7.79 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
SB8-28																										
	3/25/1998	10-12	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	5 J	190 U	na	na	na	na	na	na
	3/25/1998	12-14	na	na	na	na	na	7 U	10 U	14 U	na	9 U	19 U	na	na	na	na	18 U	4 J	180 U	na	na	na	na	na	na
	3/25/1998	14-16	na	na	na	na	na	6 U	10 U	14 U	na	9 U	18 U	na	na	na	na	17 U	17 U	170 U	na	na	na	na	na	na
SB8-29																										
	3/25/1998	10-12	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	11 U	23	180 U	na	na	na	na	na	na
	3/25/1998	12-14	na	na	na	na	na	7 U	9 U	10 U	na	7 U	13 U	na	na	na	na	1 J	47	160 U	na	na	na	na	na	na
	3/25/1998	14-16	na	na	na	na	na	8 U	11 U	11 U	na	8 U	15 U	na	na	na	na	180	310	190 U	na	na	na	na	na	na
SB8-3																										
	12/26/1996	8-10	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	na	na	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
	12/26/1996	10-12	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	12/26/1996	12-14	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	4 U	219 U	na	na	na	na	na	na
	12/26/1996	12-14	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
SB8-31																										
	3/26/1998	12-14	na	na	na	na	na	7 U	10 U	10 U	na	7 U	14 U	na	na	na	na	11 U	17 U	170 U	na	na	na	na	na	na
	3/26/1998	14-16	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	12 J	200 U	na	na	na	na	na	na
	3/26/1998	14-16	na	na	na	na	na	8 U	11 U	12 U	na	8 U	16 U	na	na	na	na	12 U	6 J	200 U	na	na	na	na	na	na
SB8-4																										
	1/2/1997	6-8	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	na	na	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
	1/2/1997	8-10	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	na	na	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
	1/2/1997	10-12	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	na	na	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/2/1997	12-14	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	na	na	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/2/1997	14-16	na	na	na	na	na	6.52 U	9.84 U	14 U	na	na	na	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
SB8-5																										
	12/27/1996	8-10	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	20 J	3 J	211 U	na	na	na	na	na	na
	12/27/1996	10-11.8	na	na	na	na	na	6.97 U	10.5 U	15 U	na	na	na	na	na	na	na	7 J	18.6 U	188 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SB8-6																										
	12/31/1996	8-10	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	12/31/1996	10-12	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	na	na	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	12/31/1996	12-14	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	10 J	3 J	203 U	na	na	na	na	na	na
	12/31/1996	14-16	na	na	na	na	na	6.21 U	9.38 U	13.4 U	na	na	na	na	na	na	na	7 J	16.5 U	168 U	na	na	na	na	na	na
	12/31/1996	14-16	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
SB8-7																										
	12/27/1996	10-12	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	1,780 J	203 U	na	na	na	na	na	na
	12/27/1996	12-13.8	na	na	na	na	na	6.52 U	9.84 U	14 U	na	na	na	na	na	na	na	17.6 U	68	176 U	na	na	na	na	na	na
SB8-8																										
	1/2/1997	10-12	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	na	na	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
	1/2/1997	12-13.5	na	na	na	na	na	6.52 U	9.84 U	14 U	na	na	na	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
SB8-9																										
	1/2/1997	10-10.5	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	na	na	na	na	na	na	19.5 U	35 J	195 U	na	na	na	na	na	na
SB-9																										
	1/28/1998	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
	1/28/1998	10-12	na	na	na	na	na	7.95 U	12 U	17.1 U	na	11.3 U	22.8 U	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
	1/28/1998	12-14	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	10.2 U	20.7 U	na	na	na	na	19.5 U	19.2 U	195 U	na	na	na	na	na	na
	1/28/1998	14-16	na	na	na	na	na	6.97 U	10.5 U	15 U	na	9.87 U	20 U	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
SB9-10																										
	2/2/1998	6-8	na	na	na	na	na	6.7 U	10 U	14 U	na	9.5 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
	2/2/1998	6-8	na	na	na	na	na	7.8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	210 U	na	na	na	na	na	na
SB9-12																										
	2/2/1998	6-8	na	na	na	na	na	7.6 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	210 U	na	na	na	na	na	na
SB9-2																										
	1/15/1997	6-8	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
	1/15/1997	8-9	na	na	na	na	na	6.97 U	10.5 U	15 U	na	na	na	na	na	na	na	18.8 U	18.6 U	188 U	na	na	na	na	na	na
SB9-3																										
	1/14/1997	8-9	na	na	na	na	na	8.11 U	12.2 U	17.4 U	na	na	na	na	na	na	na	21.9 U	21.6 U	219 U	na	na	na	na	na	na
SB9-4																										
	1/14/1997	10-11.9	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	na	na	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
SB9-5																										
	1/15/1997	6-8	na	na	na	na	na	6.41 U	9.68 U	13.8 U	na	na	na	na	na	na	na	17.3 U	17.1 U	173 U	na	na	na	na	na	na
	1/15/1997	8-10	na	na	na	na	na	6.63 U	10 U	14.3 U	na	na	na	na	na	na	na	17.9 U	17.6 U	179 U	na	na	na	na	na	na
	1/15/1997	10-11.5	na	na	na	na	na	7.95 U	12 U	17.1 U	na	na	na	na	na	na	na	21.5 U	21.2 U	215 U	na	na	na	na	na	na
SB9-8																										
	2/2/1998	6-8	na	na	na	na	na	6.85 U	10.3 U	14.7 U	na	9.7 U	19.7 U	na	na	na	na	18.5 U	18.2 U	185 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SBA-10																										
	1/30/1998	10-12	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	11 U	22.4 U	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
SBA-11																										
	1/30/1998	10-12	na	na	na	na	na	6.74 U	10.2 U	14.5 U	na	9.53 U	19.3 U	na	na	na	na	18.2 U	17.9 U	182 U	na	na	na	na	na	na
	1/30/1998	12-15.8	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	20.3 U	207 U	na	na	na	na	na	na
SBA-2																										
	1/13/1997	10-11.9	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
SBA-3																										
	1/10/1997	8-10	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	20 J	3 J	192 U	na	na	na	na	na	na
	1/10/1997	10-12	na	na	na	na	na	8.28 U	12.5 U	17.8 U	na	na	na	na	na	na	na	22.3 U	22 U	224 U	na	na	na	na	na	na
	1/10/1997	12-12.5	na	na	na	na	na	7.5 U	11.3 U	16.1 U	na	na	na	na	na	na	na	20.2 U	20 U	203 U	na	na	na	na	na	na
SBA-4																										
	1/27/1998	12-13	na	na	na	na	na	7.64 U	11.5 U	16.4 U	na	10.8 U	21.9 U	na	na	na	na	20.6 U	24 J	207 U	na	na	na	na	na	na
SBA-5																										
	1/20/1998	10-12	na	na	na	na	na	7 U	10 U	15 U	na	10 U	19 U	na	na	na	na	18 U	18 U	182 U	na	na	na	na	na	na
	1/20/1998	12-14	na	na	na	na	na	8 U	11 U	16 U	na	11 U	22 U	na	na	na	na	20 U	20 U	203 U	na	na	na	na	na	na
	1/20/1998	14-16	na	na	na	na	na	7 U	11 U	15 U	na	10 U	20 U	na	na	na	na	19 U	19 U	192 U	na	na	na	na	na	na
SBA-6																										
	2/3/1998	8-10	na	na	na	na	na	7 U	11 U	15 U	na	9.9 U	20 U	na	na	na	na	4 J	7 J	190 U	na	na	na	na	na	na
	2/3/1998	10-12	na	na	na	na	na	7.8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	19 J	25 J	210 U	74 U	na	na	na	na	na
	2/3/1998	12-14	na	na	na	na	na	6.7 U	10 U	14 U	na	9.5 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
	2/3/1998	14-16	na	na	na	na	na	7.8 U	12 U	17 U	na	11 U	22 U	na	na	na	na	21 U	21 U	210 U	na	na	na	na	na	na
SBA-7																										
	2/3/1998	8-10.1	na	na	na	na	na	7 U	11 U	15 U	na	9.9 U	20 U	na	na	na	na	19 U	19 U	190 U	na	na	na	na	na	na
	2/3/1998	10.1-12	na	na	na	na	na	6.6 U	10 U	14 U	na	9.4 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
	2/3/1998	12-15	na	na	na	na	na	6.7 U	10 U	14 U	na	9.5 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
SBA-8																										
	2/3/1998	10-12	na	na	na	na	na	7.5 U	11 U	16 U	na	11 U	22 U	na	na	na	na	20 U	20 U	200 U	na	na	na	na	na	na
	2/3/1998	12-14	na	na	na	na	na	7.2 U	11 U	16 U	na	10 U	21 U	na	na	na	na	20 U	19 U	200 U	na	na	na	na	na	na
	2/3/1998	14-16	na	na	na	na	na	6.5 U	9.8 U	14 U	na	9.2 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
SBA-9																										
	2/4/1998	8-12	na	na	na	na	na	6.5 U	9.8 U	14 U	na	9.2 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
SBMW-26-1																										
	1/14/1998	0-2	na	na	na	na	na	7.36 U	11.1 U	15.8 U	na	10.4 U	21.1 U	na	na	na	na	19.9 U	19.6 U	199 U	na	na	na	na	na	na
	1/14/1998	2-4	na	na	na	na	na	6.52 U	9.84 U	14 U	na	1 J	18.7 U	na	na	na	na	17.6 U	17.3 U	176 U	na	na	na	na	na	na
	1/14/1998	4-5.5	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	10 U	20.4 U	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

TABLE 2B
VOCs RESULTS FOR SATURATED ZONE SOILS (MOBILE LAB DATA)
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SBMW-26-2																										
	2/3/1998	0-2	na	na	na	na	na	7.6 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	210 U	na	na	na	na	na	na
	2/3/1998	4-5	na	na	na	na	na	7.6 U	12 U	16 U	na	11 U	22 U	na	na	na	na	21 U	20 U	210 U	na	na	na	na	na	na
SBSC-1																										
	1/9/1997	8-10	na	na	na	na	na	7.79 U	11.8 U	16.8 U	na	na	na	na	na	na	na	21 U	20.7 U	211 U	na	na	na	na	na	na
	1/9/1997	10-11.5	na	na	na	na	na	7.23 U	10.9 U	15.5 U	na	na	na	na	na	na	na	19.5 U	4 J	195 U	na	na	na	na	na	na
SBSC-2																										
	1/9/1997	10-12	na	na	na	na	na	6.02 U	9.09 U	13 U	na	na	na	na	na	na	na	16.3 U	16 U	163 U	na	na	na	na	na	na
	1/9/1997	12-14	na	na	na	na	na	6.02 U	9.09 U	13 U	na	na	na	na	na	na	na	16.3 U	16 U	163 U	na	na	na	na	na	na
	1/9/1997	14-16	na	na	na	na	na	7.1 U	10.7 U	15.3 U	na	na	na	na	na	na	na	19.2 U	18.9 U	192 U	na	na	na	na	na	na
SBSC-4																										
	2/3/1998	10-12	na	na	na	na	na	6.4 U	9.7 U	14 U	na	9.1 U	18 U	na	na	na	na	17 U	17 U	170 U	na	na	na	na	na	na
	2/3/1998	12-13.6	na	na	na	na	na	6.7 U	10 U	14 U	na	9.5 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
	2/3/1998	13.6-16	na	na	na	na	na	6.7 U	10 U	14 U	na	9.5 U	19 U	na	na	na	na	18 U	18 U	180 U	na	na	na	na	na	na
SBSC-5																										
	2/4/1998	8-12	na	na	na	na	na	6.5 U	9.8 U	14 U	na	9.2 U	19 U	na	na	na	na	18 U	17 U	180 U	na	na	na	na	na	na
	2/4/1998	12-16	na	na	na	na	na	8 U	12 U	17 U	na	11 U	23 U	na	na	na	na	21 U	21 U	210 U	na	na	na	na	na	na
CLEANUP CRITERIA	Residential DEC		500,000	500,000	100,000	500,000	500,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	26,000	12,000	56,000	500,000	500,000	500,000	1,000	500,000	320	-
	Industrial/ Commercial DEC		1,000,000	1,000,000	940,000	1,000,000	1,000,000	200,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	240,000	110,000	520,000	1,000,000	1,000,000	1,000,000	9,500	1,000,000	3,000	-

Notes:
Concentrations are reported in ug/kg (ppb).
MEK = methyl ethyl ketone.
MTBE = methyl tertiary butyl ether.
PCE = tetrachloroethylene.
TCE = trichloroethylene.
1,1,1-TCA = 1,1,1-trichloroethane.
cis-DCE = cis-1,2-dichloroethylene.
trans-DCE = trans-1,2-dichloroethylene.
1,1-DCE = 1,1-dichloroethylene.
1,1-DCA = 1,1-dichloroethane.
U = compound was not detected at the indicated concentration.
B = analyte also present in laboratory method blank.
J = estimated value.
na = not analyzed.
- = data not collected/not available.
= concentration exceeds residential DEC.
= concentration exceeds residential DEC and industrial/commercial DEC.

TABLE 3
SVOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
B01	10/20/1995	14-16	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
B02	10/20/1995	12-14	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
B03	10/20/1995	4-6	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
B04	10/20/1995	10-12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
B05	10/20/1995	8-10	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
B06	10/20/1995	14-16	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
B07	10/20/1995	4-6	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
B09	10/20/1995	8-10	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
B10	10/21/1995	4-6	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
B11	10/21/1995	4-6	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
B12	10/21/1995	10-12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
BB-01	5/11/2005	2-4	23 U	23 U	23 U	8 U	7 U	6 U	9 U	9 U	15 U	68 J	12 U	23 U	104 J	23 U	7 U	12 U	21 U	89 J
BB-02	5/12/2005	2-4	22 U	283	193 J	699	723	653	409	425	14 U	807	169 J	22 U	1,260	88 J	354	78 J	547	1,130
BB-03	5/11/2005	4-6	23 U	23 U	23 U	8 U	7 U	6 U	9 U	9 U	15 U	7 U	12 U	23 U	16 U	23 U	7 U	12 U	21 U	10 U
BB-04	5/11/2005	2-4	23 U	23 U	23 U	7 U	7 U	6 U	9 U	8 U	15 U	7 U	12 U	23 U	15 U	23 U	7 U	12 U	20 U	10 U
BB-05	5/11/2005	4-6	26 U	26 U	26 U	8 U	8 U	7 U	10 U	10 U	17 U	8 U	13 U	26 U	66 J	26 U	8 U	14 U	81 J	11 U
BB-06	5/11/2005	4-6	23 U	23 U	23 U	7 U	7 U	6 U	9 U	8 U	15 U	7 U	12 U	23 U	16 U	23 U	7 U	12 U	21 U	10 U
BB-07	5/11/2005	2-4	23 U	211 J	150 J	663	434	562	271 J	368	15 U	1,270	135 J	23 U	958	23 U	196 J	882	1,910	1,210
BB-08	5/11/2005	4-6	25 U	320	194 J	1,120	1,020	1,010	552	859	16 U	1,310	210 J	25 U	1,720	25 U	478	333	435	1,700
CLEANUP CRITERIA	Residential DEC		1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC		2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000
	GAPMC		8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	14,000	5,600	5,600	1,000	5,600	4,000	4,000

TABLE 3
SVOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
BB-09	5/11/2005	2-4	26 U	26 U	26 U	123 J	109 J	93 J	78 J	100 J	17 U	225 J	14 U	26 U	268 J	26 U	8 U	76 J	245 J	313 J
BB-10	5/11/2005	2-4	24 U	24 U	24 U	8 U	7 U	7 U	10 U	9 U	16 U	8 U	13 U	24 U	17 U	24 U	7 U	13 U	22 U	11 U
BB-11	5/11/2005	2-4	25 U	25 U	25 U	8 U	8 U	7 U	10 U	9 U	16 U	8 U	13 U	25 U	17 U	25 U	7 U	13 U	23 U	11 U
BB-12	5/12/2005	4-6	23 U	373	205 J	659	746	841	470	351	15 U	950	187 J	23 U	921	23 U	394	351	573	950
BB-13	5/12/2005	2-4	89 J	873	549	1,800	1,940	2,030	1,040	1,390	14 U	2,030	355	22 U	2,650	282	885	270	1,050	2,800
BB-14	5/12/2005	4-6	25 U	476	358	1,330	1,200	1,150	619	966	16 U	1,510	257 J	25 U	2,320	25 U	549	109 J	843	2,410
BB-15	5/12/2005	2-4	25 U	25 U	25 U	8 U	7 U	7 U	10 U	9 U	16 U	8 U	13 U	25 U	17 U	25 U	7 U	13 U	22 U	11 U
BB-16	5/11/2005	2-4	25 U	56 J	41 J	160 J	230 J	175 J	115 J	156 J	16 U	209 J	13 U	25 U	272 J	25 U	103 J	13 U	178 J	318 J
BB-17	5/11/2005	4-6	25 U	414	181 J	329	1,710	1,320	372	944	16 U	487	122 J	25 U	472	25 U	408	13 U	23 U	937
BB-18	5/12/2005	2-4	24 U	24 U	24 U	64 J	72 J	6 U	9 U	9 U	15 U	97 J	12 U	24 U	127 J	24 U	7 U	13 U	67 J	129 J
BB-19	5/12/2005	2-4	25 U	25 U	25 U	8 U	8 U	7 U	10 U	9 U	16 U	8 U	13 U	25 U	17 U	25 U	8 U	13 U	23 U	11 U
BB-20	5/12/2005	4-6	11,800	12,800	23,900	45,100	30,400	36,200	16,600	17,200	150 U	42,200	7,150	240 U	93,900	30,900	14,400	26,700	90,200	77,700
BG	10/27/1994	-	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
CB1	10/27/1994	-	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
CB10	10/27/1994	-	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
CB2	10/27/1994	-	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	3	na	na
CB3	10/27/1994	-	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
CB4	10/27/1994	-	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	9	na	na
CB5	10/27/1994	-	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
CLEANUP CRITERIA	Residential DEC		1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC		2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000
	GAPMC		8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	14,000	5,600	5,600	1,000	5,600	4,000	4,000

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Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
CB6	10/27/1994	-	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
CB7	10/27/1994	-	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	na	na
CB8	10/27/1994	-	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
CB9	10/27/1994	-	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	12	na	na
Composite 1	10/8/1996	-	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U
Composite 2	10/8/1996	-	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U
Composite 3	10/8/1996	-	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U
Composite 4	10/8/1996	-	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U
Composite 5	10/8/1996	-	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U
GP-1	10/29/1996	6-8	390 U	390 U	590	1,200	970	1,100	600	720	390 U	1,300	390 U	390 U	3,000	660	620	1,100	3,300	2,400
GP-2	10/29/1996	2-4	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U
GP-4	10/29/1996	6-8	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	500 U	630	410 U	410 U	410 U	450	570
GP-7	10/30/1996	2-4	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	480	400 U	400 U	400 U	400 U	400 U
GP-9	10/30/1996	4-6	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U
HTE-15	8/31/1993	6-8	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
HTE-23	8/31/1993	5-7	10 U	10 U	104	27	56	22	50	29	na	42	50 U	na	88	16	50	10 U	12	93
HTE-8	8/31/1993	4-6	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-10	1/3/1997	2-4	1,500	4,800	12,000	23,000	15,000	15,000	4,800	12,000	710 U	21,000	2,800	2600 U	49,000	14,000	5,900	1,800	60,000	39,000

CLEANUP CRITERIA	Residential DEC	1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC	2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000
	GAPMC	8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	14,000	5,600	5,600	1,000	5,600	4,000	4,000

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MW-13D																				
	1/7/1998	0-2	650 U	1,400	870	7,500 J	5,200	5,500	4,000	2,100	650 U	6,600 J	1,300	650 U	6,100	650	3,200	650 U	4,000	12,000 J
	1/7/1998	4-6	680 U	2,400	3,800	15,000 J	6,600	6,100	4,200	4,200	680 U	10,000 J	1,200	680 U	14,000 J	1,700	3,800	680 U	14,000 J	29,000 J
MW-14																				
	12/31/1997	2-4	650 U	650 U	920	2,800	2,500	2,400	1,700	1,400	650 U	2,800	650 U	650 U	7,300 J	650 U	1,700	660 U	6,300	6,900 J
MW-18D																				
	1/14/1998	4-6	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	1,900	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U
	1/14/1998	8-10	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	2,500	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U
MW-20																				
	1/20/1998	0-2	700 U	700 U	700 U	1,200	1,200	1,100	770	780	700 U	1,400	700 U	700 U	1,900	700 U	740	700 U	850	2,500
	1/20/1998	4-6	670 U	670 U	670 U	760	750	800	670 U	670 U	670 U	830	670 U	670 U	1,400	670 U	670 U	670 U	670 U	1,100
MW-27D																				
	1/13/1998	6-8	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U
MW-32																				
	3/23/1998	0-2	780 U	780 U	780 U	2,000	1,600	1,800	820	1,000	780 U	1,900	780 U	780 U	4,100	780 U	850	780 U	2,600	3,300
	3/23/1998	4-6	870 U	870 U	870 U	870 U	880 U	870 U	870 U	880 U	870 U	870 U	870 U	870 U	880 U	870 U	880 U	870 U	870 U	870 U
PIPE-1																				
	5/12/2005	-	103	1,880	1,100	7,480	6,740	5,850	1,280	6,530	334 J	8,640	562	25 U	9,150	128 J	1,410	247 J	2,100	10,400
SB-10																				
	1/14/1998	-	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U
	1/30/1998	2-4	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U
	1/30/1998	8-10	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U
SB10-1																				
	1/3/1997	6-7.5	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	430 U	360 U	360 U	360 U	360 U	360 U	360 U
SB10-2																				
	1/6/1997	2-4	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	620 U	360 U	360 U	360 U	360 U	360 U	360 U
	1/6/1997	6-8	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	790 U	360 U	360 U	360 U	360 U	360 U	360 U
SB10-3																				
	1/6/1997	0-2	420 U	420 U	420 U	1,400	1,400	1,700	700	1,100	420 U	1,400	420 U	970 U	1,800	420 U	780	420 U	560	2,500
SB10-4																				
	1/2/1997	4-6	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	510 U	370 U	370 U	370 U	370 U	370 U	370 U
SB10-5																				
	1/6/1997	2-4	370 U	370 U	370 U	580	580	530	370 U	450	370 U	640	370 U	1000 U	950	380 U	380	370 U	550	1,300
SB10-6																				
	1/3/1997	0-2	360 U	360 U	510	2,200	2,100	2,600	1,300	1,000	360 U	2,100	430	690 U	4,600	360 U	1,500	360 U	2,000	4,400
SB10-7																				
	1/2/1997	2-4	4,800	8,700	14,000	21,000	15,000	12,000	6,300	6,500	760 U	22,000	2,800	1100 U	46,000	20,000	6,800	18,000	87,000 J	54,000
CLEANUP CRITERIA	Residential DEC		1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC		2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000
	GAPMC		8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	14,000	5,600	5,600	1,000	5,600	4,000	4,000

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SB10-8																				
	1/3/1997	4-5	360 U	360 U	360 U	360 U	370 U	360 U	360 U	360 U	360 U	360 U	360 U	2400 U	360 U	360 U	360 U	360 U	360 U	360 U
SB-11																				
	1/30/1998	0-2	700 U	700 U	700 U	820	870	840	700 U	700 U	700 U	880	700 U	700 U	1,500	700 U	700 U	700 U	700 U	1,200
	1/14/1998	-	740 U	740 U	740 U	1,400	1,400	1,200	740 U	970	1,000 U	1,600	740 U	740 U	2,600	740 U	740 U	740 U	1,200	3,000
	1/30/1998	4-6	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U
SB1-1																				
	12/17/1996	4-6	510 U	510 U	510 U	510 U	510 U	510 U	510 U	510 U	510 U	510 U	510 U	510 U	510 U	510 U	510 U	510 U	510 U	510 U
SB1-12																				
	3/24/1998	2-4	770 U	770 U	770 U	780 U	780 U	780 U	770 U	780 U	770 U	780 U	770 U	770 U	780 U	770 U	770 U	770 U	770 U	780 U
	3/24/1998	4-6	770 U	770 U	770 U	1,100	880	960	770 U	770 U	770 U	1,100	770 U	770 U	1,500	770 U	770 U	770 U	770 U	1,400
SB-12																				
	10/30/1997	0-2	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U
SB1-2																				
	12/18/1996	4-6	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U
SB-13																				
	1/28/1998	2-4	640 U	640 U	640 U	1,200	1,700	1,700	1,100	1,000	640 U	1,400	640 U	640 U	1,500	640 U	1,100	640 U	640 U	1,700
SB1-3																				
	12/18/1996	4-6	400 U	790	400 U	2,800	2,700	3,200	1,400	2,200	400 U	2,900	630	400 U	4,600 J	400 U	1,600	400 U	1,100	6,000 J
SB-14																				
	10/30/1997	2-3.8	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U
SB1-4																				
	12/19/1996	4-6	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	390	380 U	380 U	380 U	380 U	410
SB-15																				
	1/27/1998	2-4	660 U	800	660 U	2,700	3,500	3,800	2,600	2,100	790 U	3,000	830	660 U	3,200	660 U	2,300	660 U	820	3,900
SB1-5																				
	12/19/1996	4-6	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U
SB-16																				
	1/27/1998	2-4	630 U	630 U	630 U	2,200	2,500	2,700	1,700	1,600	630 U	2,300	630 U	630 U	3,000	630 U	1,700	630 U	830	3,200
	1/27/1998	8-10	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U
SB1-6																				
	12/22/1997	4-6	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U
SB-17																				
	1/27/1998	2-4	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U
SB1-7																				
	12/22/1997	4-6	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U
CLEANUP CRITERIA	Residential DEC		1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC		2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000
	GAPMC		8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	14,000	5,600	5,600	1,000	5,600	4,000	4,000

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SVOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
SB-18																				
	10/30/1997	4-6	680 U	680 U	680 U	680 U	940	820	680 U	680 U	680 U	680 U	680 U	680 U	1,300	680 U	680 U	680 U	680 U	1,100
	10/30/1997	10-12	640 U	640 U	640 U	640 U	640 U	640 U	1,200	640 U	640 U	640 U	640 U	640 U	830	640 U	750	640 U	910	780
SB1-8																				
	12/22/1997	4-6	700 U	710 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	710 U	700 U	710 U	700 U	700 U	1,500
SB-19																				
	10/31/1997	2-4	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	1,500 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U	610 U
SB-2																				
	1/23/1998	6-8	660 U	660 U	660 U	660 U	660 U,J	660 U,J	660 U,J	660 U,J	660 U	660 U	660 U,J	660 U	660 U	660 U	660 U,J	660 U	660 U	660 U
SB-20																				
	12/18/1997	-	730 U	730 U	730 U	1,400	1,600	1,400	910	1,200	730 U	1,700	730 U	730 U	2,000	730 U	890	730 U	730 U	2,800
	1/26/1998	6-8	730 U	730 U	730 U	730 U	730 U	830	730 U	730 U	730 U	970	730 U	730 U	1,700	730 U	730 U	730 U	1,000	1,300
SB-21																				
	12/18/1997	-	1,500	690	2,500	6,800	6,400	7,800 J	2,800	2,900	680 U	7,000 J	1,300	680 U	10,000 J	1,500	3,000	1,200	8,300 J	13,000 J
	1/26/1998	6-8	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U
SB2-1																				
	12/20/1996	4-6	510	420 U	1,200	3,400	2,500	2,800	1,000	1,700	420 U	2,800	490	420 U	6,300 J	770	1,400	420 U	4,000	6,200 J
SB-22																				
	1/26/1998	2-4	650 U	650 U	960	5,200	4,900	5,100	4,000	2,500	650 U	5,400	1,100	650 U	9,300 J	650 U	3,400	650 U	5,200	8,200 J
	1/26/1998	6-8	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U
SB2-2																				
	12/20/1996	2-4	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U
SB-23																				
	10/31/1997	2-4	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U
	10/31/1997	8-10	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U
SB2-3																				
	12/30/1997	2-4	740 U	750 U	1,400	3,800	2,700	2,400	1,000	1,500	890 U	3,400	750 U	740 U	7,100	750 U	1,200	740 U	3,200	6,500
SB-24																				
	10/31/1997	2-4	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U
	10/31/1997	8-10	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U
SB2-4																				
	12/30/1997	2-4	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	1,400 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U
SB-25																				
	1/21/1998	0-2	670 U	670 U	670 U	670 U	670 U	680	670 U	670 U	670 U	670 U	670 U	670 U	1,200	670 U	670 U	670 U	670 U	820
	1/21/1998	4-7.5	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U
SB2-5																				
	12/31/1997	2-4	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U

CLEANUP CRITERIA	Residential DEC	1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC	2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000
	GAPMC	8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	14,000	5,600	5,600	1,000	5,600	4,000	4,000

TABLE 3
SVOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
SB-26																				
	1/23/1998	4-6	880 U	880 U	910	1,900	1,500 J	1,500 J	880 U,J	1,000 J	880 U	2,100	880 U,J	880 U	4,100	1,100	880 U,J	880 U	5,300	5,400
SB2-6																				
	12/31/1997	2-4	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U
SB-27																				
	1/21/1998	4-6	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U
SB-28																				
	3/24/1998	0-2	780 U	780 U	780 U	860	1,100	1,100	780 U	780 U	780 U	980	780 U	780 U	1,500	780 U	790 U	780 U	780 U	1,600
	3/24/1998	4-6	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U
SB-29																				
	3/24/1998	0-2	810 U	810 U	810 U	810 U	810 U	850	810 U	810 U	810 U	810 U	810 U	810 U	870	810 U	810 U	810 U	810 U	1,100
	3/24/1998	4-6	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U
SB-3																				
	1/14/1998	0-2	720 U	720 U	720 U	1,200	1,100	1,000	720 U	810	1,500	1,200	720 U	720 U	2,300	720 U	720 U	720 U	1,200	2,300
	1/14/1998	4-6	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U
SB-30																				
	3/24/1998	0-2	3,600 U	3,600 U	3,600 U	3,600 U	3,600 U	3,600 U	3,600 U	3,600 U	3,600 U	3,600 U	3,600 U	3600 U	3,600 U	3,600 U	3,600 U	3,600 U	3,600 U	3,600 U
	3/24/1998	4-6	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U
SB-32																				
	3/24/1998	0-2	7,500 U	7,500 U	7,500 U	7,500 U	7,500 U	7,500 U	7,500 U	7,500 U	7,500 U	7,500 U	7,500 U	7500 U	7,500 U	7,500 U	7,500 U	7,500 U	7,500 U	7,500 U
	3/24/1998	4-6	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U	870 U
SB-34																				
	3/24/1998	2-4	780 U	780 U	780 U	1,500	1,100	1,300	780 U	780 U	780 U	1,600	780 U	780 U	2,900	780 U	780 U	780 U	1,800	2,800
	3/24/1998	4-8	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U
SB-35																				
	3/24/1998	2-4	780 U	780 U	780 U	2,700	2,500	2,700	1,100	1,400	780 U	2,600	780 U	780 U	4,600	780 U	1,100	780 U	2,500	4,500
SB-36																				
	3/24/1998	0-2	1,300	2,400	3,600	9,300 J	5,400	8,000 J	2,300	3,700	780 U	8,600 J	890	780 U	15,000 J	4,700	2,300	1,800	17,000 J	17,000 J
	3/24/1998	2-4	730 U	730 U	730 U	730 U	740 U	740 U	730 U	740 U	730 U	740 U	730 U	730 U	1,400	740 U	730 U	740 U	1,900	1,500
SB-38																				
	3/23/1998	0-2	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U
	3/23/1998	2-4	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U
SB-39																				
	3/24/1998	0-2	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U
	3/24/1998	2-4	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U
SB-4																				
	1/28/1998	0-2	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	2,200	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U
	1/14/1998	-	720 U	720 U	720 U	1,300	1,500	1,400	840	990	720 U	1,500	720 U	720 U	2,000	720 U	830	720 U	740	2,800
	1/28/1998	4-6	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	1,000 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U
CLEANUP CRITERIA	Residential DEC		1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC		2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000
	GAPMC		8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	14,000	5,600	5,600	1,000	5,600	4,000	4,000

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Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
SB4-1																				
	12/23/1996	0-2	360 U	450	360 U	1,600	1,700	1,800	1,100	1,200	360 U	1,600	360 U	360 U	2,700	360 U	1,200	360 U	1,200	3,200
SB4-10																				
	1/5/1998	0-2	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	780
	1/5/1998	8-10	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U
SB4-11																				
	1/5/1998	0-2	730 U	730 U	730 U	2,900	3,300	2,700	1,800	1,700	730 U	3,000	730 U	730 U	5,000	730 U	1,700	730 U	2,000	6,800
	1/5/1998	6-8	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U
SB4-12																				
	1/20/1998	0-2	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	3,700	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
	1/20/1998	6-8	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U
SB4-13																				
	1/5/1998	0-2	690 U	690 U	690 U	1,100	1,400	1,500	1,100	860	690 U	1,400	690 U	690 U	1,600	690 U	1,100	690 U	720	2,500
SB4-14																				
	3/25/1998	0-2	3,800 U	3,800 U	3,800 U	3,800 U	3,800 U	3,800 U	3,800 U	3,800 U	3,800 U	3,800 U	3,800 U	3800 U	3,800 U	3,800 U	3,800 U	3,800 U	3,800 U	3,800 U
	3/25/1998	4-6	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U
SB4-2																				
	12/23/1996	2-4	2,800	1,800 U	2,000	3,600	1,800 U	1,800 U	1,800 U	1,800 U	1,800 U	3,700	1,800 U	1800 U	1,800 U	5,100	1,800 U	1,800 U	15,000	9,400
	12/23/1996	4-6	6,300	1,800 U	3,700	10,000	5,300	1,800 U	3,000	2,600	1,800 U	15,000	1,800 U	1800 U	1,800 U	10,000	1,800 U	1,800 U	25,000	72,000
SB4-3																				
	12/20/1996	0-2	410 U	700	410 U	2,100	2,400	2,600	1,400	1,500	410 U	2,300	460	410 U	3,800	410 U	1,600	410 U	1,200	3,600
SB4-4																				
	12/26/1996	0-2	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U
SB4-5																				
	12/24/1996	0-2	1,800 U	1,800 U	1,800 U	1,800 U	1,800 U	1,800 U	1,800 U	1,800 U	1,800 U	1,800 U	1,800 U	1800 U	1,800 U	1,800 U	1,800 U	1,800 U	2,500	3,000
SB4-6																				
	1/6/1998	0-2	670 U	670 U	670 U	1,700	2,000	2,200	1,300	1,200	670 U	2,200	670 U	670 U	3,700	670 U	1,400	670 U	1,600	4,600
	1/6/1998	6-8	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U
SB4-7																				
	1/6/1998	0-2	720 U	720 U	720 U	800	1,100	1,100	820	720 U	720 U	1,000	720 U	720 U	2,000	730 U	790	720 U	1,000	2,000
	1/6/1998	6-8	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U
SB4-8																				
	12/31/1997	4-6	1,400 U	1,400 U	1,400 U	1,400 U	1,400 U	1,400 U	1,400 U	1,400 U	1,400 U	1,400 U	1,400 U	1400 U	1,400 U	1,400 U	1,400 U	1,400 U	1,400 U	1,400 U
SB4-9																				
	1/5/1998	0-2	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	900
SB-5																				
	1/14/1998	-	770 U	770 U	770 U	2,300	2,600	2,500	1,500	1,600	1,500	2,700	770 U	770 U	2,900	770 U	1,600	770 U	770 U	3,500
	1/28/1998	2-4	4,900	7,300	14,000 J	40,000 J	24,000 J	32,000 J	18,000 J	6,800	1,900 U	31,000 J	9,400	1300 U	55,000 J	12,000	18,000 J	1,500	42,000 J	46,000 J
	1/28/1998	6-8	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U
CLEANUP CRITERIA	Residential DEC		1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC		2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000
	GAPMC		8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	14,000	5,600	5,600	1,000	5,600	4,000	4,000

TABLE 3
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Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
SB5-1																				
	12/30/1996	6-8	380 U	380 U	380 U	750	720	830	450	540	380 U	870	380 U	380 U	1,700	380 U	510	380 U	1,400	1,400
SB5-3																				
	1/6/1997	2-4	720 U	720 U	720 U	2,800	2,100	2,200	1,100	1,700	720 U	2,600	720 U	720 U	3,800	720 U	1,200	720 U	2,800	6,900
	1/6/1997	6-8	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	440
SB5-4																				
	1/6/1997	6-8	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	390 U	620 U	390 U	390 U	390 U	390 U	390 U	390 U
SB5-5																				
	1/3/1997	8-10	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	780 U	370 U	370 U	370 U	370 U	370 U	370 U
SB5-6																				
	12/30/1996	6-8	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	430	400 U	400 U	680	400 U	400 U	400 U	440	630
SB-6																				
	1/14/1998	-	700 U	700 U	700 U	1,400	1,600	1,500	1,100	1,100	700 U	1,700	700 U	700 U	2,200	700 U	1,000	700 U	700 U	2,700
	1/28/1998	2-4	650 U	1,000	650 U	3,300	3,400	4,000	2,400	1,700	650 U	3,200	1,000	650 U	4,900	650 U	2,400	650 U	1,600	4,200
	1/28/1998	6-8	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
SB6-1																				
	1/14/1997	8-10	370 U	370 U	370 U	370 U	890	480	1,700	370 U	370 U	370 U	370 U	370 U	370 U	370 U	1,100	370 U	370 U	370 U
SB6-2																				
	1/13/1997	2-4	370 U	370 U	370 U	1,400	1,500	1,500	1,300	850	370 U	1,600	370 U	370 U	1,100	370 U	980	370 U	800	2,000
SB6-3																				
	1/14/1997	2-4	5,000	12,000	15,000	39,000 J	27,000	30,000	12,000	12,000	360 U	38,000 J	4,000	360 U	59,000 J	18,000	12,000	21,000	67,000 J	80,000 J
SB6-4																				
	1/14/1997	4-6	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U	370 U
SB6-5																				
	1/13/1997	8-10	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	920 U	440 U	440 U	440 U	440 U	440 U	440 U
SB-7																				
	2/4/1998	0-2	710 U	930	1,400	4,200	3,500	5,100	1,300	2,900	710 U	4,100	710 U	710 U	8,200 J	1,200	1,400	710 U	6,600	6,700
	1/14/1998	-	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U
	2/4/1998	6-8	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U
SB7-1																				
	1/15/1997	8-10	5,700 J	600	2,600	5,600 J	4,300 J	3,000	2,600	1,300	370 U	4,200 J	710	370 U	8,900 J	4,300 J	1,800	370 U	17,000 J	16,000 J
SB-8																				
	1/27/1998	2-4	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U
SB8-10																				
	1/7/1998	4-6	610 U	1,400	1,100	8,400 J	5,500	7,700 J	3,300	2,100	610 U	7,400 J	1,400	610 U	10,000 J	710	3,200	610 U	6,400 J	12,000 J
SB8-12																				
	1/6/1998	2-4	640 U	650 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	710 U	880	640 U	640 U	640 U	640 U	1,100
	1/6/1998	8-10	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
CLEANUP CRITERIA	Residential DEC		1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC		2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000
	GAPMC		8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	14,000	5,600	5,600	1,000	5,600	4,000	4,000

TABLE 3
SVOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
SB8-15																				
	1/7/1998	4-6	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	1100	660 U	660 U	660 U	660 U	660 U	660 U
	1/7/1998	8-11.5	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U
SB8-16																				
	12/26/1997	2-4	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U
	12/26/1997	8-10	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U
SB8-17																				
	12/29/1997	4-6	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U
	12/29/1997	8-10	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U
SB8-18																				
	1/13/1998	0-2	640 U	640 U	640 U	830	790	790	640 U	640 U	640 U	910	640 U	640 U	1,300	640 U	640 U	640 U	640 U	1,600
SB8-19																				
	1/7/1998	2-4	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	980	700 U	700 U	700 U	700 U	700 U	700 U
	1/7/1998	6-8	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U
SB8-20																				
	1/21/1998	2-4	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U
SB8-21																				
	12/29/1997	4-6	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U
	12/29/1997	8-10	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U
SB8-22																				
	1/7/1998	2-4	690 U	690 U	690 U	990	770	1,000	690 U	690 U	690 U	1,000	690 U	690 U	1,600	690 U	690 U	690 U	730	1,500
	1/7/1998	8-10	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U
SB8-24																				
	1/13/1998	0-2	680 U	1,100	2,500	9,000 J	5,000	5,400	2,300	2,500	1,500	7,500 J	1,000	670 U	13,000 J	2,100	2,600	680 U	13,000 J	15,000 J
SB8-25																				
	1/20/1998	0-2	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U
SB8-26																				
	1/20/1998	0-2	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U
SB8-27																				
	1/26/1998	1.6-4.0	670 U	670 U	670 U	2,800	2,000 J	1,900 J	1,200 J	1,600 J	670 U	2,900	670 U,J	670 U	5,100	680 U	1,200 J	670 U	3,600	6,800 J
SB8-28																				
	3/25/1998	0-2	850 U	850 U	850 U	850 U	850 U	850 U	850 U	850 U	850 U	850 U	850 U	850 U	940	850 U	850 U	850 U	850 U	1,100
	3/25/1998	4-6	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U
	3/25/1998	8-10	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U
SB8-29																				
	3/25/1998	2-4	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U
	3/25/1998	6-8	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U
SB-9																				
	1/28/1998	4-8	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	1,200 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U
CLEANUP CRITERIA	Residential DEC		1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC		2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000
	GAPMC		8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	14,000	5,600	5,600	1,000	5,600	4,000	4,000

TABLE 3
SVOCs RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
SB9-1																				
	1/15/1997	0-2	400 U	400 U	400 U	1,200	970	1,300	480	600	400 U	1,200	400 U	400 U	1,800	400 U	540	400 U	600	2,300
SB9-10																				
	2/2/1998	2-4	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U
SB9-11																				
	2/2/1998	2-4	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U
	2/2/1998	4-6	680 U	680 U	680 U	930	790	800	680 U	680 U	680 U	950	680 U	680 U	2,600	760	680 U	680 U	3,100	1,700
	2/2/1998	6-8	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	1,100	720 U	720 U	720 U	710 U	850
SB9-12																				
	2/2/1998	0-2	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	1,200	710 U	710 U	710 U	770	910
	2/2/1998	4-6	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U
SB9-13																				
	2/2/1998	0-2	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U
	2/2/1998	2-4	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U
SB9-14																				
	2/2/1998	2-4	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U
	2/2/1998	6-8	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	870 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U
SB9-15																				
	2/4/1998	0-4	980	640 U	3,600	12,000 J	8,300 J	13,000 J	4,700	3,000	640 U	9,100 J	1,200	640 U	20,000 J	1,700	5,800	640 U	12,000 J	15,000 J
	2/4/1998	5.7-8	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U
SB9-16																				
	2/2/1998	2-4	740 U	740 U	740 U	740 U	740 U	740 U	740 U	740 U	740 U	740 U	740 U	740 U	740 U	740 U	740 U	740 U	740 U	740 U
	2/2/1998	6-8	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	970 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U
SB9-18																				
	3/26/1998	0-4	800 U	1,900	930	9,100 J	5,600	8,200 J	3,600	2,700	800 U	8,800 J	1,200	800 U	7,300	800 U	2,900	1,700	800 U	12,000 J
SB9-3																				
	1/14/1997	0-2	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	600	410 U	410 U	410 U	410 U	530
SB9-4																				
	1/14/1997	2-4	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U
SB9-5																				
	1/15/1997	2-4	400 U	400 U	400 U	920	720	860	450	440	400 U	1,200	400 U	400 U	1,200	400 U	430	400 U	720	1,600
SB9-6																				
	2/2/1998	0-2	650 U	650 U	1,500	5,000	3,900	5,600	3,600	2,100	650 U	3,800	1,400	650 U	8,000 J	650 U	3,600	650 U	6,200	6,900 J
	2/2/1998	6-8	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U
SB9-7																				
	2/2/1998	2-4	680 U	1,100	2,500	5,900	3,700	4,100	2,100	1,900	680 U	5,200	950	680 U	10,000 J	2,300	2,100	680 U	12,000 J	8,700 J
	2/2/1998	4-6	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U
	2/2/1998	6-8.0	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U

CLEANUP CRITERIA	Residential DEC	1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC	2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000
	GAPMC	8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	14,000	5,600	5,600	1,000	5,600	4,000	4,000

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Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
SB9-8																				
	2/2/1998	2-4	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
SB9-9																				
	2/2/1998	0-2	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
	2/2/1998	2-4	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U	620 U
	2/2/1998	6-8	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U
SBA-1																				
	1/15/1997	0-2	380 U	380 U	380 U	690	500	550	380 U	380 U	380 U	760	380 U	380 U	740	380 U	380 U	380 U	510	1,200
SBA-10																				
	1/30/1998	2-4	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	1,800	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
	1/30/1998	6-8	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	900 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U
SBA-11																				
	1/30/1998	2-4	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U
	1/30/1998	4-6	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	1,700	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
	1/30/1998	6-8	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	1,500	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U
SBA-2																				
	1/13/1997	2-4	400 U	400 U	400 U	400 U	400 U	420	400 U	400 U	400 U	450	400 U	400 U	530	400 U	400 U	400 U	400 U	420
SBA-3																				
	1/10/1997	2-4	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
SBA-4																				
	1/27/1998	0-1.7	1,600 U	1,600 U	1,600 U	5,000	4,800	4,500	3,200	3,200	1,600 U	5,600	1,600 U	1600 U	10,000	1,600 U	3,100	1,600 U	5,300	6,800
SBA-5																				
	1/20/1998	2-4	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	1,600	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U
	1/20/1998	8-10	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U
SBA-6																				
	2/3/1998	4-6	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
SBA-7																				
	2/3/1998	4-6.8	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	780	670 U	670 U	670 U	670 U	670 U
SBA-8																				
	2/3/1998	2-4	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	1,100 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U
	2/3/1998	6-8	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U	770 U
SBA-9																				
	2/4/1998	1.5-4	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	970	660 U	670 U	670 U	860	660 U
	2/4/1998	6-8	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U
SBD-1																				
	2/3/1998	3-3.5	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U
SBD-2																				
	2/3/1998	2-2.5	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U	750 U
CLEANUP CRITERIA	Residential DEC		1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC		2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000
	GAPMC		8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	14,000	5,600	5,600	1,000	5,600	4,000	4,000

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Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
SBMW-14-1																				
	12/30/1997	6-8	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U
SBMW-16-1																				
	1/14/1998	-	740 U	740 U	740 U	1,200	1,400	1,500	740 U	910	740 U	1,400	740 U	740 U	1,600	740 U	740	740 U	740 U	2,300
SBMW-20-1																				
	1/6/1998	2-4	2,000	1,500 U	4,700	21,000 J	12,000	14,000	7,400	8,800	1,500 U	16,000 J	3,400	1500 U	26,000 J	2,000	8,300	1,500 U	20,000 J	39,000 J
SBSC-4																				
	2/3/1998	8-10	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U
SBSC-5																				
	2/4/1998	6-8	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U	760 U
SBSC-6																				
	5/11/2005	2-4	24 U	24 U	24 U	8 U	7 U	7 U	10 U	9 U	16 U	8 U	12 U	24 U	103	24 U	7 U	13 U	22 U	75
	5/11/2005	4-6	24 U	24 U	77 J	245 J	237 J	203 J	152 J	186 J	15 U	261 J	60 J	24 U	540	24 U	134 J	12 U	248 J	415
SP1																				
	10/27/1994	-	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
SP2																				
	10/27/1994	-	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
SS-7																				
	12/18/1997	-	670 U	670 U	670 U	1,000	960	1,100	670 U	670 U	670 U	1,100	670 U	670 U	1,500	670 U	670 U	670 U	780	2,100
SS-8																				
	12/18/1997	-	680 U	680 U	680 U	1,700	1,900	1,700	1,200	1,200	680 U	1,900	680 U	680 U	2,300	680 U	1,100	680 U	830	3,100

Notes:
Concentrations are reported in ug/Kg (ppb).
U = compound was not detected at the indicated concentration.
J = estimated value.
na = not analyzed.
- = data not collected/not available.
= concentration exceeds residential DEC.
= concentration exceeds residential DEC and industrial/commercial DEC.
The polluted fill exemption in the CT RSRs is being applied to SVOC PMC exceedances at the Site, therefore exceedances of GA PMC are not highlighted in this table.

CLEANUP CRITERIA	Residential DEC	1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC	2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000
	GAPMC	8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	14,000	5,600	5,600	1,000	5,600	4,000	4,000

TABLE 4
SVOCs RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
B08	10/20/1995	12-14	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1 U	na	na
BB-01	5/11/2005	14-16	22 U	22 U	22 U	7 U	7 U	6 U	9 U	8 U	14 U	7 U	11 U	22 U	15 U	22 U	7 U	12 U	20 U	10U
BB-02	5/12/2005	10-12	22 U	22 U	22 U	7 U	7 U	6 U	9 U	8 U	14 U	7 U	11 U	22 U	15 U	22 U	7 U	12 U	20 U	10U
BB-03	5/11/2005	14-16	21 U	21 U	21 U	7 U	6 U	6 U	8 U	8 U	14 U	7 U	11 U	21 U	15 U	21 U	6 U	11 U	19 U	10U
BB-04	5/11/2005	14-16	23 U	80 J	76 J	273 J	261 J	232 J	161 J	200 J	15 U	327	12 U	23 U	526	23 U	126 J	12 U	274 J	602
BB-05	5/11/2005	10-12	23 U	23 U	23 U	7 U	7 U	6 U	9 U	8 U	15 U	7 U	12 U	23 U	16 U	23 U	7 U	12 U	21 U	10U
BB-06	5/11/2005	10-12	24 U	24 U	24 U	8 U	7 U	6 U	9 U	9 U	15 U	8 U	12 U	24 U	16 U	24 U	7 U	13 U	22 U	11U
BB-07	5/11/2005	8-10	24 U	24 U	24 U	8 U	7 U	7 U	10 U	9 U	16 U	8 U	13 U	24 U	17 U	24 U	7 U	13 U	22 U	11U
BB-08	5/11/2005	12-14	23 U	23 U	23 U	8 U	7 U	6 U	9 U	9 U	15 U	7 U	12 U	23 U	16 U	23 U	7 U	12 U	21 U	10U
BB-09	5/11/2005	10-12	23 U	23 U	23 U	8 U	7 U	6 U	9 U	9 U	15 U	7 U	12 U	23 U	16 U	23 U	7 U	12 U	21 U	10U
BB-10	5/11/2005	8-10	24 U	24 U	24 U	8 U	7 U	6 U	9 U	9 U	15 U	7 U	12 U	24 U	16 U	24 U	7 U	12 U	21 U	11U
BB-11	5/11/2005	14-16	25 U	25 U	25 U	8 U	8 U	7 U	10 U	9 U	16 U	8 U	13 U	25 U	17 U	25 U	7 U	13 U	22 U	11U
BB-12	5/12/2005	12-14	22 U	22 U	22 U	7 U	7 U	6 U	9 U	8 U	14 U	7 U	12 U	22 U	106 J	22 U	7 U	12 U	64 J	108J
BB-13	5/12/2005	10-12	22 U	22 U	22 U	7 U	7 U	6 U	9 U	8 U	14 U	7 U	11 U	22 U	15 U	22 U	6 U	11 U	20 U	10U
BB-14	5/12/2005	10-12	24 U	24 U	24 U	8 U	7 U	6 U	9 U	9 U	15 U	8 U	12 U	24 U	16 U	24 U	7 U	13 U	22 U	11U
BB-15	5/12/2005	10-12	23 U	23 U	23 U	7 U	7 U	6 U	9 U	8 U	15 U	7 U	12 U	23 U	16 U	23 U	7 U	12 U	21 U	10U
BB-16	5/11/2005	12-14	26 U	26 U	26 U	8 U	8 U	7 U	10 U	10 U	17 U	8 U	13 U	26 U	18 U	26 U	8 U	14 U	23 U	11U
BB-17	5/11/2005	12-14	22 U	22 U	22 U	7 U	7 U	6 U	9 U	8 U	14 U	7 U	12 U	22 U	15 U	22 U	7 U	12 U	20 U	10U
BB-18	5/12/2005	12-14	24 U	24 U	24 U	118 J	128 J	6 J	73 J	9 U	15 U	154 J	12 U	24 U	226 J	24 U	64 J	13 U	104 J	209J
CLEANUP CRITERIA		Residential DEC	1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
		Industrial/ Commercial DEC	2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000

TABLE 4
SVOCs RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
BB-20																				
	5/12/2005	10-12	23 U	23 U	23 U	7 U	7 U	6 U	9 U	8 U	15 U	7 U	12 U	23 U	15 U	23 U	7 U	12 U	20 U	10U
MW-27D																				
	1/13/1998	10-12	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	1,300	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680U
MW-32																				
	3/23/1998	8-10	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	810 U	1,100	810 U	810 U	810 U	810 U	1,000
SB1-1																				
	12/17/1996	12-14	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380 U	380U
SB1-12																				
	3/24/1998	6-8	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790 U	790U
SB1-2																				
	12/18/1996	12-14	420 U	420 U	420 U	420 U	420 U	420 U	420 U	420 U	420 U	420 U	420 U	420 U	420 U	420 U	420 U	420 U	420 U	420U
SB-13																				
	1/28/1998	8-12	5,600 U	5,600 U	5,600 U	5,600 U,J	5,600 U,J	5,600 U,J	5,600 U,J	5,600 U,J	5,600 U,J	5,600 U,J	5,600 U,J	5,600 U	7,100	5,600 U	5,600 U,J	5,600 U	7,700	14,000J
	1/28/1998	14-16	650 U	650 U	650 U	650 U	650 U,J	650 U,J	650 U,J	650 U,J	1,600	650 U	650 U,J	650 U	650 U	650 U	650 U,J	650 U	650 U	650U
SB1-3																				
	12/18/1996	10-11.9	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	600
SB1-4																				
	12/19/1996	10-12.3	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830U
SB-15																				
	1/27/1998	8-11.0	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780U
SB1-5																				
	12/19/1996	12-14	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410U
SB1-6																				
	12/22/1997	12-14	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830U
SB-17																				
	1/27/1998	12-14	1,400 U	5,500	10,000	34,000 J	23,000 J	24,000 J	14,000 J	12,000 J	1,400 U,J	29,000 J	5,400 J	1,400 U	40,000 J	4,100	15,000 J	1,400 U	26,000 J	53,000J
	1/27/1998	14-16	630 U	630 U	630 U	630 U	630 U	630 U	630 U	630 U	630 U	630 U	630 U	630 U	630 U	630 U	630 U	630 U	630 U	630U
SB1-7																				
	12/22/1997	10-12	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710U
SB-18																				
	10/30/1997	12-14	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650U
SB1-8																				
	12/22/1997	12-14	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700U
SB-2																				
	1/23/1998	12-14	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800U
SB-20																				
	1/26/1998	8-12	670 U	670 U	670 U	1,100	900	850	670 U	740	670 U	1,100	670 U	670 U	2,000	670 U	670 U	670 U	730	1,700
CLEANUP CRITERIA		Residential DEC	1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
		Industrial/ Commercial DEC	2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000

TABLE 4
SVOCs RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
SB-21	1/26/1998	12-14	660 U	660 U	660 U	660 U	660 U,J	660 U,J	660 U,J	660 U,J	660 U	660 U	660 U,J	660 U	660 U	660 U	660 U,J	660 U	660 U	660U
SB2-3	12/30/1997	8-10	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840 U	840U
SB2-4	12/30/1997	8-10	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	880 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680 U	680U
SB2-5	12/31/1997	8-10	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690 U	690U
SB-26	1/23/1998	8-10	740 U	740 U	740 U	740 U	740 U,J	740 U,J	740 U,J	740 U,J	740 U	740 U	740 U,J	740 U	740 U	740 U	740 U,J	740 U	740 U	740U
SB2-6	12/31/1997	8-10	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700U
SB-27	1/21/1998	8-12	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650U
SB-28	3/24/1998	8-10	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800U
SB-29	3/24/1998	8-10	900 U	900 U	900 U	900 U	900 U	900 U	900 U	900 U	900 U	900 U	900 U	900 U	900 U	900 U	900 U	900 U	900 U	900U
SB-34	3/24/1998	8-10	950 U	950 U	950 U	950 U	950 U	950 U	950 U	950 U	950 U	950 U	950 U	950 U	950 U	950 U	950 U	950 U	950 U	950U
SB-35	3/24/1998	6-8	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100 U	1,100U
SB-4	1/28/1998	10-12	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	1,500	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640U
SB4-1	12/23/1996	12-14	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360 U	360U
SB4-13	1/5/1998	10-12	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660U
SB4-3	12/20/1996	12-13.9	430 U	430 U	430 U	830	640	660	430 U	590	430 U	830	430 U	430 U	1,900	430 U	430 U	430 U	1,300	1,900
SB4-4	12/26/1996	12-14	430 U	470	610	2,800	2,200	2,700	1,200	1,000	430 U	2,700	430	430 U	6,300 J	510	1,300	430 U	3,500	5,900J
SB4-5	12/24/1996	10-12	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400 U	400U
SB4-6	1/6/1998	12-15.5	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660U
SB4-7	1/6/1998	12-16	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640U
CLEANUP CRITERIA		Residential DEC	1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
		Industrial/ Commercial DEC	2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000

TABLE 4
SVOCs RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
SB4-8	12/31/1997	12-14	680 U	680 U	680 U	2,000	1,600	1,600	1,000	680 U	680 U	1,700	680 U	680 U	2,600	680 U	1,000	680 U	840	3,500
SB4-9	1/5/1998	10-12	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780 U	780U
SB5-2	12/30/1996	10-12	540 U	540 U	540 U	540 U	540 U	540 U	540 U	540 U	540 U	540 U	540 U	540 U	540 U	540 U	540 U	540 U	540 U	540U
SB-8	1/27/1998	12-12.5	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640 U	640U
SB-9	1/28/1998	10-12	740 U	740 U	740 U	730 U	730 U	730 U	730 U	730 U	1,300 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730U
SB9-10	2/2/1998	6-8	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660U
SB9-12	2/2/1998	6-8	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660U
SB9-2	1/15/1997	6-8	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410U
SB9-8	2/2/1998	6-8	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650 U	650U
SBA-4	1/27/1998	12-13	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700U
SBA-6	2/3/1998	8-10	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710U
SBA-7	2/3/1998	8-10.1	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710U
SBSC-4	2/3/1998	13.6-16	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710 U	710U
SBSC-5	2/4/1998	12-16	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	670U
SBSC-6	5/11/2005	12-14	890 U	890 U	890 U	290 U	270 U	240 U	350 U	330 U	570 U	280 U	460 U	890 U	610 U	890 U	260 U	470 U	800 U	390U
SBSC-7	5/11/2005	14-16	28 U	90 J	66 J	288 J	276 J	207 J	136 J	198 J	18 U	370	98 J	28 U	575	28 U	127 J	15 U	335 J	603

Notes:
Concentrations are reported in ug/Kg (ppb).
U = compound was not detected at the indicated concentration.
J = estimated value.
na = not analyzed.
= concentration exceeds residential DEC.
= concentration exceeds residential DEC and industrial/commercial DEC.

CLEANUP CRITERIA	Residential DEC	1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	44,000	84,000	1,000	1,000,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000
	Industrial/ Commercial DEC	2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	410,000	780,000	1,000	2,500,000	2,500,000	2,500,000	8,000	2,500,000	2,500,000	2,500,000

TABLE 5
TPH RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	TPH
B01			
	10/20/1995	14-16	1 U
B02			
	10/20/1995	12-14	1 U
B03			
	10/20/1995	4-6	1 U
B04			
	10/20/1995	10-12	1 U
B05			
	10/20/1995	8-10	1 U
B06			
	10/20/1995	14-16	1 U
B07			
	10/20/1995	4-6	1 U
B09			
	10/20/1995	8-10	1 U
B10			
	10/21/1995	4-6	1 U
B11			
	10/21/1995	4-6	1 U
B12			
	10/21/1995	10-12	1 U
GP-1			
	10/29/1996	6-8	47.8
GP-2			
	10/29/1996	2-4	38.5 U
GP-4			
	10/29/1996	6-8	41.5 U
GP-7			
	10/30/1996	2-4	58.8
GP-9			
	10/30/1996	4-6	37.8 U
HTE-12			
	8/31/1993	4-6	25 U
HTE-23			
	8/31/1993	5-7	25 U
HTE-26			
	8/31/1993	10-12	25 U

CLEANUP CRITERIA	Residential DEC	500
	Industrial/Commercial DEC	2,500
	GAPMC	500

TABLE 5
TPH RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	TPH
HTE-27			
	8/31/1993	4-6	25 U
MW-10			
	1/3/1997	2-4	156
MW-14			
	12/31/1997	2-4	34.2 U
MW-17D			
	1/5/1998	4-5.75	43.5 U
MW-18D			
	1/14/1998	4-6	37.6 U
	1/14/1998	8-10	41.8 U
MW-20			
	1/20/1998	0-2	92.4
	1/20/1998	4-6	126
MW-27D			
	1/13/1998	6-8	58.1 U
MW-28			
	12/31/1997	6-8	127
MW-32			
	3/23/1998	0-2	118
	3/23/1998	6-8	60.5 U
MW-33			
	3/23/1998	6-8	51.4 U
PIPE-1			
	5/12/2005	-	144
SB-10			
	1/30/1998	2-4	40.4 U
SB10-1			
	1/3/1997	6-7.5	33.3 U
SB10-2			
	1/6/1997	2-4	36.8 U
SB10-3			
	1/6/1997	0-2	172
SB10-4			
	1/2/1997	4-6	144
SB10-5			
	1/6/1997	2-4	531
SB10-6			
	1/3/1997	0-2	167

CLEANUP CRITERIA	Residential DEC	500
	Industrial/Commercial DEC	2,500
	GAPMC	500

TABLE 5
TPH RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	TPH
SB10-7			
	1/2/1997	2-4	583
SB10-8			
	1/3/1997	4-5	36.2 U
SB-11			
	1/30/1998	0-2	61.2
	1/30/1998	4-6	347
SB1-1			
	12/17/1996	4-6	149
SB1-10			
	12/29/1997	4-6	195
SB1-11			
	12/30/1997	4-6	69.7
SB1-12			
	3/24/1998	4-6	131
SB-12			
	10/30/1997	0-2	1,200
SB1-2			
	12/18/1996	4-6	2,690
SB-12-0			
	12/18/2004	0-2	71.4
	12/18/2004	2-4	36 U
SB-12-1			
	12/18/2004	0-2	159
	12/18/2004	2-4	45.6
SB-12-2			
	12/18/2004	0-2	35 U
	12/18/2004	2-4	37 U
SB-12-3			
	12/18/2004	0-2	37 U
	12/18/2004	2-4	36 U
SB-13			
	1/28/1998	2-4	59
SB1-3			
	12/18/1996	4-6	262
SB1-4			
	12/19/1996	4-6	143
SB-15			
	1/27/1998	2-4	167
	1/27/1998	4-6	113
CLEANUP CRITERIA	Residential DEC		500
	Industrial/Commercial DEC		2,500
	GAPMC		500

TABLE 5
TPH RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	TPH
SB1-5			
	12/19/1996	4-6	45.4
SB-16			
	1/27/1998	2-4	685
	1/27/1998	8-10	192
SB1-6			
	12/22/1997	4-6	118
SB-17			
	1/27/1998	2-4	40.2 U
SB1-7			
	12/22/1997	4-6	37.9 U
SB-18			
	10/30/1997	4-6	138
	10/30/1997	10-12	58.7
SB1-8			
	12/22/1997	4-6	1,840
SB1-9			
	12/29/1997	4-6	394
SB-2			
	1/23/1998	6-8	40.3 U
SB-20			
	1/26/1998	6-8	51
SB-21			
	1/26/1998	6-8	50.5 U
SB2-1			
	12/20/1996	0-2	2,360
	12/20/1996	4-6	1,050
SB-22			
	1/26/1998	2-4	41.1 U
	1/26/1998	6-8	43.2 U
SB2-2			
	12/20/1996	2-4	201
	12/20/1996	4-6	127
SB2-3			
	12/30/1997	2-4	55.4
SB2-4			
	12/30/1997	2-4	35.2 U
SB-25			
	1/21/1998	0-2	1,970
	1/21/1998	4-7.5	39.5 U
CLEANUP CRITERIA	Residential DEC		500
	Industrial/Commercial DEC		2,500
	GAPMC		500

TABLE 5
TPH RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	TPH
SB2-5			
	12/31/1997	2-4	49.6 U
SB-26			
	1/23/1998	4-6	60.5 U
SB2-6			
	12/31/1997	2-4	378
SB-27			
	1/21/1998	4-6	1,860
SB-3			
	1/14/1998	0-2	53.2
	1/14/1998	4-6	43.8 U
SB-30			
	3/24/1998	6-8	38 U
SB-31			
	3/24/1998	4-6	56.5 U
	3/24/1998	6-8	618
SB-32			
	3/24/1998	4-6	91.8
	3/24/1998	6-8	55.4 U
SB-33			
	3/24/1998	2-4	208
	3/24/1998	6-8	55.7 U
SB-34			
	3/24/1998	2-4	57.1 U
	3/24/1998	4-8	526
SB-35			
	3/24/1998	2-4	56.4 U
SB-36			
	3/24/1998	0-2	120
	3/24/1998	2-4	52.6 U
SB-37			
	3/24/1998	0-2	272
	3/24/1998	2-4	55.8 U
	3/24/1998	4-6	55 U
SB-39			
	3/24/1998	0-2	63.8
	3/24/1998	2-4	359
SB-4			
	1/28/1998	0-2	36.7 U
	1/28/1998	4-6	48 U

CLEANUP CRITERIA	Residential DEC	500
	Industrial/Commercial DEC	2,500
	GAPMC	500

TABLE 5
TPH RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	TPH
SB4-1			
	12/23/1996	0-2	223
SB4-10			
	1/5/1998	0-2	222
	1/5/1998	8-10	47.7
SB4-11			
	1/5/1998	0-2	423
	1/5/1998	6-8	241
SB4-12			
	1/20/1998	0-2	42.3 U
	1/20/1998	6-8	43.5 U
SB4-13			
	1/5/1998	0-2	302
	1/5/1998	4-6	51.2 U
SB4-14			
	3/25/1998	0-2	169
	3/25/1998	2-4	43.6 U
	3/25/1998	6-8	38.4 U
SB4-2			
	12/23/1996	0-2	155
	12/23/1996	2-4	7,840
	12/23/1996	4-6	10,100
	12/23/1996	6-8	141
SB4-3			
	12/20/1996	0-2	95.3
SB4-4			
	12/26/1996	0-2	348
SB4-5			
	12/24/1996	0-2	10,000
SB4-6			
	1/6/1998	0-2	43.6 U
	1/6/1998	6-8	37 U
SB4-7			
	1/6/1998	0-2	48.4 U
	1/6/1998	2-4	5,160
	1/6/1998	6-8	38.3 U
SB4-8			
	12/31/1997	4-6	188
SB4-9			
	1/5/1998	0-2	99.9

CLEANUP CRITERIA	Residential DEC	500
	Industrial/Commercial DEC	2,500
	GAPMC	500

TABLE 5
TPH RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	TPH
SB-5			
	1/28/1998	2-4	369
	1/28/1998	6-8	42.4 U
SB5-1			
	12/30/1996	6-8	38 U
SB5-3			
	1/6/1997	2-4	2,960
SB5-4			
	1/6/1997	6-8	39 U
SB5-5			
	1/3/1997	8-10	37.2 U
SB5-6			
	12/30/1996	2-4	1,240
	12/30/1996	6-8	40 U
SB-6			
	1/28/1998	2-4	110
	1/28/1998	6-8	41.7 U
SB6-1			
	1/14/1997	4-6	131
	1/14/1997	8-10	79.5
SB6-2			
	1/13/1997	2-4	124
SB6-3			
	1/14/1997	2-4	225
	1/14/1997	6-8	36.2 U
SB6-4			
	1/14/1997	4-6	186 U
	1/14/1997	6-8	38.2 U
SB6-5			
	1/13/1997	2-4	35 U
	1/13/1997	8-10	43.6 U
SB-7			
	2/4/1998	0-2	136
	2/4/1998	6-8	40.8 U
SB7-1			
	1/15/1997	4-6	619
	1/15/1997	6-8	506
	1/15/1997	8-10	1,700
SB7-2			
	1/15/1997	6-8	437

CLEANUP CRITERIA	Residential DEC	500
	Industrial/Commercial DEC	2,500
	GAPMC	500

TABLE 5
TPH RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	TPH
SB-8			
	1/27/1998	2-4	43.9 U
SB8-12			
	1/6/1998	8-10	47 U
SB8-22			
	1/7/1998	6-8	35.8 U
SB8-30			
	3/25/1998	2-4	35,000
	3/25/1998	4-8	19,300
	3/25/1998	8-12	2,030
SB-9			
	1/28/1998	2-4	330
	1/28/1998	4-8	346
SBA-1			
	1/15/1997	0-2	37.7 U
	1/15/1997	2-3	36.9 U
SBA-10			
	1/30/1998	2-4	42.2 U
	1/30/1998	6-8	37 U
SBA-11			
	1/30/1998	2-4	42.8 U
	1/30/1998	6-8	44.5 U
SBA-2			
	1/13/1997	2-4	48.6 U
	1/13/1997	4-6	54.8 U
SBA-3			
	1/10/1997	2-4	38.8 U
SBA-4			
	1/27/1998	0-1.7	236
	1/27/1998	4-7.5	44.9 U
SBA-5			
	1/20/1998	2-4	40.6 U
	1/20/1998	8-10	40.9 U
SBA-7			
	2/3/1998	2-4	111
	2/3/1998	4-6.8	66.6
SBA-8			
	2/3/1998	2-4	53.3 U
	2/3/1998	6-8	45 U

CLEANUP CRITERIA	Residential DEC	500
	Industrial/Commercial DEC	2,500
	GAPMC	500

TABLE 5
TPH RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	TPH
SBA-9			
	2/4/1998	1.5-4	256
	2/4/1998	6-8	43.6 U
SBD-1			
	2/3/1998	3-3.5	53.2 U
SBD-2			
	2/3/1998	2-2.5	46.4 U
SBSC-1			
	1/9/1997	4-6	49 U
SBSC-3			
	1/9/1997	8-10	54.9 U
SBSC-4			
	2/3/1998	8-10	45.7 U
SBSC-5			
	2/4/1998	6-8	48.9 U
SS-1			
	10/8/1996	-	39.9 U
SS-13			
	10/8/1996	-	83.8
SS-19			
	10/8/1996	-	40.2 U
SS-27			
	10/8/1996	-	39 U
SS-5			
	12/18/1997	0.13-0.38	175
SS-6			
	12/18/1997	0.13-0.38	204
SS-9			
	10/8/1996	-	38.4 U

Notes:
Concentrations are reported in mg/Kg (ppm).
TPH = Total Petroleum Hydrocarbons.
U = compound was not detected at the indicated concentration.
- =data not collected/not available.
= concentration exceeds residential DEC and GAPMC.
= concentration exceeds industrial/commercial DEC.

CLEANUP CRITERIA	Residential DEC	500
	Industrial/Commercial DEC	2,500
	GAPMC	500

TABLE 6
TPH RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	TPH
B08			
	10/20/1995	12-14	1 U
HTE-11			
	8/31/1993	8-10	25 U
MW-17D			
	1/5/1998	10-12	5,170
MW-27D			
	1/13/1998	10-12	45.7 U
MW-28			
	12/31/1997	12-14	38.3 U
MW-32			
	3/23/1998	12-14	51.2 U
	3/23/1998	14-16	55.3 U
MW-33			
	3/23/1998	8-10	98.2
	3/23/1998	10-12	106
	3/23/1998	12-14	55.4 U
SB1-1			
	12/17/1996	6-8	152
	12/17/1996	12-14	38.5 U
SB1-10			
	12/29/1997	14-16	55.7 U
SB1-11			
	12/30/1997	14-16	57.1 U
SB1-12			
	3/24/1998	6-8	54 U
	3/24/1998	8-10	54.4 U
SB1-2			
	12/18/1996	12-14	42 U
SB-13			
	1/28/1998	8-12	14,800
	1/28/1998	12-14	48.4 U
	1/28/1998	14-16	42.2 U
SB1-3			
	12/18/1996	10-11.9	1,600
SB1-4			
	12/19/1996	8-10	549
	12/19/1996	10-12.3	159
SB-15			
	1/27/1998	8-11.0	57 U

CLEANUP CRITERIA	Residential DEC	500
	Industrial/Commercial DEC	2,500

TABLE 6
TPH RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	TPH
SB1-5			
	12/19/1996	12-14	40.4 U
SB1-6			
	12/22/1997	12-14	47.9 U
SB-17			
	1/27/1998	12-14	1,230
SB1-7			
	12/22/1997	10-12	240
SB1-8			
	12/22/1997	12-14	49
SB1-9			
	12/29/1997	8-12	65.8 U
SB-2			
	1/23/1998	12-14	47.1 U
SB-21			
	1/26/1998	12-14	42 U
SB2-3			
	12/30/1997	8-10	71.5 U
SB2-4			
	12/30/1997	8-10	36.3 U
SB2-5			
	12/31/1997	8-10	58
SB-26			
	1/23/1998	8-10	43.9 U
SB2-6			
	12/31/1997	8-10	53.8 U
SB-27			
	1/21/1998	8-12	40.6 U
SB-3			
	10/11/1996	10-12	51 U
SB-30			
	3/24/1998	10-12	46.8 U
	3/24/1998	12-16	39.7 U
SB-31			
	3/24/1998	10-12	56.5 U
	3/24/1998	10-10	158
	3/24/1998	12-14	42.7
SB-32			
	3/24/1998	8-11.75	48 U

CLEANUP CRITERIA	Residential DEC	500
	Industrial/Commercial DEC	2,500

TABLE 6
TPH RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	TPH
SB-33			
	3/24/1998	8-10	57.1 U
SB-34			
	3/24/1998	8-10	135
	3/24/1998	10-12	60 U
SB-35			
	3/24/1998	4-6	57.5 U
	3/24/1998	6-8	1,240
SB-4			
	1/28/1998	10-12	40.4 U
SB-41			
	3/25/1998	2-4	56
	3/25/1998	4-6	64
	3/25/1998	6-8	39.1 U
SB4-1			
	12/23/1996	12-14	35.5 U
SB4-13			
	1/5/1998	10-12	41.3 U
SB4-3			
	12/20/1996	12-13.9	1,160
SB4-4			
	12/26/1996	12-14	2,240
SB4-5			
	12/24/1996	10-12	40.7 U
SB4-6			
	1/6/1998	12-15.5	48.9 U
SB4-7			
	1/6/1998	12-16	37.3 U
SB4-8			
	12/31/1997	12-14	15,900
SB4-9			
	1/5/1998	10-12	82.9
SB5-1			
	12/30/1996	8-10	173
SB5-2			
	12/30/1996	8-10	223
	12/30/1996	10-12	1,380
SB6-1			
	1/14/1997	10-12	435
	1/14/1997	14-16	38.4 U
CLEANUP CRITERIA	Residential DEC		500
	Industrial/Commercial DEC		2,500

TABLE 6
TPH RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	TPH
SB6-2			
	1/13/1997	10-12	37.8 U
SB7-1			
	1/15/1997	10-12	37.8 U
	1/15/1997	12-14	123
SB-8			
	1/27/1998	10.9-12	55.3 U
	1/27/1998	12-12.5	55.8 U
SB8-1			
	12/31/1996	14-16	35.9 U
SB8-12			
	1/6/1998	12-14	47.6 U
SB8-22			
	1/7/1998	12-14	39.5 U
SB8-29			
	3/25/1998	14-16	513
SB8-31			
	3/26/1998	14-16	59.2
SB-9			
	1/28/1998	10-12	45 U
SBA-4			
	1/27/1998	12-13	41.9 U
SBA-7			
	2/3/1998	8-10.1	45.4 U
SBSC-2			
	1/9/1997	10-12	38.8 U
SBSC-4			
	2/3/1998	13.6-16	73.2
SBSC-5			
	2/4/1998	12-16	49.4 U

Notes:
Concentrations are reported in mg/Kg (ppm).
TPH = Total Petroleum Hydrocarbons.
U = compound was not detected at the indicated concentration.
= concentration exceeds residential DEC.
= concentration exceeds residential DEC and industrial/commercial DEC.

CLEANUP CRITERIA	Residential DEC	500
	Industrial/Commercial DEC	2,500

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
BB-01	5/11/2005	2-4	4.6	242	12.3	5.8	328	872	134	1.0	175	0.86 B	38.7	806
BB-02	5/12/2005	2-4	1.9	90.5	1.1 B	0.039 B	18.8	23.7	20.2	0.16	19.3	0.18 U	0.31 B	57.2
BB-03	5/11/2005	4-6	1.7	52.2	0.46 B	0.050 U	16.0	8.4	6.3	0.013 U	12.5	0.19 U	0.014 U	32.5
BB-04	5/11/2005	2-4	1.6	73.6	0.12 U	0.032 U	16.2	13.3	6.0	0.012 U	14.9	0.28 U	0.055 U	35.9
BB-05	5/11/2005	4-6	4.8	241	0.15 U	0.040 U	40.6	39.8	16.0	0.015 B	38.6	0.35 U	0.068 U	83.9
BB-06	5/11/2005	4-6	2.1	79.7	0.13 U	0.033 U	12.9	11.3	4.7	0.018	10.3	0.33 B	0.056 U	29.5
BB-07	5/11/2005	2-4	24.1	38.8	3.9	0.035 U	5.3	8.6	14.5	0.15	5.6	2.1	0.060 U	16.4
BB-08	5/11/2005	4-6	3.3	94.7	0.15 U	0.038 U	18.0	10.4	20.2	0.049	7.7	1.2	0.064 U	39.7
BB-09	5/11/2005	2-4	2.5	66.7	0.16 U	0.041 U	14.3	9.8	65.3	0.13	7.6	0.55 B	0.069 U	33.0
BB-10	5/11/2005	2-4	6.9	205	0.13 U	0.034 U	37.7	33.3	13.0	0.026 B	36.0	1.1	0.12 U	90.0
BB-11	5/11/2005	2-4	3.4	197	0.62 B	0.11 U	33.8	29.0	11.8	0.016 B	34.0	0.81 U	0.059 U	78.5
BB-12	5/12/2005	4-6	5.8	79.2	3.0 B	0.025 U	13.7	13.1	17.6	0.018 B	11.6	0.19 U	0.013 U	34.3
BB-13	5/12/2005	2-4	3.6	67.6	2.0 B	0.024 U	31.3	16.1	48.2	0.48	13.8	0.18 U	0.013 U	73.2
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
BB-14	5/12/2005	4-6	2.9	78.7	0.68 B	0.025 U	18.3	12.0	18.4	0.15	14.0	0.19 U	0.014 U	45.0
BB-15	5/12/2005	2-4	1.7	71.1	0.71 B	0.026 U	11.2	9.0	11.1	0.097	8.6	0.19 U	0.014 U	38.0
BB-16	5/11/2005	2-4	2.6	43.7	0.15 U	0.039 U	16.3	10.7	43.5	0.18	5.9	0.95 B	0.067 U	25.5
BB-17	5/11/2005	4-6	4.0	182	0.15 U	0.038 U	38.7	28.9	11.6	0.020 B	33.0	1.0 B	0.065 U	78.8
BB-18	5/12/2005	2-4	2.5	84.5	1.6 B	0.023 U	15.1	12.6	39.7	0.10	14.0	0.18 U	0.013 U	74.6
BB-19	5/12/2005	2-4	2.1	49.2	1.1 B	0.028 U	10.5	9.2	5.4	0.021 B	9.8	0.21 U	0.015 U	30.1
BB-20	5/12/2005	4-6	3.9	69.3	1.5 B	0.024 U	16.5	11.6	30.0	0.079	12.0	0.18 U	0.013 U	40.1
BG	10/27/1994	-	0.82	61	na	0.50	6.0	12	50	0.07	10	na	0.25	59
CB1	10/27/1994	-	1.10	77	na	0.25	8.0	13	15	0.03	6.8	0.11	0.25	44
CB10	10/27/1994	-	0.90	34	na	0.50	6.5	13	50	0.11	7.3	0.08	0.25	96
CB2	10/27/1994	-	2.10	73	na	0.50	22.0	31	43	0.16	10	0.11	na	64
CB3	10/27/1994	-	1.40	89	na	0.50	12.0	16	22	0.06	8.5	0.10	0.25	40
CB4	10/27/1994	-	1.30	74	na	0.50	7.8	15	45	0.06	7.8	0.03	na	74
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
CB5	10/27/1994	-	1.30	48	na	0.25	7.0	12	30	0.05	7.5	0.02	0.25	42
CB6	10/27/1994	-	1.20	68	na	0.50	8.5	12	13	0.06	9	0.14	0.25	30
CB7	10/27/1994	-	1.00	56	na	1.00	13.0	14	47	0.08	7.5	na	0.25	90
CB8	10/27/1994	-	3.30	46	na	0.75	33.0	150	370	0.19	8.3	0.07	0.50	390
CB9	10/27/1994	-	5.20	52	na	0.75	22.0	33	120	1.40	9.3	0.01	0.25	130
Composite 1	10/8/1996	-	4.01	117	49	3.92	17.3	17.3	23.1 U	0.231 U	18.6	1.15 U	5.77 U	60.3
Composite 2	10/8/1996	-	3.05	54	30	3.51 U	15	12.5	23.4 U	0.234 U	11.7	1.17 U	5.85 U	41.4
Composite 3	10/8/1996	-	2.69	41.9	26	3.63 U	15.3	10.5	24.2 U	0.242 U	12.1 U	1.21 U	6.06 U	36.6
Composite 4	10/8/1996	-	3.23	48.9	28	3.47 U	16.3	10.8	23.1 U	0.231 U	11.6 U	1.16 U	5.78 U	42.7
Composite 5	10/8/1996	-	3.08	84.9	39	3.41 U	22.1	14.9	22.7 U	0.227 U	16	1.14 U	5.68 U	50.8
GP-1	10/29/1996	6-8	5.36	63.5	20	3.61 U	28.6	18.9	41.1	0.241 U	12.2	1.2 U	6.02 U	64
GP-2	10/29/1996	2-4	3.07	95.4	38	3.46 U	22.4	12.8	23.1 U	0.231 U	16	1.15 U	5.77 U	41.4
GP-4	10/29/1996	6-8	10.3	70	25	3.61 U	194	22.4	24.1 U	0.241 U	19	1.2 U	6.02 U	48.9
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
GP-7														
	10/30/1996	2-4	2.88	113	39	3.69	23	19.5	24.6 U	0.246 U	16.5	1.23 U	6.14 U	59.1
GP-9														
	10/30/1996	4-6	3.01	43.2	18	3.56 U	12.1	20.6	23.8 U	0.238 U	11.9 U	1.19 U	5.94 U	39.8
HTE-11														
	8/31/1993	2-4	1.0 U	43	na	0.5 U	9.8	na	6.2	0.02 U	na	0.1 U	0.2 U	na
HTE-26														
	8/31/1993	6-8	1.0 U	26	na	0.5 U	5.9	na	5.6	0.02 U	na	0.1 U	0.2 U	na
HTE-3														
	8/31/1993	5-7	1.0 U	38	na	0.5 U	5.9	na	4.3	0.02 U	na	0.1 U	0.2 U	na
HTE-8														
	8/31/1993	4-6	1.0 U	45.4	na	0.5 U	31.1	na	48.1	0.11	na	0.2 U	0.2 U	na
MW-10														
	1/3/1997	2-4	7.24	71.3	20	3.15 U	81	53.3	77.1	0.262	10.8	1.05 U	5.25 U	66.8
MW-13D														
	1/7/1998	0-2	6.81	94.3	na	3.25 U	25.7	37.5	71.2	0.0844	22.7	1.08 U	5.41 U	156
	1/7/1998	4-6	8.67	206	na	3.4 U	31.3	26.5	71.7	0.051	25.5	1.13 U	5.67 U	120
MW-14														
	12/31/1997	2-4	2.87	71.7	na	3.28 U	15.3	na	26.4	0.175 U	na	1.09 U	5.46 U	na
MW-18D														
	1/14/1998	4-6	0.71	58.1	na	3.22 U	10.3	5.91	21.5 U	0.172 U	10.7 U	1.07 U	5.37 U	28.5
	1/14/1998	8-10	3.26	129	na	4.23	28.6	22.4	24.2 U	0.193 U	21	1.21 U	6.04 U	71.4
MW-19														
	12/24/1997	0-2	3.79	93.2	22	3.43	24.5	22.9	64.2	0.177 U	11.5	1.1 U	5.52 U	104
	12/24/1997	8-10	1.7	92.4	36	4.36	26.2	16.7	22.9 U	0.371	22.2	1.15 U	5.73 U	58.6

DIRECT EXPOSURE CRITERIA	Residential DEC	10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC	10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
MW-20														
	1/20/1998	0-2	3.14	73.6	na	3.57 U	25.5	16.5	24.3	0.19 U	12	1.19 U	5.95 U	63.5
	1/20/1998	4-6	3.53	97.8	na	3.46 U	234	54.9	37	0.326	15.1	1.15 U	5.77 U	126
MW-27D														
	1/13/1998	6-8	2.82	47.8	12 U	3.48 U	11.9	10.2	23.2 U	0.186 U	11.6 U	1.16 U	5.8 U	40.2
MW-28														
	12/31/1997	2-4	6.48	47.5	na	3.25 U	25.1	na	21.7 U	0.173 UJ	10.8 U	4.34 U	5.42 U	27.1
	12/31/1997	6-8	9.7	204	na	3.62	227	68.5	155	0.193 U	18.6	1.21 U	6.03 U	182
MW-34														
	3/23/1998	8-10	2.9	96.9	na	3.64 U	37.5	na	81.9	0.194 U	na	4.86 U	6.07 U	na
PIPE-1														
	5/12/2005	-	3.3	65.5	24.1	0.47	24.0	27.6	120	0.38	10.6	0.87 B	0.062 U	116
SB-1														
	1/14/1998	0-2	2.41	166	na	4.00	17.6	17.7	76.4	0.194 U	12.1 U	1.21 U	6.06 U	863
SB-10														
	1/30/1998	2-4	7.1	92.5	na	7.38	52	273	2,280	0.935	22.2	1.13 U	5.67 U	128
	1/30/1998	8-10	1.75	65	na	3.37 U	13	7.63	22.5 U	0.18 U	12.3	1.12 U	5.61 U	45.9
SB10-1														
	1/3/1997	6-7.5	1.0	19.8	17	3.26 U	14.6	10	21.8 U	0.09 U	12.2	1.09 U	5.44 U	27.2
SB10-2														
	1/6/1997	2-4	1.16	27.1	12	3.26 U	10.3	5.1	21.7 U	0.09 U	10.9 U	1.09 U	5.43 U	18.6
SB10-3														
	1/6/1997	0-2	2.59	107	25	3.92 U	59.6	22.1	39.8	0.127	16.9	1.31 U	21	66.2
SB10-4														
	1/2/1997	4-6	1.22	36.5	22	3.12 U	16.3	7.59	20.8 U	0.08 U	12.2	1.04 U	5.2 U	28.2
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB10-5														
	1/6/1997	2-4	2.04	43.8	19	3.21 U	120	26.9	54.7	0.043	10.7 U	1.07 U	5.35 U	75.7
SB10-6														
	1/3/1997	0-2	2.32	59.5	20	3.23 U	32.9	13.9	49.7	0.292	11.2	1.08 U	5.38 U	53.7
SB10-7														
	1/2/1997	2-4	4.31	282	26	3.24 U	27.3	81.5	162	1.61	16.4	1.08 U	5.4 U	201
SB10-8														
	1/3/1997	4-5	0.79	39.9	16	3.14 U	15.7	4.92	20.9 U	0.08 U	11.2	1.05 U	5.23 U	24.7
SB-11														
	1/30/1998	0-2	1.98	102	na	3.64 U	43	18.8	24.3 U	0.194 U	13.6	1.21 U	6.07 U	88.3
	1/30/1998	4-6	0.5 U	38.6	na	3.48 U	11.6	5.56	23.2 U	0.185 U	11.6 U	1.16 U	5.8 U	30.7
SB1-10														
	12/29/1997	0-2	na	na	na	na	na	na	na	0.721	na	na	na	na
	12/29/1997	4-6	na	na	na	na	na	na	89.8	na	na	na	na	na
SB1-11														
	12/30/1997	0-2	na	na	na	na	na	na	na	0.192 U	na	na	na	na
SB-12														
	10/30/1997	0-2	1.46	46.1	na	3.51	11.2	12.6	21.3 U	0.17 U	10.6 U	1.06 U	5.32 U	28.1
SB-13														
	1/28/1998	2-4	1.43	45.8	na	3.29 U	31.1	16.4	67	0.176 U	11 U	1.1 U	5.49 U	48.2
SB-14														
	10/30/1997	2-3.8	2.57	76.1	na	3.33 U	24.5	20.1	35.7	0.177 U	12.9	1.11 U	5.54 U	60.5
SB-15														
	1/27/1998	4-6	2.00	57.9	na	3.48 U	16.7	13.6	23.2 U	0.185 U	17.4	1.16 U	5.79 U	82.6

DIRECT EXPOSURE CRITERIA	Residential DEC	10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC	10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB-16														
	1/27/1998	2-4	2.79	111	na	3.35 U	134	21	94.6	0.371	11.4	1.12 U	5.59 U	275
	1/27/1998	6-8	0.99	57.1	na	10.5	32.8	16.1	23.2 U	0.185 U	17.4	1.16 U	5.79 U	420
	1/27/1998	8-10	0.43 U	33.4	na	3.2 U	28.9	7.47	21.4 U	0.171 U	10.7 U	1.07 U	5.34 U	108
SB1-6														
	12/22/1997	0-2	na	na	na	na	na	na	na	2.31	na	na	na	na
SB-17														
	1/27/1998	2-4	3.16	54	na	3.45 U	372	26.5	51.7	0.184 U	11.5 U	1.15 U	5.76 U	84.3
SB1-7														
	12/22/1997	0-2	na	na	na	na	na	na	na	0.224	na	na	na	na
SB-18														
	10/30/1997	4-6	2.24	86.6	na	3.45 U	36.8	17.6	49.7	0.341	12.1	1.15 U	5.76 U	66
	10/30/1997	10-12	27.0	86.0	na	3.9	15.4	23.3	25.1	0.179 U	15.6	1.12 U	5.58 U	460
SB1-8														
	12/22/1997	0-2	na	na	na	na	na	na	na	0.846	na	na	na	na
SB-19														
	10/31/1997	2-4	1.93	69.1	na	3.19 U	18.8	23.8	47.1	0.217	10.7	1.06 U	5.31 U	66.7
SB1-9														
	12/29/1997	0-2	na	na	na	na	na	na	na	0.217	na	na	na	na
	12/29/1997	4-6	na	na	na	na	na	na	87.2	na	na	na	na	na
SB-2														
	1/23/1998	6-8	2.41	55.3	na	3.46 U	33.9	15.5	45.3	0.235	11.5 U	1.15 U	5.77 U	116
SB-20														
	1/26/1998	4-6	0.58	23.9	na	3.64 U	9.58	7.4	24.3 U	0.194 U	12.1 U	1.21 U	6.07 U	20.1
	1/26/1998	6-8	4.34	589	na	4.72	15	19.3	385	0.199 U	13.8	1.24 U	6.21 U	418

DIRECT EXPOSURE CRITERIA	Residential DEC	10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC	10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

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METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB-21														
	1/26/1998	6-8	3.6	99.7	na	3.9 U	20.4	14.5	325	0.208 U	13	1.3 U	6.49 U	96.2
SB2-1														
	12/20/1996	0-2	1.44	36.3	25	2.99 U	46.8	22.7	19.9 U	0.29	21.6	1.00 U	4.99 U	64.4
	12/20/1996	4-6	2.24	70.3	28	3.65 U	35.5	18.2	103	0.10	14	1.22 U	6.08 U	92.5
SB-22														
	1/26/1998	2-4	10.4	89.1	na	3.24 U	132	61.4	152	0.173 U	17.8	1.17	5.41 U	233
	1/26/1998	6-8	2.46	101	na	3.76 U	21.5	10.6	25.1 U	0.2 U	12.5 U	1.25 U	6.26 U	85.5
SB2-2														
	12/20/1996	2-4	4.53	205	67	6.62	40.1	30.2	25 U	0.10 U	33.3	1.25 U	6.24 U	87.9
	12/20/1996	4-6	1.62	73.3	21	3.46 U	17.2	13.1	23 U	0.09 U	15	1.15 U	5.76 U	54.7
SB-23														
	10/31/1997	2-4	11.6	63.3	na	3.26 U	99.2	16.6	21.7 U	0.174 U	37.9	1.09 U	5.43 U	41.5
	10/31/1997	8-10	2.09	66.7	na	3.29 U	15.7	11.7	21.9 U	0.175 U	11 U	1.1 U	5.48 U	27.4
SB2-3														
	12/30/1997	2-4	2.59	147	48	5.82	38.6	21.1	25.3 U	0.202 U	21.9	1.26 U	6.32 U	82.2
SB-23-0														
	12/17/2004	0-2	5.8	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	4-6	1.7	na	na	na	na	na	na	na	na	na	na	na
SB-23-1														
	12/17/2004	0-2	2.5	na	na	na	na	na	na	na	na	na	na	na
SB-23-2														
	12/17/2004	0-2	2	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	2-4	2.5	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	4-6	4.1	na	na	na	na	na	na	na	na	na	na	na
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

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METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB-23-3														
	12/17/2004	0-2	3.2	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	2-4	5.8	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	4-6	4.3	na	na	na	na	na	na	na	na	na	na	na
SB-24														
	10/31/1997	2-4	2.44	465	na	3.26 U	15.1	9.01	21.7 U	0.174 U	10.9 U	1.09 U	5.43 U	26.8
	10/31/1997	8-10	0.8	35.3	na	3.29 U	7.58	4.94	22 U	0.176 U	11 U	1.1 U	5.49 U	25.5
SB2-4														
	12/30/1997	2-4	3.55	225	71	7.55	51.3	30.9	23.6 U	0.189 U	36.2	1.18 U	5.89 U	92.5
SB-25														
	1/21/1998	0-2	2.00	56	na	3.33 U	32.2	14.8	22.2 U	0.177 U	11.1 U	1.11 U	5.55 U	57.3
	1/21/1998	4-7.5	7.66	153	na	3.73	44	30.1	86.2	0.181 U	21.4	1.13 U	5.66 U	394
SB2-5														
	12/31/1997	2-4	3.55	205	70	7.22	41.1	31.1	24.9 U	0.199 U	33.4	1.24 U	6.22 U	92.2
SB-26														
	1/23/1998	4-6	27.4	131	na	4.5 U	37.4	35.6	30 U	0.24 U	39.6	1.5 U	7.5 U	184
SB2-6														
	12/31/1997	2-4	2.76	143	52	5.64	30.6	23.3	25.1 U	0.561	27.7	1.25 U	6.26 U	79.4
SB-27														
	1/21/1998	4-6	1.77	58.4	na	3.32 U	20.9	11.5	22.2 U	0.177 U	11.1 U	1.11 U	5.54 U	56.3
SB-3														
	1/14/1998	0-2	2.82	165	na	5.09	47.6	26.6	35.3	0.199 U	12.4 U	1.24 U	6.21 U	133
	1/14/1998	4-6	1.86	102	na	5.35	36.8	16.4	31.3	0.175 U	12.9	1.09 U	5.46 U	142
SB-4														
	1/28/1998	0-2	1.0	48.7	na	3.29 U	10.4	12	21.9 U	0.176 U	11 U	1.1 U	5.48 U	29
	1/28/1998	4-6	1.16	57.5	na	3.58 U	15.3	5.25	23.8 U	0.191 U	11.9 U	1.19 U	5.96 U	29.7
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB-40														
	3/24/1998	0-2	1.66 U	74.6	na	3.11 U	24.9	na	50.7	0.166 U	na	4.15 U	5.19 U	na
	3/24/1998	2-4	4.19	42.4	na	3.46 U	39.1	na	68.7	0.401	na	4.61 U	5.76 U	na
	3/24/1998	4-6	1.72 U	51.7	na	3.23 U	39	na	21.5 U	0.172 U	na	4.31 U	5.39 U	na
SB4-11														
	1/5/1998	0-2	3.71	150	43	5.14	25.8	23	25.1 U	0.201 U	27.5	1.25 U	6.27 U	157
	1/5/1998	6-8	1.2	72	24	3.37 U	15.7	12.1	22.5 U	0.18 U	15.1	1.12 U	5.62 U	36.7
SB4-12														
	1/20/1998	0-2	3.67	128	71	3.59 U	30.8	21.2	23.9 U	0.192 U	24.3	1.2 U	5.99 U	75.6
	1/20/1998	6-8	3.31	181	68	3.7 U	36.2	26.1	24.7 U	0.198 U	30.7	1.23 U	6.17 U	82.2
SB4-7														
	1/6/1998	6-8	2.42	1,530	na	3.18 U	29.1	na	21.2 U	0.0424 U	na	1.06 U	5.3 U	na
SB4-8														
	12/31/1997	6-8	9.36	93.7	na	3.34	922	na	20.9 U	0.167 U	na	1.04 U	5.22 U	na
SB-5														
	1/28/1998	2-4	2.12	66.4	na	3.21 U	28.3	16.1	47.1	0.171 U	13.6	1.07 U	5.35 U	66.1
	1/28/1998	6-8	0.42 U	37.3	na	3.14 U	9.3	5.44	20.9 U	0.167 U	10.5 U	1.05 U	5.23 U	26.2
SB5-1														
	12/30/1996	6-8	3.59	71.2	33	3.48 U	83	21.1	58.6	0.103	14.9	1.16 U	5.81 U	199
SB5-2														
	12/30/1996	6-8	2.8	106	41	3.46 U	22.9	15.4	23.1 U	0.106	17.8	1.15 U	5.77 U	65.8
SB5-3														
	1/6/1997	2-4	2.41	75.3	26	3.07 U	29.3	58.5	90	0.165	12.7	1.02 U	5.11 U	120
SB5-4														
	1/6/1997	6-8	1.00	42.8	18	3.4 U	12.2	4.65	22.7 U	0.243	11.3 U	1.13 U	5.67 U	32.8
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB5-5														
	1/3/1997	8-10	9.52	116	46	3.62	27.5	5.65	22.6 U	0.09 U	18.7	1.13 U	5.65 U	42.4
SB5-6														
	12/30/1996	2-4	3.25	92.3	32	3.27 U	56.3	38.9	179	0.48	14.8	1.09 U	5.44 U	94.4
	12/30/1996	6-8	4.44	73	26	3.49 U	48.8	22.3	211	0.21	13.1	1.16 U	5.82 U	475
SB-6														
	1/28/1998	2-4	2.16	50.4	na	3.29 U	25.2	24.5	67.4	2.45	11 U	1.1 U	5.48 U	71.5
	1/28/1998	6-8	1.32	83.3	na	3.41 U	20.7	7.84	22.7 U	0.182 U	12.3	1.14 U	5.68 U	85.1
SB6-1														
	1/14/1997	4-6	1.47	68.8	25	3.29 U	19.4	7.34	21.9 U	0.09 U	11 U	1.1 U	5.48 U	37.3
	1/14/1997	8-10	0.8	64.1	21	3.42 U	12.7	6.96	22.8 U	0.09 U	11.4 U	1.14 U	5.7 U	23.4
SB6-2														
	1/13/1997	2-4	13.9	87.7	22	3.32 U	318	212	250	0.292	13.2	1.48	5.53 U	170
SB6-3														
	1/14/1997	2-4	4.18	54.6	26	3.12 U	16.3	15.9	39.9	0.09	12.3	1.04 U	5.2 U	48.8
SB6-4														
	1/14/1997	4-6	0.84	43.3	16	3.3 U	14.5	10.1	22 U	0.101	11 U	1.1 U	5.5 U	27.1
SB6-5														
	1/13/1997	2-4	7.29	67.8	25	3.21 U	32.5	16.4	25.7	0.111	12.8	1.07 U	5.35 U	69.7
	1/13/1997	8-10	1.66	100	27	3.85 U	29.5	5.26	25.6 U	0.185	12.8 U	1.28 U	6.41 U	43.5
SB-7														
	2/4/1998	0-2	2.6	76.4	na	3.44 U	19.1	15.6	32.4	0.183 U	11.8	1.15 U	5.73 U	132
	2/4/1998	6-8	0.9	28.3	na	3.43 U	7.78	4.69	22.9 U	0.183 U	11.4 U	1.14 U	5.72 U	39.1
SB7-1														
	1/15/1997	0-2	4.74	136	33	3.81 U	28.2	16.3	25.4 U	0.132	12.7 U	1.27 U	6.35 U	42.7
	1/15/1997	8-10	na	na	na	na	na	na	22.8 U	na	na	na	na	na
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB7-2														
	1/15/1997	2-4	19.6	58.9	44	3.83	20.7	15.6	22.5 U	0.252	14.7	3.13	5.63 U	36.9
	1/15/1997	6-8	na	na	na	na	na	na	382	na	na	na	na	na
SB-8														
	1/27/1998	2-4	2.61	71.5	na	3.35 U	15.8	16.9	22.3 U	0.179 U	17.8	1.12 U	5.59 U	39.1
SB8-10														
	1/7/1998	4-6	2.48	66.2	20	3.44	21.1	17.4	20.2 U	0.316	11.8	1.01 U	5.06 U	43.2
SB8-11														
	12/26/1997	6-8	3.38	73.2	26	3.46 U	20.7	21.9	72.4	0.184 U	13.1	1.15 U	5.76 U	84.6
SB8-12														
	1/6/1998	2-4	7.2	69.2	na	3.43 U	31.7	21.1	53.7	0.0457 U	13.6	1.14 U	5.71 U	97.4
	1/6/1998	8-10	2.65	90.2	na	3.68 U	21.1	16.4	24.5 U	0.375	16.5	1.23 U	6.13 U	42.3
SB8-13														
	12/26/1997	0-2	9.9	105	28	4.25 U	84.9	34.3	38.5	0.402	16.4	1.42 U	7.08 U	119
	12/26/1997	6-8	2.03	66.4	43	5.64	28.0	19.7	25.6 U	0.205 U	20.9	1.28 U	6.41 U	49.0
SB8-14														
	12/29/1997	2-4	5.29	65.2	23	3.64 U	20.5	14.4	34.8	0.878	12.1 U	1.21 U	6.07 U	35.9
	12/29/1997	8-10	1.03	65.9	25	3.83	18.5	12.2	22.5 U	3.95	11.3 U	1.13 U	5.63 U	35.8
SB8-15														
	1/7/1998	4-6	3.4	97.4	29	3.32 U	29.7	14.8	209	0.117	14.8	1.11 U	5.54 U	83.4
	1/7/1998	8-11.5	2.29	113	42	5.06	21.3	20.3	24.1 U	0.118	16.8	1.21 U	6.03 U	48.2
SB8-16														
	12/26/1997	2-4	21.5	90.4	35	4.12	114	55.1	88.6	1.06	17.9	1.11 U	5.57 U	104
	12/26/1997	8-10	1.16	48.1	37	4.79	35.4	15.4	21.8 U	0.174 U	19.8	1.09 U	5.44 U	44.1

DIRECT EXPOSURE CRITERIA	Residential DEC	10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC	10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB8-17														
	12/29/1997	4-6	1.87	36.3	24	3.18 U	13.8	10.1	21.2 U	0.17 U	11.0	1.06 U	5.3 U	27.7
	12/29/1997	8-10	1.36	110	32	3.56	22.4	13.3	23 U	0.184 U	14.6	1.15 U	5.74 U	49.1
SB8-18														
	1/13/1998	0-2	4.73	84.5	30	3.28 U	27.9	17.2	21.9 U	0.192	14.9	1.09 U	5.47 U	52.4
SB8-19														
	1/7/1998	2-4	9.85	260	60	9.45	81.8	49.3	128	0.102	33.2	1.15 U	5.76 U	759
	1/7/1998	6-8	1.69	63.3	34	4.33	16.1	17.1	22.8 U	0.182 U	11.4 U	1.14 U	5.7 U	62.7
SB8-2														
	12/27/1996	0-2	4.32	105	40	3.75 U	36.6	56.4	1,030	1.31	18.7	1.25 U	6.24 U	84.3
	12/27/1996	6-7	1.8	57.3	37	3.61 U	18.4	10.3	24.1 U	0.10 U	13.8	1.2 U	6.01 U	63.2
SB8-20														
	1/21/1998	2-4	5.46	123	20	3.77 U	308	81.7	89.7	0.201 U	13.3	1.26 U	6.29 U	96.6
	1/21/1998	6-8	1.41	61.7	38	3.26 U	20.2	9.03	21.8 U	0.174 U	17.8	1.09 U	5.44 U	67.6
SB8-21														
	12/29/1997	0-2	3.1	76.9	24	3.4 U	20.2	14.4	22.6 U	0.258	13.6	1.13 U	5.66 U	46.9
	12/29/1997	8-10	1.43	70.0	29	3.52 U	19.8	13.5	23.5 U	0.188 U	16.0	1.17 U	5.87 U	41.3
SB8-22														
	1/7/1998	2-4	7.33	126	24	4.39	70.5	31.7	139	1.16	16.7	1.15 U	5.77 U	156
	1/7/1998	8-10	2.01	82.2	29	3.72 U	16.8	18.8	24.8 U	0.198 U	14.2	1.24 U	6.19 U	30.6
SB8-23														
	1/13/1998	2-4	6.96	80	35	4.91	28.6	26.2	32.3	0.339	13.3	1.12 U	5.58 U	106
	1/13/1998	4-8	5.35	90.2	25	3.59	25	21.3	34.9	0.389	12.2	1.16 U	5.79 U	72.4
SB8-24														
	1/13/1998	0-2	7.27	109	16	3.47 U	89	28.4	89.1	0.185 U	13.6	1.16 U	5.78 U	151
	1/13/1998	4-6	1.48	49.3	20	3.45 U	17	7.12	23 U	0.184 U	11.5 U	1.15 U	5.74 U	33.7
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB8-25														
	1/20/1998	0-2	7.4	76.9	26	3.49 U	23.4	27.7	102	0.186 U	11.6 U	1.16 U	5.81 U	29.6
	1/20/1998	6-8	0.9	54.3	14	3.35 U	8.16	5.03	22.4 U	0.179 U	11.2 U	1.12 U	5.59 U	25
SB8-26														
	1/20/1998	0-2	4.49	51.3	20	3.72 U	16.6	39.5	79.2	0.199 U	12.4 U	1.24 U	6.21 U	129
	1/20/1998	6-8	1.5	56	26	3.41 U	13.1	26.8	22.7 U	0.182 U	11.8	1.14 U	5.68 U	64.5
SB8-27														
	1/26/1998	1.6-4.0	1.45	57.6	29	3.44 U	14	12.1	22.9 U	0.183 U	13.1	1.15 U	5.73 U	47.2
SB8-5														
	12/27/1996	4-6	3.83	46.5	23	3.53 U	39	16.6	31.4	0.159	12.1	1.18 U	5.88 U	43.1
SB8-7														
	12/27/1996	4-6	3.8	96.7	43	3.43 U	26.1	17.5	22.9 U	0.325	15.6	1.14 U	5.72 U	45.3
	12/27/1996	8-10	1.97	138	48	3.74 U	27.5	12.1	25 U	0.10 U	20.3	1.25 U	6.24 U	48.3
SB8-8														
	1/2/1997	4-6	1.95	59.3	21	3.46 U	17.9	7.38	23.1 U	0.09 U	12	1.15 U	5.77 U	67.2
SB8-9														
	1/2/1997	2-4	2.72	79.3	28	3.72	57.6	22.8	74.5	0.306	14.4	1.16 U	5.81 U	241
SB-9														
	1/28/1998	4-8	7.8	97.9	na	7.09	30.4	614	694	0.469	18.1	1.22 U	6.11 U	261
SB9-1														
	1/15/1997	0-2	2.59	137	31	3.67 U	25.5	15.2	24.4 U	0.127	12.8	1.22 U	6.11 U	40.3
	1/15/1997	4-6	1.09	46.2	28	3.32 U	19.4	4.43	22.1 U	0.09 U	16.4	1.11 U	5.53 U	37.7
SB9-10														
	2/2/1998	2-4	0.45 U	66.8	na	3.38 U	14.5	15.1	22.5 U	0.18 U	15.4	1.13 U	5.63 U	42.2

DIRECT EXPOSURE CRITERIA	Residential DEC	10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC	10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB9-11														
	2/2/1998	2-4	0.73	22.7	na	3.41 U	6.94	6.72	22.8 U	0.182 U	11.4 U	1.14 U	5.69 U	19.6
	2/2/1998	6-8	4.29	47.7	na	3.6 U	15.4	11.6	24 U	0.192 U	12 U	1.2 U	6.00 U	34.2
SB9-12														
	2/2/1998	0-2	12.9	177	na	5.35	23	30.3	101	0.373	14.2	8.36	6.22 U	57.1
	2/2/1998	4-6	1.91	60.8	na	3.56 U	22.6	12	23.7 U	0.19 U	11.9 U	1.19 U	5.93 U	44
SB9-13														
	2/2/1998	0-2	283	35.2	na	9.68	8.87	17	23.3 U	0.187 U	11.7 U	2.93	5.83 U	62.2
	2/2/1998	2-4	2.02	76.2	na	3.24 U	18.8	15.5	21.6 U	0.173 U	13.8	1.08 U	5.4 U	59.6
SB9-14														
	2/2/1998	2-4	3.79	178	na	3.93 U	38	20.8	26.2 U	0.209 U	31	1.31 U	6.55 U	79.1
	2/2/1998	6-8	2.34	47.2	na	3.61 U	13.6	14.4	24.1 U	0.193 U	13	1.2 U	6.02 U	28.5
SB9-15														
	2/4/1998	0-4	66.3	139	na	5.83	28	44.5	1,830	0.173 U	13	4.56	5.4 U	47.6
	2/4/1998	5.7-8	3.25	197	na	3.48 U	23.3	4.64 U	23.2 U	0.185 U	13.9	1.16 U	5.8 U	38.5
SB9-16														
	2/2/1998	2-4	104	196	na	4.16	22.3	26.5	49.1	2.7	21.9	2.98	6.3 U	57.5
	2/2/1998	6-8	3.74	109	na	3.4 U	19.9	16.8	22.7 U	0.181 U	19.4	1.13 U	5.66 U	48.4
SB9-17														
	3/25/1998	0-2	2.79	135	na	3.47 U	32.1	na	23.2 U	0.185 U	na	4.63 U	5.79 U	na
	3/25/1998	2-4	3.52	112	na	3.52 U	23.7	na	23.5 U	0.188 U	na	4.7 U	5.87 U	na
	3/25/1998	6-8	1.98 U	41.4	na	3.7 U	12.5	na	24.8 U	0.198 U	na	5.0 U	6.2 U	na
SB9-18														
	3/26/1998	0-4	3.31	134	na	3.47 U	26.2	na	23.1 U	0.185 U	na	4.62 U	5.78 U	na
	3/26/1998	4-6.5	3.93	81.1	na	3.3 U	18.7	na	27.4	0.176 U	na	4.4 U	5.5 U	na
SB9-2														
	1/15/1997	2-4	25.3	60.5	80	6.59	19.8	13.9	23.5 U	0.106	11.8 U	1.18 U	5.88 U	22.4
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB9-20														
	3/26/1998	0-4	2.93	136	na	3.7 U	26.4	na	49.3	0.195 U	na	4.9 U	6.1 U	na
	3/26/1998	4-4.5	3.21	143	na	3.37 U	22.8	na	139	0.18 U	na	4.49 U	5.61 U	na
SB9-3														
	1/14/1997	0-2	90.6	90.7	48	3.89	21.1	21.2	101	0.198	18.1	2.13	5.89 U	68.9
	1/14/1997	2-4	111	34.4	80	6.43	14.1	12	22.6 U	0.108	11.3 U	2.01	5.64 U	21.9
SB9-4														
	1/14/1997	0-2	1.27	67.9	17	3.83 U	17.4	6.63	25.5 U	0.219	12.8 U	1.28 U	6.38 U	35.3
	1/14/1997	2-4	9.95	53.2	28	3.24 U	12.1	11.1	97.9	0.09	10.8 U	1.08 U	5.4 U	19.4
SB9-5														
	1/15/1997	2-4	46.5	137	67	5.57	44.9	25.2	54.1	0.466	19.3	4.16	6.19 U	65.8
	1/15/1997	4-6	17.2	106	59	4.77	25.3	21	57.2	0.299	16	1.29 U	6.45 U	44.2
SB9-6														
	2/2/1998	0-2	4.18	187	na	3.35 U	18.4	58.1	988	1.11	29.3	1.12 U	5.58 U	148
	2/2/1998	6-8	1.39	48.1	na	3.2 U	18.2	4.27 U	21.4 U	0.171 U	11.1	1.07 U	5.34 U	38.9
SB9-7														
	2/2/1998	2-4	5.08	71.9	na	3.48 U	57	24	46.8	0.186 U	15.7	1.16 U	5.8 U	57.2
	2/2/1998	4-6	5.15	68.1	na	4.75	18.1	11.9	23.8 U	0.19 U	11.9 U	1.19 U	5.94 U	33.3
	2/2/1998	6-8.0	1.57	80.9	na	3.55 U	21.4	20.7	23.7 U	0.189 U	19	1.18 U	5.91 U	48.4
SB9-8														
	2/2/1998	2-4	0.91	86.3	na	3.36 U	12.1	6.15	22.4 U	0.179 U	11.2 U	1.12 U	5.59 U	47.4
SB9-9														
	2/2/1998	0-2	3.08	108	na	3.5 U	21.6	18.8	64.7	0.187 U	14.5	1.17 U	5.84 U	91.6
	2/2/1998	2-4	1.93	56.2	na	3.25 U	18	6.39	21.7 U	0.173 U	12.7	1.08 U	5.42 U	92.8
	2/2/1998	6-8	1.16	41	na	3.5 U	11.7	4.67 U	23.4 U	0.187 U	11.7 U	1.17 U	5.84 U	36
SBA-1														
	1/15/1997	0-2	4.17	50.1	19	3.28 U	16.3	13.6	21.9 U	0.118	11.3	1.09 U	5.47 U	31.1
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SBA-10														
	1/30/1998	2-4	1.33	39.2	na	3.6 U	12.1	10.7	24 U	0.192 U	12 U	1.2 U	6.01 U	30
	1/30/1998	6-8	0.6	59.3	na	3.32 U	19.7	4.86	22.1 U	0.177 U	13.8	1.11 U	5.53 U	33.7
SBA-11														
	1/30/1998	2-4	4.94	65.7	na	3.53 U	37.8	17.6	58.6	0.188 U	14.6	1.18 U	5.88 U	49.8
	1/30/1998	4-6	1.33	71.5	na	3.41 U	15	4.88	22.7 U	0.182 U	11.4 U	1.14 U	5.68 U	27.2
	1/30/1998	6-8	1.25	33.4	na	3.4 U	10.4	6.35	22.7 U	0.182 U	14.1	1.13 U	5.67 U	38.6
SBA-2														
	1/13/1997	2-4	7.4	259	27	3.8 U	20.4	21.3	136	0.37	19.5	1.27 U	6.33 U	103
SBA-3														
	1/10/1997	2-4	3.19	107	47	3.41 U	25.7	16.3	22.7 U	0.209	17	1.14 U	5.68 U	47.3
SBA-4														
	1/27/1998	0-1.7	5.12	95.8	na	3.9 U	20	18.7	26 U	1.12	15.7	1.3 U	6.5 U	81.1
	1/27/1998	4-7.5	0.7	36.7	na	3.14 U	8.37	9.1	20.9 U	0.167 U	10.5 U	1.05 U	5.23 U	29.8
SBA-5														
	1/20/1998	2-4	2.47	97.9	na	3.47 U	23.9	19	23.1 U	0.185 U	18.7	1.16 U	5.78 U	57.8
	1/20/1998	8-10	0.73	23.2	na	3.57 U	10.4	5.84	23.8 U	0.191 U	11.9 U	1.19 U	5.96 U	23
SBA-6														
	2/3/1998	2-4	8.07	93.7	na	3.47 U	17.6	19.5	23.2 U	0.185 U	13.5	1.16 U	5.79 U	28.5
	2/3/1998	4-6	6.48	89.4	na	3.47 U	19.9	30.4	39.6	0.185 U	18.2	1.16 U	5.78 U	44
SBA-7														
	2/3/1998	2-4	4.54	127	52	3.57 U	32.1	35.6	70	0.19 U	31.6	1.19 U	5.95 U	100
	2/3/1998	4-6.8	3.42	98.7	38	3.45 U	23.7	21.7	74.2	0.184 U	16.4	1.15 U	5.74 U	111
SBA-8														
	2/3/1998	2-4	8.88	349	na	3.84 U	28.6	24.2	25.6 U	0.205 U	33.4	1.28 U	6.41 U	89.7
	2/3/1998	6-8	5.3	225	na	3.81 U	42.2	32.1	25.4 U	0.203 U	39.7	1.27 U	6.34 U	107
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SBA-9														
	2/4/1998	1.5-4	10.2	55.7	na	3.2 U	11.2	27.5	21.3 U	0.171 U	11.5	1.07 U	5.34 U	40.7
	2/4/1998	6-8	146	501	na	7.76	81.1	41.7	258	0.2 U	19.1	1.25 U	6.26 U	106
SBD-1														
	2/3/1998	3-3.5	3.32	149	54	4.11 U	35.6	19	27.4 U	0.219 U	28.1	1.37 U	6.85 U	111
SBD-2														
	2/3/1998	2-2.5	2.09	108	48	3.82 U	22.9	10.4	25.5 U	0.204 U	17.2	1.27 U	6.36 U	74.2
SBMW-14-1														
	12/30/1997	6-8	6.38	89.3	na	3.26 U	15.2	na	257	0.348	na	1.09 U	5.43 U	na
SBMW-20-1														
	1/6/1998	2-4	3.71	385	na	3.51 U	236	62.2	211	0.284	21	1.17 U	5.85 U	468
SBSC-1														
	1/9/1997	4-6	3.17	122	59	3.64	36.3	18.1	22.8 U	0.833	24.5	1.14 U	5.69 U	66.7
SBSC-3														
	1/9/1997	8-10	6.02	234	84	5.27	51.2	32.2	27 U	0.151	40.2	1.35 U	6.76 U	89.4
SBSC-4														
	2/3/1998	8-10	4.23	172	75	3.88 U	36.9	27	25.9 U	0.207 U	30.8	1.29 U	6.47 U	84.5
SBSC-5														
	2/4/1998	6-8	4.41	182	81	3.95 U	38.6	30.7	26.3 U	0.211 U	37.1	1.32 U	6.58 U	111
SBSC-6														
	5/11/2005	2-4	2.8	89.9	0.14 U	0.035 U	21.3	19.3	11.9	0.018 B	17.6	0.30 U	0.060 U	53.9
	5/11/2005	4-6	2.9	159	0.14 U	0.037 U	30.1	28.1	27.2	0.020 B	38.7	0.32 U	0.063 U	80.7
SP1														
	10/27/1994	-	0.76	63	na	0.25	6.5	12	10	0.08	11	na	0.25	28
SP2														
	10/27/1994	-	0.86	69	na	0.50	9.3	15	9.5	0.01	17	na	0.50	35
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 7
METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SS-1														
	12/18/1997	0.13-0.38	na	na	na	na	na	na	na	0.203 U	na	na	na	na
SS-2														
	12/18/1997	0.13-0.38	na	na	na	na	na	na	na	0.198 U	na	na	na	na
SS-3														
	12/18/1997	0.13-0.38	na	na	na	na	na	na	na	0.659	na	na	na	na
SS-4														
	12/18/1997	0.13-0.38	na	na	na	na	na	na	na	0.217 U	na	na	na	na
SS-5														
	12/18/1997	0.13-0.38	2.88	124	37	6.59	28.6	24.5	23.1 U	1.01	24.2	1.16 U	5.78 U	95.2
SS-6														
	12/18/1997	0.13-0.38	2.55	90.3	21	4.1	17.4	24.7	22.8 U	372	14.6	1.14 U	5.7 U	83.1
	1/21/1998	0.5-1	na	na	na	na	na	na	na	2.37	na	na	na	na
SS-6-1														
	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	2.45	na	na	na	na
SS-6-10														
	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	3.26	na	na	na	na
SS-6-11														
	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	3.18	na	na	na	na
SS-6-12														
	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	0.839	na	na	na	na
SS-6-13														
	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	1.17	na	na	na	na
SS-6-2														
	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	3.97	na	na	na	na
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

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METALS RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SS-6-3	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	6.35	na	na	na	na
SS-6-4	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	0.209 U	na	na	na	na
SS-6-5	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	20.8	na	na	na	na
SS-6-6	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	1.2	na	na	na	na
SS-6-7	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	1.14	na	na	na	na
SS-6-8	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	8.08	na	na	na	na
SS-6-9	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	0.704	na	na	na	na

Notes:
Concentrations are reported in mg/Kg (ppm).
U = compound was not detected at the indicated concentration.
B = analyte also present in laboratory method blank.
na = not analyzed.
- = data not collected/not available.
Site soil samples were not analyzed for Antimony, Beryllium, Chromium(VI), Thallium, and Vanadium.
* = criteria for total chromium is not specified in the RSRs. Therefore, the values for trivalent chromium (III) / hexavalent chromium (VI) were selected for data evaluation purposes.
= concentration exceeds residential DEC.
= concentration exceeds residential and industrial/commercial DEC.

DIRECT EXPOSURE CRITERIA	Residential DEC	10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC	10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 8
METALS RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
BB-01	5/11/2005	14-16	0.57	78.1	0.65 B	0.033 U	10.3	4.2	3.8	0.011 U	7.1	0.29 U	0.057 U	18.2
BB-02	5/12/2005	10-12	0.68	60.3	1.2 B	0.021 U	8.5	3.7	3.9	0.011 B	7.3	0.16 U	0.012 U	19.9
BB-03	5/11/2005	14-16	1.5	86.4	2.0 B	0.033 U	14.4	6.0	5.2	0.011 U	11.5	0.29 U	0.057 U	29.4
BB-04	5/11/2005	14-16	2.2	58.7	0.20 B	0.034 U	26.0	24.5	14.9	0.18	12.5	0.55 B	0.057 U	48.2
BB-05	5/11/2005	10-12	1.8	58.7	0.13 U	0.033 U	17.0	10.3	7.0	0.013 U	13.7	0.49 B	0.057 U	29.7
BB-06	5/11/2005	10-12	1.7	107	0.21 B	0.036 U	12.7	13.5	5.4	0.012 U	14.1	0.32 U	0.062 U	39.5
BB-07	5/11/2005	8-10	12.6	89.5	1.2 B	0.026 U	23.1	14.0	18.8	0.024 B	16.9	0.20 U	0.014 U	56.0
BB-08	5/11/2005	12-14	2.7	49.7	0.12 U	0.032 U	12.3	2.5 B	3.5	0.012 U	7.7	0.28 U	0.055 U	20.4
BB-09	5/11/2005	10-12	1.5	57.9	0.50 B	0.025 U	9.0	7.0	3.9	0.012 U	10.0	0.19 U	0.014 U	23.8
BB-10	5/11/2005	8-10	1.1	26.6	0.17 B	0.037 U	7.3	4.5	2.8	0.013 U	6.7	0.32 U	0.063 U	14.7
BB-11	5/11/2005	14-16	0.90	41.2	0.46 B	0.025 U	8.6	2.0 B	3.4	0.015 B	6.1	0.19 U	0.014 U	15.3
BB-12	5/12/2005	12-14	0.65	34.3	0.51 B	0.021 U	6.3	1.9 B	2.7	0.027 B	6.4	0.16 U	0.012 U	16.4
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 8
METALS RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
BB-13	5/12/2005	10-12	0.66	30.9	0.39 B	0.022 U	6.5	1.7 B	2.7	0.012 U	5.9	0.16 U	0.012 U	15.0
BB-14	5/12/2005	10-12	0.53 B	66.9	0.26 B	0.024 U	7.8	3.0	2.6	0.012 U	5.8	0.18 U	0.013 U	14.1
BB-15	5/12/2005	10-12	1.3	56.9	0.13 U	0.034 U	24.0	4.8	8.6	0.012 U	23.1	0.50 B	0.058 U	70.8
BB-16	5/11/2005	12-14	1.7	93.9	0.88 B	0.039 U	11.9	9.7	4.5	0.013 U	10.3	0.40 B	0.066 U	24.0
BB-17	5/11/2005	12-14	1.4	75.2	0.17 B	0.032 U	9.5	4.6	6.9	0.017 B	6.1	0.36 B	0.055 U	17.3
BB-18	5/12/2005	12-14	1.4	61.7	1.4 B	0.024 U	20.0	5.2	16.0	0.032 B	8.5	0.18 U	0.013 U	79.2
BB-20	5/12/2005	10-12	3.6	129	0.25 B	0.025 U	15.5	6.0	4.4	0.016 B	8.3	0.19 U	0.013 U	24.9
MW-19	12/24/1997	12-14	0.47	50.8	14	3.4 U	10.4	5.79	22.7 U	0.182 U	11.3 U	1.13 U	5.67 U	28.4
MW-23D	1/12/1998	12-14	na	na	na	na	16.6	na	na	na	na	na	na	na
MW-27D	1/13/1998	10-12	2.94	138	32	4.48	18.7	11.8	23.6 U	0.189 U	16.1	1.18 U	5.89 U	54.1
MW-28	12/31/1997	12-14	0.83	73.1	na	3.27 U	13.5	6.1	21.8 U	0.174 U	11.4	1.09 U	5.45 U	38.1
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

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METALS RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
MW-32														
	3/23/1998	8-10	4.49	138	na	3.61 U	148	na	24.1 U	0.193 U	na	4.81 U	6.02 U	na
	3/23/1998	12-14	1.73 U	57.7	na	3.23 U	27	na	21.6 U	0.173 U	na	4.31 U	5.39 U	na
MW-33														
	3/23/1998	8-10	2.07	92.6	na	3.64 U	33.6	na	24.3 U	0.194 U	na	4.86 U	6.07 U	na
	3/23/1998	12-14	1.8 U	39.7	na	3.37 U	20.2	na	45.8	0.18 U	na	4.49 U	5.62 U	na
MW-34														
	3/23/1998	12-14	2.04 U	62.9	na	3.83 U	25.8	na	45.3	0.204 U	na	5.11 U	6.38 U	na
SB-1														
	1/14/1998	8-10	0.8	46	na	3.36 U	11.6	4.48 U	22.4 U	0.179 U	11.6	1.12 U	5.6 U	28.7
SB-13														
	1/28/1998	8-12	16.1	591	na	7.56	5,320	139	844	1.37	18.9 U	1.89 U	9.44 U	382
	1/28/1998	14-16	0.57	62.4	na	3.35 U	12.6	6.48	22.4 U	0.179 U	11.2 U	1.12 U	5.59 U	38.9
SB-15														
	1/27/1998	8-11.0	4.25	235	na	5.17	45.9	32.9	26.5 U	0.212 U	42	1.33 U	6.63 U	118
SB-17														
	1/27/1998	12-14	6.81	97.4	na	4.87	137	51.2	176	0.696	32.5	1.46	5.8 U	213
SB-18-1														
	12/17/2004	8-10	7.8	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	10-12	0.52 B	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	12-14	0.45 B	na	na	na	na	na	na	na	na	na	na	na
SB-18-2														
	12/17/2004	8-10	2	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	10-12	0.87	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	12-14	0.52 B	na	na	na	na	na	na	na	na	na	na	na
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

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METALS RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB-18-3														
	12/17/2004	8-10	1.3	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	10-12	0.61	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	12-14	0.5 B	na	na	na	na	na	na	na	na	na	na	na
SB-18-5														
	12/18/2004	8-10	1.5	na	na	na	na	na	na	na	na	na	na	na
	12/18/2004	10-12	0.8	na	na	na	na	na	na	na	na	na	na	na
	12/18/2004	12-14	0.76	na	na	na	na	na	na	na	na	na	na	na
SB-2														
	1/23/1998	12-14	0.61	72.2	na	3.85 U	14.5	5.13	25.6 U	0.205 U	12.8 U	1.28 U	6.41 U	36.9
SB-20														
	1/26/1998	8-12	2.65	65.5	na	4.62	132	33.1	70.8	0.185 U	16.9	1.16 U	5.78 U	123
SB-21														
	1/26/1998	12-14	0.7	41.4	na	3.48 U	8.59	6.04	23.2 U	0.186 U	11.6 U	1.16 U	5.81 U	33.4
SB2-3														
	12/30/1997	8-10	1.85	200	46	4.22 U	41.9	18	28.1 U	0.225 U	24.1	1.41 U	7.03 U	61.9
SB2-4														
	12/30/1997	8-10	1.53	80.3	38	3.54	31.2	8.33	22.8 U	0.183 U	16.4	1.14 U	5.71 U	44
SB2-5														
	12/31/1997	8-10	1.09	71.9	15	3.69 U	19.2	5.42	24.6 U	0.197 U	12.3 U	1.23 U	6.16 U	23.6
SB-26														
	1/23/1998	8-10	4.25	75.5	na	3.7 U	26.1	21.1	35.6	0.197 U	26.3	1.23 U	6.17 U	77.6
SB2-6														
	12/31/1997	8-10	1.25	58.2	21	3.58 U	17.5	4.89	23.9 U	0.191 U	11.9 U	1.19 U	5.96 U	26.5

DIRECT EXPOSURE CRITERIA	Residential DEC	10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC	10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 8
METALS RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB-27														
	1/21/1998	8-12	1.62	40.9	na	3.42 U	39.4	18.5	27.5	0.182 U	11.4 U	1.14 U	5.7 U	77.9
SB4-10														
	1/5/1998	14-15	na	na	na	na	16.6	na	na	na	na	na	na	na
SB4-11														
	1/5/1998	12-14	na	na	na	na	29.9	na	na	na	na	na	na	na
SB4-12														
	1/20/1998	12-14	na	na	na	na	22.9	na	na	na	na	na	na	na
SB4-13														
	1/5/1998	10-12	na	na	na	na	36.9	na	na	na	na	na	na	na
SB4-6														
	1/6/1998	12-15.5	na	na	na	na	62.2	na	na	na	na	na	na	na
SB4-7														
	1/6/1998	12-16	na	na	na	na	11.3	na	na	na	na	na	na	na
SB4-8														
	12/31/1997	10-12	16.7	153	na	7.43	427	na	28.5	0.208 U	na	1.3 U	6.51 U	na
	12/31/1997	12-14	na	na	na	na	154	na	na	na	na	na	na	na
SB4-9														
	1/5/1998	10-12	na	na	na	na	43	na	na	na	na	na	na	na
SB5-1														
	12/30/1996	8-10	4.15	45.5	18	3.53 U	159	19.6	31.2	0.312	11.8 U	1.18 U	5.88 U	117
SB5-2														
	12/30/1996	8-10	6.71	128	36	4.54 U	481	41.3	51	0.318	15.9	1.51 U	7.57 U	267
	12/30/1996	10-12	8.35	170	46	4.74 U	190	35.1	53.8	0.243	17.2	1.58 U	7.91 U	148

DIRECT EXPOSURE CRITERIA	Residential DEC	10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC	10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 8
METALS RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB-8														
	1/27/1998	8-10.9	3.04	110	na	3.68 U	29.3	21.8	24.5 U	0.196 U	23.2	1.23 U	6.13 U	107
	1/27/1998	12-12.5	1.62	36.6	na	3.17 U	438	17.3	21.1 U	0.169 U	10.7	1.06 U	5.29 U	51.2
SB8-1														
	12/31/1996	12-14	0.751	45.2	17	3.22 U	12.8	6.98	21.5 U	0.09 U	10.7 U	1.07 U	5.37 U	22.2
	12/31/1996	14-16	0.667	38.4	14	3.13 U	9.9	4.27	20.9 U	0.08 U	10.4 U	1.04 U	5.21 U	15.5
SB8-10														
	1/7/1998	10-12	0.95	69.5	22	3.35 U	16.7	6.92	22.3 U	0.178 U	14.2	1.12 U	5.58 U	47.1
SB8-11														
	12/26/1997	10-12	1.81	50.9	23	3.43 U	19.5	18.9	22.9 U	0.183 U	14.5	1.14 U	5.72 U	45.5
SB8-18														
	1/13/1998	10-12	0.44 U	34.7	11 U	3.34 U	9.67	5.0	22.2 U	0.178 U	13.1	1.11 U	5.56 U	52.9
SB8-23														
	1/13/1998	10-12	0.44 U	37.2	11 U	3.3 U	7.37	4.4 U	22 U	0.176 U	11 U	1.1 U	5.5 U	20.8
SB8-24														
	1/13/1998	8-10	0.4 U	46.4	11 U	3.34 U	11.4	5.46	22.3 U	0.178 U	11.1 U	1.11 U	5.57 U	26.5
SB8-26														
	1/20/1998	10-12	0.79	31.9	12	3.27 U	5.46	4.37 U	21.8 U	0.175 U	10.9 U	1.09 U	5.46 U	17.7
SB8-27														
	1/26/1998	8-10	0.61	40.3	21	3.29 U	13.1	6.47	21.9 U	0.175 U	11 U	1.1 U	5.48 U	47.1
SB8-3														
	12/26/1996	8-10	5.61	52.6	37	3.32 U	14.4	12.5	22.1 U	0.143	11.1 U	1.11 U	5.53 U	76.6
	12/26/1996	12-14	2.39	42.3	22	3.4 U	12.4	4.75	22.6 U	0.344	11.3 U	1.13 U	5.66 U	19.6
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 8
METALS RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SB8-4	1/2/1997	8-10	0.796	36.5	20	3.35 U	10.4	6.7	22.3 U	0.09	11.2 U	1.12 U	5.58 U	17.1
SB8-5	12/27/1996	10-11.8	0.640	41.8	21	3.2 U	12.7	4.91	21.3 U	0.09 U	10.7 U	1.07 U	5.34 U	17.6
SB8-6	12/31/1996	8-10	0.768	35.7	18	3.42 U	12.6	4.55 U	22.8 U	0.09 U	11.4 U	1.14 U	5.69 U	23.8
SB-9	1/28/1998	10-12	1.47	101	na	3.68 U	18.8	9.33	24.6 U	0.196 U	13.8	1.23 U	6.14 U	59.9
SB9-10	2/2/1998	6-8	0.5 U	78.6	na	3.39 U	12.9	5.98	22.6 U	0.181 U	13.9	1.13 U	5.64 U	33.8
SB9-12	2/2/1998	6-8	58.8	209	na	12.7	30.2	15.1	22.9 U	0.183 U	12.6	1.14 U	5.72 U	49.1
SB9-2	1/15/1997	6-8	1.45	82.2	15	3.79 U	15.9	8.85	25.3 U	0.101 U	16.7	1.26 U	6.32 U	234
SB9-8	2/2/1998	6-8	7.57	60.1	na	3.31 U	9.72	5.63	22.1 U	0.177 U	11 U	1.1 U	5.52 U	36.6
SBA-4	1/27/1998	12-13	1.85	112	na	3.67 U	22.9	16.8	24.5 U	0.196 U	22.9	1.22 U	6.12 U	62.8
SBA-6	2/3/1998	8-10	0.79	21.8	na	3.48 U	8.01	4.64 U	23.2 U	0.186 U	11.6 U	1.16 U	5.8 U	25.3
SBA-7	2/3/1998	8-10.1	1.05	22.3	12 U	3.66 U	6.7	4.87 U	24.4 U	0.195 U	12.2 U	1.22 U	6.09 U	25.2
SBSC-2	1/9/1997	10-12	1.51	29.8	19	3.45 U	13.4	4.6 U	23 U	0.09 U	11.5 U	1.15 U	5.74 U	15.9
DIRECT EXPOSURE CRITERIA	Residential DEC		10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC		10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 8
METALS RESULTS FOR SATURATED ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SBSC-4														
	2/3/1998	13.6-16	9.7	88.2	29	3.59 U	111	97.9	117	0.191 U	40.3	1.2 U	5.98 U	182
SBSC-5														
	2/4/1998	12-16	1.47	117	20	3.43 U	11.3	7.09	22.9 U	0.183 U	11.4 U	1.14 U	5.71 U	35.7
SBSC-6														
	5/11/2005	12-14	8.6	490	7.1 B	0.62 B	4,340	490	634	4.1	11.3	1.5 B	2.4	196
SBSC-7														
	5/11/2005	14-16	5.6	202	0.25 U	0.23 B	55.3	33.3	16.3	0.35	39.7	0.87 B	0.017 U	97.0

Notes:
Concentrations are reported in mg/Kg (ppm).
U = compound was not detected at the indicated concentration.
B = analyte also present in laboratory method blank.
na = not analyzed.
- = data not collected/not available.
Site soil samples were not analyzed for Antimony, Beryllium, Chromium(VI), Thallium, and Vanadium.
* = criteria for total chromium is not specified in the RSRs. Therefore, the values for trivalent chromium (III) / hexavalent chromium (VI) were selected for data evaluation purposes.
= concentration exceeds residential DEC.
= concentration exceeds residential and industrial/commercial DEC.

DIRECT EXPOSURE CRITERIA	Residential DEC	10	4,700	6,100	34	3,900 / 100 *	2,500	500	20	1,400	340	340	20,000
	Industrial/ Commercial DEC	10	140,000	-	1,000	51,000 / 100 *	76,000	1,000	610	7,500	10,000	10,000	610,000

TABLE 9
METALS SPLP TCLP RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic		Barium		Boron		Cadmium		Chromium		Copper		Lead		Mercury		Nickel		Selenium		Silver		Zinc	
			SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP
B05	10/20/1995	8-10	na	1.0 U	na	0.53	na	na	na	0.05 U	na	0.115 U	na	na	na	0.35 U	na	0.0001 U	na	na	na	na	na	0.1 U	na	na
B11	10/21/1995	4-6	na	1.0 U	na	0.59	na	na	na	0.05 U	na	0.05 U	na	na	na	0.115 U	na	0.0001 U	na	na	na	na	na	0.1 U	na	na
B12	10/21/1995	10-12	na	1.0 U	na	0.89	na	na	na	0.05 U	na	0.05 U	na	na	na	0.115 U	na	0.0001 U	na	na	na	na	na	0.1 U	na	na
BB-01	5/11/2005	2-4	0.0023 U	na	0.10 B	na	0.041 B	na	0.00031 U	na	0.0068 B	na	0.021 B	na	0.0082	na	0.000067 U	na	0.0022 B	na	0.0027 U	na	0.0020 B	na	0.018 B	na
BB-02	5/12/2005	2-4	0.0023 U	na	0.050 B	na	0.13	na	0.00031 U	na	0.0085 B	na	0.011 B	na	0.021	na	0.00010 B	na	0.0041 B	na	0.0027 U	na	0.00053 U	na	0.031	na
BB-03	5/11/2005	4-6	0.0023 U	na	.0047 B	na	0.083 B	na	0.00031 U	na	0.00085 B	na	0.0028 U	na	0.0019 U	na	0.000067 U	na	0.00065 U	na	0.0027 U	na	0.00053 U	na	0.0052 B	na
BB-04	5/11/2005	2-4	0.0023 U	na	0.048 B	na	0.046 B	na	0.00031 U	na	0.0025 B	na	0.0045 B	na	0.0019 U	na	0.000067 U	na	0.0019 B	na	0.0027 U	na	0.00053 U	na	0.012 B	na
BB-05	5/11/2005	4-6	0.0023 U	na	0.19 B	na	0.065 B	na	0.00031 U	na	0.017	na	0.019 B	na	0.0052	na	0.000067 U	na	0.015 B	na	0.0027 U	na	0.00053 U	na	0.041	na
BB-06	5/11/2005	4-6	0.0023 U	na	0.043 B	na	0.034 B	na	0.00031 U	na	0.0023 B	na	0.0048 B	na	0.0019 U	na	0.000067 U	na	0.0010 B	na	0.0027 U	na	0.00053 U	na	0.011 B	na
BB-07	5/11/2005	2-4	0.0023 U	na	0.014 B	na	0.024 B	na	0.00031 U	na	0.00053 U	na	0.0028 U	na	0.0019 U	na	0.000067 U	na	0.00065 U	na	0.0027 U	na	0.00053 U	na	0.0083 B	na
BB-08	5/11/2005	4-6	0.0023 U	na	0.044 B	na	0.030 B	na	0.00031 U	na	0.0038 B	na	0.0047 B	na	0.0038 B	na	0.000067 U	na	0.0015 B	na	0.0027 U	na	0.00053 U	na	0.014 B	na
BB-09	5/11/2005	2-4	0.0027 B	na	0.013 B	na	0.12	na	0.00031 U	na	0.0031 B	na	0.0056 B	na	0.011	na	0.000067 U	na	0.0023 B	na	0.0027 U	na	0.00053 U	na	0.012 B	na
BB-10	5/11/2005	2-4	0.014	na	0.62	na	0.19	na	0.00031 U	na	0.095	na	0.096	na	0.040	na	0.000067 U	na	0.089	na	0.0034 B	na	0.00053 U	na	0.20	na
BB-11	5/11/2005	2-4	0.012	na	0.48	na	0.30	na	0.00031 U	na	0.062	na	0.076	na	0.023	na	0.000067 U	na	0.061	na	0.0027 U	na	0.00053 U	na	0.14	na
BB-12	5/12/2005	4-6	0.0075	na	0.14 B	na	0.15	na	0.00031 U	na	0.017	na	0.024 B	na	0.017	na	0.000067 U	na	0.015 B	na	0.0027 U	na	0.00053 U	na	0.051	na
BB-13	5/12/2005	2-4	0.0046 B	na	0.059 B	na	0.16	na	0.00031 U	na	0.0095 B	na	0.014 B	na	0.029	na	0.00045	na	0.0067 B	na	0.0027 U	na	0.00053 U	na	0.046	na
BB-14	5/12/2005	4-6	0.0064	na	0.31	na	0.15	na	0.00031 U	na	0.044	na	0.041	na	0.025	na	0.000067 U	na	0.039 B	na	0.0030 B	na	0.00053 U	na	0.10	na
BB-15	5/12/2005	2-4	0.0023 U	na	0.027 B	na	0.086 B	na	0.00031 U	na	0.00062 B	na	0.0028 U	na	0.0019 U	na	0.000067 U	na	0.0012 B	na	0.0027 U	na	0.00053 U	na	0.0059 B	na
BB-16	5/11/2005	2-4	0.0023 U	na	0.017 B	na	0.19	na	0.00031 U	na	0.0065 B	na	0.012 B	na	0.0093	na	0.000073 B	na	0.0024 B	na	0.0027 U	na	0.00053 U	na	0.021	na
POLLUTANT MOBILITY CRITERIA		GAPMC	0.05	0.05	1	1	12.6	12.6	0.005	0.005	0.05	0.05	1.3	1.3	0.015	0.015	0.002	0.002	0.1	0.1	0.05	0.05	0.036	0.036	5	5
		GBPMC	0.5	0.5	10	10	126	126	0.05	0.05	0.5	0.5	13	13	0.15	0.15	0.02	0.02	1	1	0.5	0.5	0.36	0.36	50	50

TABLE 9
METALS SPLP TCLP RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic		Barium		Boron		Cadmium		Chromium		Copper		Lead		Mercury		Nickel		Selenium		Silver		Zinc	
			SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP
BB-17	5/11/2005	4-6	0.014	na	0.84	na	0.26	na	0.00031 U	na	0.11	na	0.16	na	0.053	na	0.000067 U	na	0.12	na	0.0033 B	na	0.00053 U	na	0.25	na
BB-18	5/12/2005	2-4	0.0082	na	0.25	na	0.17	na	0.00031 U	na	0.026	na	0.041	na	0.058	na	0.00032	na	0.028 B	na	0.0027 U	na	0.00053 U	na	0.14	na
BB-19	5/12/2005	2-4	0.0059	na	0.28	na	0.23	na	0.00031 U	na	0.036	na	0.042	na	0.017	na	0.000067 U	na	0.031 B	na	0.0027 U	na	0.00053 U	na	0.076	na
BB-20	5/12/2005	4-6	0.0041 B	na	0.056 B	na	0.13	na	0.00031 U	na	0.0046 B	na	0.014 B	na	0.0096	na	0.000068 B	na	0.0038 B	na	0.0027 U	na	0.00053 U	na	0.024	na
BG	10/27/1994	-	na	na	na	0.55	na	na	na	0.01	na	na	na	0.01	na	0.04	na	na	na	0.06	na	na	na	na	na	0.29
CB1	10/27/1994	-	na	na	na	1.10	na	na	na	0.01	na	0.01	na	0.01	na	0.08	na	na	na	0.04	na	na	na	na	na	0.26
CB10	10/27/1994	-	na	na	na	0.67	na	na	na	0.02	na	0.02	na	0.03	na	0.18	na	na	na	0.07	na	na	na	0.01	na	0.96
CB2	10/27/1994	-	na	na	na	0.96	na	na	na	0.01	na	0.01	na	0.02	na	0.04	na	na	na	0.05	na	na	na	0.01	na	0.21
CB3	10/27/1994	-	na	na	na	1.10	na	na	na	na	na	0.01	na	0.02	na	0.01	na	na	na	0.05	na	na	na	na	na	0.32
CB4	10/27/1994	-	na	na	na	1.20	na	na	na	0.01	na	0.01	na	0.02	na	0.04	na	na	na	0.08	na	na	na	0.01	na	0.54
CB5	10/27/1994	-	na	na	na	0.85	na	na	na	0.01	na	0.01	na	0.01	na	0.04	na	na	na	0.07	na	na	na	0.01	na	0.26
CB6	10/27/1994	-	na	na	na	0.70	na	na	na	0.01	na	0.02	na	0.01	na	0.02	na	na	na	0.07	na	na	na	0.01	na	0.11
CB7	10/27/1994	-	na	na	na	0.71	na	na	na	0.01	na	0.01	na	0.03	na	0.05	na	na	na	0.10	na	na	na	0.01	na	0.32
CB8	10/27/1994	-	na	na	na	0.47	na	na	na	0.01	na	0.02	na	0.10	na	0.48	na	na	na	0.07	na	na	na	0.01	na	0.69
CB9	10/27/1994	-	na	na	na	0.45	na	na	na	0.01	na	0.02	na	0.02	na	0.13	na	na	na	0.10	na	na	na	0.01	na	0.41
Composite 1	10/8/1996	-	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.113	na
Composite 2	10/8/1996	-	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.114	na
Composite 3	10/8/1996	-	0.010 U	na	1.13	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.824	na
Composite 4	10/8/1996	-	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.116	na
POLLUTANT MOBILITY CRITERIA		GAPMC	0.05	0.05	1	1	12.6	12.6	0.005	0.005	0.05	0.05	1.3	1.3	0.015	0.015	0.002	0.002	0.1	0.1	0.05	0.05	0.036	0.036	5	5
		GBPMC	0.5	0.5	10	10	126	126	0.05	0.05	0.5	0.5	13	13	0.15	0.15	0.02	0.02	1	1	0.5	0.5	0.36	0.36	50	50

TABLE 9
METALS SPLP TCLP RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic		Barium		Boron		Cadmium		Chromium		Copper		Lead		Mercury		Nickel		Selenium		Silver		Zinc	
			SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP
Composite 5																										
	10/8/1996	-	0.010 U	na	1.13	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.179	na
HTE-8																										
	8/31/1993	4-6	na	na	na	na	na	na	na	na	na	0.05 U	na	na	na	0.20	na	0.002 U	na	na	na	na	na	na	na	na
MW-10																										
	1/3/1997	2-4	0.010 U	na	1.00 U	na	0.2	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0124	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.050 U	na
MW-13D																										
	1/7/1998	2-4	0.004 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0098	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.118	na
	1/7/1998	4-6	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0056	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.052	na
MW-19																										
	12/24/1997	0-2	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0136	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.071	na
MW-20																										
	1/20/1998	4-6	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0080	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.116	na
MW-22																										
	1/20/1998	0-2	0.004 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0065	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.176	na
MW-27D																										
	1/13/1998	6-8	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.141	na
MW-28																										
	12/31/1997	2-4	0.004 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0104	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.110	na
NE-01																										
	5/12/2005	0-2	na	na	0.060 B	na	na	na	0.00031 U	na	na	na	0.013 B	na	0.024	na	na	na	na	na	na	na	na	na	na	na
	5/13/2005	4-6	na	na	0.11 B	na	na	na	0.00031 U	na	na	na	0.013 B	na	0.0074	na	na	na	na	na	na	na	na	na	na	na
NE-02																										
	5/13/2005	0-2	na	na	0.075 B	na	na	na	0.00031 U	na	na	na	0.019 B	na	0.0043 B	na	na	na	na	na	na	na	na	na	na	na
	5/13/2005	4-6	na	na	.0049 B	na	na	na	0.00031 U	na	na	na	0.0028 U	na	0.0019 U	na	na	na	na	na	na	na	na	na	na	na
PIPE-1																										
	5/12/2005	-	0.0025 B	na	0.019 B	na	0.13	na	0.00031 U	na	0.0047 B	na	0.010 B	na	0.023	na	0.000067 U	na	0.0028 B	na	0.0027 U	na	0.00053 U	na	0.028	na
SB-10																										
	1/30/1998	2-4	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.090	na	0.682	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.168	na
SB10-3																										
	1/6/1997	0-2	0.010 U	na	1.00 U	na	0.2	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0133	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.050 U	na
SB10-5																										
	1/6/1997	2-4	0.010 U	na	1.00 U	na	0.2	na	0.0010 U	na	0.088	na	0.050 U	na	0.0346	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.055	na
SB10-6																										
	1/3/1997	0-2	0.010 U	na	1.00 U	na	0.3	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0443	na	0.0023	na	0.10 U	na	0.010 U	na	0.030 U	na	0.075	na
SB10-7																										
	1/2/1997	2-4	0.010 U	na	1.00 U	na	0.3	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.050 U	na
	POLLUTANT MOBILITY CRITERIA	GAPMC	0.05	0.05	1	1	12.6	12.6	0.005	0.005	0.05	0.05	1.3	1.3	0.015	0.015	0.002	0.002	0.1	0.1	0.05	0.05	0.036	0.036	5	5
		GBPMC	0.5	0.5	10	10	126	126	0.05	0.05	0.5	0.5	13	13	0.15	0.15	0.02	0.02	1	1	0.5	0.5	0.36	0.36	50	50

TABLE 9
METALS SPLP TCLP RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic		Barium		Boron		Cadmium		Chromium		Copper		Lead		Mercury		Nickel		Selenium		Silver		Zinc	
			SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP
SB1-10																										
	12/29/1997	4-6	na	na	na	na	na	na	na	na	na	na	na	na	0.0060	na	na	na	na	na	na	na	na	na	na	na
SB-16																										
	1/27/1998	2-4	0.010 U	na	1.00 U	na	na	na	0.0012	na	0.063	na	0.050 U	na	0.0206	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.159	na
	1/27/1998	6-8	0.010 U	na	1.00 U	na	na	na	0.0021	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.162	na
SB1-6																										
	12/22/1997	0-2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0.0010 U	na	na	na	na	na	na	na	na	na
SB1-9																										
	12/29/1997	4-6	na	na	na	na	na	na	na	na	na	na	na	na	0.0084	na	na	na	na	na	na	na	na	na	na	na
SB-2																										
	1/23/1998	2-4	0.006	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0107	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.132	na
	1/23/1998	6-8	0.004 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0158	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.115	na
SB-20																										
	1/26/1998	6-8	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0412	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.134	na
SB-22																										
	1/26/1998	2-4	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0328	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.109	na
SB2-2																										
	12/20/1996	2-4	0.010 U	na	1.20	na	0.1	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0066	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.088	na
SB-23																										
	10/31/1997	2-4	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.099	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.118	na
SB-23-0																										
	12/17/2004	0-2	na	na	na	na	na	na	na	na	0.0013 B	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	4-6	na	na	na	na	na	na	na	na	0.0026 B	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
SB-23-1																										
	12/17/2004	0-2	na	na	na	na	na	na	na	na	0.0062 B	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
SB-23-2																										
	12/17/2004	0-2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	2-4	na	na	na	na	na	na	na	na	0.0035 B	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	4-6	na	na	na	na	na	na	na	na	0.0056 B	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
SB-23-3																										
	12/17/2004	0-2	na	na	na	na	na	na	na	na	0.0097 B	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	2-4	na	na	na	na	na	na	na	na	0.01	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	4-6	na	na	na	na	na	na	na	na	0.0055 B	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
SB2-4																										
	12/30/1997	2-4	0.010 U	na	2.84	na	na	na	0.0010 U	na	0.071	na	0.063	na	0.0223	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.681	na
SB-25																										
	1/21/1998	4-7.5	0.010 U	na	1.86	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0547	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.528	na
	POLLUTANT MOBILITY CRITERIA	GAPMC	0.05	0.05	1	1	12.6	12.6	0.005	0.005	0.05	0.05	1.3	1.3	0.015	0.015	0.002	0.002	0.1	0.1	0.05	0.05	0.036	0.036	5	5
		GBPMC	0.5	0.5	10	10	126	126	0.05	0.05	0.5	0.5	13	13	0.15	0.15	0.02	0.02	1	1	0.5	0.5	0.36	0.36	50	50

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Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic		Barium		Boron		Cadmium		Chromium		Copper		Lead		Mercury		Nickel		Selenium		Silver		Zinc	
			SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP
SB-26																										
	1/23/1998	4-6	0.023	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0064	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.137	na
SB2-6																										
	12/31/1997	2-4	0.010 U	na	1.41	na	na	na	0.0010 U	na	0.064	na	0.050 U	na	0.0195	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.357	na
SB-3																										
	1/14/1998	4-6	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0181	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.116	na
SB-40																										
	3/24/1998	0-2	0.004 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0189	na	0.0004 U	na	na	na	0.010 U	na	0.030 U	na	na	na
SB-40-0																										
	12/17/2004	2-4	na	na	na	na	na	na	na	na	na	na	na	na	0.018	na	na	na	na	na	na	na	na	na	na	na
	2/10/2005	4-5.1	na	na	na	na	na	na	na	na	na	na	na	na	0.019	na	na	na	na	na	na	na	na	na	na	na
SB-40-01																										
	12/17/2004	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.023	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	2-4	na	na	na	na	na	na	na	na	na	na	na	na	0.014 B	na	na	na	na	na	na	na	na	na	na	na
SB-40-02																										
	12/17/2004	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.042	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	2-4	na	na	na	na	na	na	na	na	na	na	na	na	0.24	na	na	na	na	na	na	na	na	na	na	na
SB-40-03																										
	12/17/2004	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.028	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	2-4	na	na	na	na	na	na	na	na	na	na	na	na	0.0017	na	na	na	na	na	na	na	na	na	na	na
SB-40-04																										
	12/17/2004	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.036	na	na	na	na	na	na	na	na	na	na	na
	12/17/2004	2-4	na	na	na	na	na	na	na	na	na	na	na	na	0.014	na	na	na	na	na	na	na	na	na	na	na
SB-40-05																										
	2/10/2005	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.017	na	na	na	na	na	na	na	na	na	na	na
	2/10/2005	2-4	na	na	na	na	na	na	na	na	na	na	na	na	0.0058	na	na	na	na	na	na	na	na	na	na	na
SB-40-06																										
	2/10/2005	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.023	na	na	na	na	na	na	na	na	na	na	na
	2/10/2005	2-2.8	na	na	na	na	na	na	na	na	na	na	na	na	0.019	na	na	na	na	na	na	na	na	na	na	na
SB-40-07																										
	2/10/2005	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.0037	na	na	na	na	na	na	na	na	na	na	na
SB-40-08																										
	2/10/2005	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.058	na	na	na	na	na	na	na	na	na	na	na
	2/10/2005	2-4	na	na	na	na	na	na	na	na	na	na	na	na	0.030 U	na	na	na	na	na	na	na	na	na	na	na
SB-40-09																										
	2/10/2005	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.025	na	na	na	na	na	na	na	na	na	na	na
	2/10/2005	2-4	na	na	na	na	na	na	na	na	na	na	na	na	0.024	na	na	na	na	na	na	na	na	na	na	na
	POLLUTANT MOBILITY CRITERIA	GAPMC	0.05	0.05	1	1	12.6	12.6	0.005	0.005	0.05	0.05	1.3	1.3	0.015	0.015	0.002	0.002	0.1	0.1	0.05	0.05	0.036	0.036	5	5
		GBPMC	0.5	0.5	10	10	126	126	0.05	0.05	0.5	0.5	13	13	0.15	0.15	0.02	0.02	1	1	0.5	0.5	0.36	0.36	50	50

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Boring	Sample Date	Depth Below Grade (feet)	Arsenic		Barium		Boron		Cadmium		Chromium		Copper		Lead		Mercury		Nickel		Selenium		Silver		Zinc	
			SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP
SB-40-10																										
	2/10/2005	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.0053	na	na	na	na	na	na	na	na	na	na	na
	2/10/2005	2-2.6	na	na	na	na	na	na	na	na	na	na	na	na	0.036 U	na	na	na	na	na	na	na	na	na	na	na
SB-40-12																										
	2/10/2005	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.024	na	na	na	na	na	na	na	na	na	na	na
	2/10/2005	2-4	na	na	na	na	na	na	na	na	na	na	na	na	0.011	na	na	na	na	na	na	na	na	na	na	na
SB-40-13																										
	2/10/2005	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.020	na	na	na	na	na	na	na	na	na	na	na
	2/10/2005	2-4	na	na	na	na	na	na	na	na	na	na	na	na	0.012	na	na	na	na	na	na	na	na	na	na	na
SB-40-14																										
	2/10/2005	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.015	na	na	na	na	na	na	na	na	na	na	na
	2/10/2005	2-4	na	na	na	na	na	na	na	na	na	na	na	na	0.047	na	na	na	na	na	na	na	na	na	na	na
	2/10/2005	4-6	na	na	na	na	na	na	na	na	na	na	na	na	0.014	na	na	na	na	na	na	na	na	na	na	na
SB-40-16																										
	2/10/2005	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.034	na	na	na	na	na	na	na	na	na	na	na
SB-40-17																										
	2/10/2005	0-2	na	na	na	na	na	na	na	na	na	na	na	na	0.0012	na	na	na	na	na	na	na	na	na	na	na
	2/10/2005	2-4	na	na	na	na	na	na	na	na	na	na	na	na	0.015	na	na	na	na	na	na	na	na	na	na	na
	2/10/2005	4-6	na	na	na	na	na	na	na	na	na	na	na	na	0.016	na	na	na	na	na	na	na	na	na	na	na
SB4-11																										
	1/5/1998	0-2	0.010 U	na	1.33	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0108	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.290	na
SB4-7																										
	1/6/1998	6-8	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.137	na
SB4-8																										
	12/31/1997	6-8	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.771	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.057	na
SB5-2																										
	12/30/1996	6-8	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.050 U	na
SB5-3																										
	1/6/1997	2-4	0.010 U	na	1.00 U	na	0.1	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0096	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.056	na
SB5-4																										
	1/6/1997	6-8	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0051	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.050 U	na
SB5-6																										
	12/30/1996	2-4	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0165	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.050 U	na
	12/30/1996	6-8	0.010 U	na	1.03	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0506	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.083	na
SB-6																										
	1/28/1998	2-4	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0177	na	0.0012 J	na	0.10 U	na	0.010 U	na	0.030 U	na	0.088	na
SB6-1																										
	1/14/1997	4-6	0.010 U	na	1.00 U	na	0.1	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.084	na
	POLLUTANT MOBILITY CRITERIA	GAPMC	0.05	0.05	1	1	12.6	12.6	0.005	0.005	0.05	0.05	1.3	1.3	0.015	0.015	0.002	0.002	0.1	0.1	0.05	0.05	0.036	0.036	5	5
		GBPMC	0.5	0.5	10	10	126	126	0.05	0.05	0.5	0.5	13	13	0.15	0.15	0.02	0.02	1	1	0.5	0.5	0.36	0.36	50	50

TABLE 9
METALS SPLP TCLP RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic		Barium		Boron		Cadmium		Chromium		Copper		Lead		Mercury		Nickel		Selenium		Silver		Zinc	
			SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP
SB6-2																										
	1/13/1997	2-4	0.013	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.053	na	0.050 U	na	0.11	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.050 U	na
SB6-5																										
	1/13/1997	2-4	0.010 U	na	1.00 U	na	0.1	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0064	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.096	na
SB7-1																										
	1/15/1997	0-2	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.071	na
SB7-2																										
	1/15/1997	2-4	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0641	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.111	na
SB-8																										
	1/27/1998	2-4	0.004 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0058	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.109	na
	1/27/1998	6-8	0.004 U	na	1.00 U	na	na	na	0.0088	na	0.050 U	na	na	na	0.0050 U	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.118	na
SB8-10																										
	1/7/1998	2-4	0.004 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0050 U	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.094	na
SB8-12																										
	1/6/1998	2-4	0.006	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0144	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.077	na
SB8-13																										
	12/26/1997	0-2	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.099	na
	12/26/1997	4-6	0.004 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0050 U	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.106	na
SB8-15																										
	1/7/1998	4-6	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.094	na
SB8-16																										
	12/26/1997	2-4	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.144	na
SB8-19																										
	1/7/1998	2-4	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0106	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.377	na
SB8-2																										
	12/27/1996	0-2	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0075	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.050 U	na
SB8-20																										
	1/21/1998	6-8	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.064	na
SB8-22																										
	1/7/1998	2-4	0.010 U	na	1.00 U	na	na	na	0.0015	na	0.050 U	na	0.050 U	na	0.0299	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.118	na
SB8-23																										
	1/13/1998	4-8	0.004 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0050 U	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.117	na
SB8-24																										
	1/13/1998	0-2	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0177	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.093	na
	1/13/1998	4-6	0.004 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0050 U	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.077	na
SB8-26																										
	1/20/1998	0-2	0.010 U	na	1.00 U	na	na	na	0.0020	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.183	na
	POLLUTANT MOBILITY CRITERIA	GAPMC	0.05	0.05	1	1	12.6	12.6	0.005	0.005	0.05	0.05	1.3	1.3	0.015	0.015	0.002	0.002	0.1	0.1	0.05	0.05	0.036	0.036	5	5
		GBPMC	0.5	0.5	10	10	126	126	0.05	0.05	0.5	0.5	13	13	0.15	0.15	0.02	0.02	1	1	0.5	0.5	0.36	0.36	50	50

TABLE 9
METALS SPLP TCLP RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic		Barium		Boron		Cadmium		Chromium		Copper		Lead		Mercury		Nickel		Selenium		Silver		Zinc	
			SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP
SB8-5																										
	12/27/1996	4-6	0.010 U	na	1.00 U	na	0.2	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0181	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.054	na
SB8-7																										
	12/27/1996	4-6	0.010 U	na	1.00 U	na	0.2	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0063 U	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.063	na
SB8-9																										
	1/2/1997	2-4	0.010 U	na	1.00 U	na	0.2	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0241	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.134	na
SB-9																										
	1/28/1998	4-8	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.050 U	na
SB9-12																										
	2/2/1998	0-2	0.014	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0066	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.133	na
SB9-13																										
	2/2/1998	0-2	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.111	na
SB9-15																										
	2/4/1998	0-4	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.143	na
SB9-16																										
	2/2/1998	2-4	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.082	na
SB9-17																										
	3/25/1998	2-4	0.004 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0050 U	na	0.0004 U	na	na	na	0.010 U	na	0.030 U	na	na	na
SB9-3																										
	1/14/1997	0-2	0.011	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0082	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.066	na
	1/14/1997	2-4	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.170	na
SB9-4																										
	1/14/1997	2-4	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.133	na
SB9-5																										
	1/15/1997	2-4	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.050 U	na
SB9-6																										
	2/2/1998	0-2	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0056 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.091	na
SB9-7																										
	2/2/1998	2-4	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0125	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.110	na
	2/2/1998	4-6	0.004 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0050 U	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.148	na
SB9-9																										
	2/2/1998	2-4	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0077	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.270	na
SBA-11																										
	1/30/1998	2-4	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.062	na
SBA-2																										
	1/13/1997	2-4	0.010 U	na	1.00 U	na	0.1	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0553	na	0.0020 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.126	na
SBA-3																										
	1/10/1997	2-4	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0030	na	0.10 U	na	0.010 U	na	0.030 U	na	0.051	na
	POLLUTANT MOBILITY CRITERIA	GAPMC	0.05	0.05	1	1	12.6	12.6	0.005	0.005	0.05	0.05	1.3	1.3	0.015	0.015	0.002	0.002	0.1	0.1	0.05	0.05	0.036	0.036	5	5
		GBPMC	0.5	0.5	10	10	126	126	0.05	0.05	0.5	0.5	13	13	0.15	0.15	0.02	0.02	1	1	0.5	0.5	0.36	0.36	50	50

TABLE 9
METALS SPLP TCLP RESULTS FOR VADOSE ZONE SOILS
Broad Brook Mill Site, East Windsor, CT

Boring	Sample Date	Depth Below Grade (feet)	Arsenic		Barium		Boron		Cadmium		Chromium		Copper		Lead		Mercury		Nickel		Selenium		Silver		Zinc	
			SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP	SPLP	TCLP
SBA-6																										
	2/3/1998	2-4	0.004 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0050 U	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.076	na
SBA-7																										
	2/3/1998	2-4	0.004 U	na	1.11 U	na	na	na	0.0010 U	na	0.050 U	na	na	na	0.0119	na	0.0004 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.075	na
SBA-8																										
	2/3/1998	2-4	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0052	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.116	na
SBA-9																										
	2/4/1998	6-8	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.081	na
SBMW-14-1																										
	12/30/1997	6-8	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.050 U	na
SBMW-20-1																										
	1/6/1998	2-4	0.010 U	na	1.00 U	na	na	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0215	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.117	na
SBSC-5																										
	2/4/1998	6-8	0.010 U	na	2.51	na	na	na	0.0010 U	na	0.064	na	0.072	na	0.0323	na	0.0010 UJ	na	0.10 U	na	0.010 U	na	0.030 U	na	0.686	na
SBSC-6																										
	5/11/2005	2-4	0.0023 U	na	0.070 B	na	0.038 B	na	0.00031 U	na	0.0040 B	na	0.0065 B	na	0.0019 U	na	0.000067 U	na	0.0029 B	na	0.0027 U	na	0.00053 U	na	0.014 B	na
	5/11/2005	4-6	0.0024 B	na	0.11 B	na	0.045 B	na	0.00031 U	na	0.0097 B	na	0.015 B	na	0.0069	na	0.000067 U	na	0.0082 B	na	0.0027 U	na	0.00053 U	na	0.035	na
SP1																										
	10/27/1994	-	na	na	na	0.69	na	na	na	0.01	na	0.02	na	0.01	na	0.01	na	na	na	0.11	na	na	na	0.01	na	0.13
SP2																										
	10/27/1994	-	na	na	na	0.51	na	na	na	0.01	na	0.01	na	na	na	na	na	na	na	0.05	na	na	na	na	na	0.12
SS-5																										
	12/18/1997	0.13-0.38	0.010 U	na	1.00 U	na	0.1 U	na	0.0010 U	na	0.050 U	na	0.050 U	na	0.0050 U	na	0.0010 U	na	0.10 U	na	0.010 U	na	0.030 U	na	0.058	na
SS-6																										
	1/21/1998	0.5-1	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0.0013 J	na	na	na	na	na	na	na	na	na
SS-6-5																										
	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0.0016 J	na	na	na	na	na	na	na	na	na
SS-6-8																										
	1/21/1998	0.08-0.42	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0.0005 UJ	na	na	na	na	na	na	na	na	na

Notes:
Concentrations are reported in mg/L (ppm).
U = compound was not detected at the indicated concentration.
B = analyte also present in laboratory method blank.
J = estimated value.
na = not analyzed.
- = data not collected/not available.
TCLP/SPLP were not conducted for Antimony, Beryllium, Thallium, and Vanadium.
The polluted fill exemption in the CT RSRs is being applied to metal PMC exceedances at the Site, therefore exceedances of GA PMC and GB PMC are not highlighted in this table.

POLLUTANT MOBILITY CRITERIA	GAPMC	0.05	0.05	1	1	12.6	12.6	0.005	0.005	0.05	0.05	1.3	1.3	0.015	0.015	0.002	0.002	0.1	0.1	0.05	0.05	0.036	0.036	5	5
	GBPMC	0.5	0.5	10	10	126	126	0.05	0.05	0.5	0.5	13	13	0.15	0.15	0.02	0.02	1	1	0.5	0.5	0.36	0.36	50	50

TABLE 10
MONITORING WELL LOCATIONS AND CONSTRUCTION DETAILS
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Installation Date	Screen Length (ft)	Approximate Screened Interval (ft TOC)	Coordinates Northing	Coordinates Easting	TOC Elevation (ft MSL)	Top of Screen (ft MSL)	Bottom of Screen (ft MSL)	Depth to Bedrock (ft TOC)	Bedrock Elevation (ft MSL)
MW-01	8/27/1993	10	2.0 - 12.0	394,874.62	654,899.61	62.42	60.42	50.42	-	-
MW-02	8/27/1993	10	5.0 - 15.0	394,602.82	654,906.21	64.24	59.24	49.24	-	-
MW-03	8/27/1993	10	5.0 - 15.0	394,513.08	654,860.09	63.20	58.20	48.20	-	-
MW-04	8/30/1993	10	5.0 - 15.0	394,495.46	655,068.36	66.97	61.97	51.97	-	-
MW-05	8/30/1993	10	5.0 - 15.0	394,298.22	654,859.19	63.50	58.50	48.50	-	-
MW-06	10/17/1996	10	6.0 - 16.0	394,143.38	655,239.61	76.59	70.59	60.59	15.5	61.09
MW-07	10/17/1996	10	4.0 - 14.0	394,514.51	655,223.79	71.90	67.90	57.90	14	57.90
MW-08	10/18/1996	3.5	4.0 - 7.5	394,878.02	655,242.40	73.98	69.98	66.48	6	67.98
MW-09	10/18/1996	10	7.0 - 17.0	394,777.57	655,047.42	65.36	58.36	48.36	18	47.36
MW-10	1/3/1997	9	8.0 - 17.0	394,881.45	655,115.25	67.29	59.29	50.29	-	-
MW-11D	12/30/1996	5	14.0 - 19.0	394,159.27	654,752.05	57.96	43.96	38.96	18.25	39.71
MW-11S	12/30/1996	10	4.0 - 14.0	394,165.25	654,756.36	58.15	54.15	44.15	-	-
MW-12	1/9/1998	10	7.0 - 17.0	394,311.07	654,774.37	60.27	53.27	43.27	17.25	43.02
MW-13D	1/8/1998	5	25.0 - 30.0	394,378.04	655,005.59	67.60	42.60	37.60	30.5	37.10
MW-13S	1/8/1998	10	5.0 - 15.0	394,380.24	655,008.09	68.20	63.20	53.20	-	-
MW-14	12/31/1997	10	5.0 - 15.0	394,590.31	655,191.30	71.54	66.54	56.54	15.5	56.04
MW-15	1/15/1998	7	7.0 - 14.0	394,832.69	655,176.52	69.38	62.38	55.38	12.5	56.88
MW-16	1/15/1998	7	7.0 - 14.0	394,890.75	655,165.13	69.07	62.07	55.07	12	57.07
MW-17D	1/5/1998	5	25.0 - 30.0	394,777.92	654,951.30	63.03	38.03	33.03	32.5	30.53

TABLE 10
MONITORING WELL LOCATIONS AND CONSTRUCTION DETAILS
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Installation Date	Screen Length (ft)	Approximate Screened Interval (ft TOC)	Coordinates Northing	Coordinates Easting	TOC Elevation (ft MSL)	Top of Screen (ft MSL)	Bottom of Screen (ft MSL)	Depth to Bedrock (ft TOC)	Bedrock Elevation (ft MSL)
MW-17S	1/15/1998	10	5.0 - 15.0	394,779.49	654,956.61	63.06	58.06	48.06	-	-
MW-18D	1/14/1998	5	19.0 - 24.0	394,655.56	654,875.21	64.79	45.79	40.79	24.5	40.29
MW-18S	1/15/1998	10	5.0 - 15.0	394,653.43	654,871.89	64.84	59.84	49.84	-	-
MW-19	12/24/1997	10	4.0 - 14.0	394,582.65	655,080.67	67.16	63.16	53.16	18	49.16
MW-20	1/21/1998	10	6.0 - 16.0	394,765.30	655,156.49	68.69	62.69	52.69	20	48.69
MW-21	1/2/1998	7	4.0 - 11.0	394,442.95	655,233.97	71.63	67.63	60.63	11	60.63
MW-22	1/20/1998	10	6.0 - 16.0	394,407.11	654,831.99	62.75	56.75	46.75	18.5	44.25
MW-23D	1/12/1998	5	17.2 - 22.2	394,512.01	654,840.64	63.40	46.20	41.20	22.25	41.15
MW-23S	1/12/1998	10	5.0 - 15.0	394,516.45	654,840.82	63.34	58.34	48.34	-	-
MW-24BR	2/24/1998	10	34.5 - 44.5	394,399.96	655,008.45	67.54	33.04	23.04	29	38.54
MW-25	1/14/1998	9	2.0 - 11.0	394,962.21	655,091.92	63.71	61.71	52.71	13	50.71
MW-26	2/10/1998	3	2.5 - 5.5	394,964.34	655,185.25	62.05	59.55	56.55	5.5	56.55
MW-27D	1/13/1998	5	16.0 - 21.0	394,823.96	655,044.83	66.05	50.05	45.05	21	45.05
MW-27S	1/13/1998	10	5.0 - 15.0	394,826.52	655,046.02	66.27	61.27	51.27	-	-
MW-28	12/31/1997	10	5.0 - 15.0	394,630.27	655,089.12	66.79	61.79	51.79	17	49.79
MW-29BR	2/20/1998	10	27.6 - 37.6	394,566.14	655,058.90	66.58	38.98	28.98	21.5	45.08
MW-30BR	2/19/1998	10	35.5 - 45.5	394,562.45	654,982.79	65.50	30.00	20.00	29	36.50
MW-31BR	2/25/1998	10	27.5 - 37.5	394,516.52	654,869.26	64.04	36.54	26.54	22.5	41.54
MW-32	3/23/1998	9	4.8 - 13.8	394,485.65	654,835.33	62.05	57.25	48.25	-	-

TABLE 10
MONITORING WELL LOCATIONS AND CONSTRUCTION DETAILS
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Installation Date	Screen Length (ft)	Approximate Screened Interval (ft TOC)	Coordinates Northing	Coordinates Easting	TOC Elevation (ft MSL)	Top of Screen (ft MSL)	Bottom of Screen (ft MSL)	Depth to Bedrock (ft TOC)	Bedrock Elevation (ft MSL)
MW-33	3/23/1998	9	4.0 - 13.0	394,745.55	655,024.47	64.88	60.88	51.88	-	-
MW-34	3/23/1998	9	5.0 - 14.0	394,639.96	654,992.43	65.65	60.65	51.65	-	-
MW-35D	11/13/2003	10	20.0 - 30.0	394,952.93	654,950.79	65.34	45.34	35.34	30	35.34
MW-35S	11/13/2003	10	9.0 - 19.0	394,956.40	654,950.10	65.39	56.39	46.39	-	-
PZ-1	11/14/2003	10	9.0 - 19.0	394,469.65	654,819.49	63.24	54.24	44.24	-	-
PZ-2	11/14/2003	10	9.0 - 19.0	394,703.22	654,830.50	64.38	55.38	45.38	-	-

Notes:
Well coordinates (Northing and Easting) and top of casing (TOC) elevation data was obtained from Pudeler Engineering survey work (November 2003) and previous survey work by Loureiro Engineering Associates (LEA).
ft TOC = feet below top of casing.
ft MSL = feet above mean sea level.
- = data not collected/not available.

TABLE 11
GROUNDWATER SAMPLING PLAN FROM NOVEMBER 2003 TO DATE
Broad Brook Mill Site, East Windsor, CT

Well ID	Quarterly Sampling (November 2003 through August 2004)				November 2004 Sampling (Confirmatory Sampling, SWPC Data, GW Remedy)						Quarterly Sampling (November 2004 through August 2005)		February and May 2005 Sampling	Voluntary Sampling for GW Remedy (January 2006)						Voluntary Sampling for GW Remedy (November 2008)						
	VOCs	SVOCs	TPH	Metals	SVOCs	TPH	As	Cd	Cr	Pb	Antimony	Thallium	1,4-Dioxane	VOCs	SVOCs	TPH	Cd	Cr	Pb	VOCs	SVOCs	TPH	Cd	Cr	Pb	1,4-Dioxane
1	X	X	X	X		X	X				X	X				X										
2	X	X	X	X			X				X				X											
3	X	X	X	X			X	X	X		X	X		X		X	X	X		X		X	X	X		X
4	X	X	X	X							X			X						X						X
5	X	X	X	X			X				X															
6	X	X	X	X	X						X	X			X						X					
7	X	X	X	X																						
8	X	X	X	X																						
9	X	X	X	X			X						X	X						X						X
10	X	X	X	X			X		X	X		X			X			X			X			X		
11S	X	X	X	X			X																			
11D	X	X	X	X			X				X															
12	X	X	X	X			X				X															
13S	X	X	X	X			X																			
13D	X	X	X	X																						
14	X	X	X	X										X												
15	X	X	X	X																						
16	X	X	X	X			X							X						X						X
17S	X	X	X	X			X				X															
17D	X	X	X	X			X				X	X														
18S	X	X	X	X			X	X				X					X									
18D	X	X	X	X			X				X															
19	X	X	X	X								X		X						X						X
20	X	X	X	X					X		X	X						X						X		
21	X	X	X	X			X					X		X												
22	X	X	X	X			X				X	X														
23S	X	X	X	X			X		X				X	X				X		X				X		X
23D	X	X	X	X			X						X	X						X						X
24BR	X	X	X	X																						
25	X	X	X	X																						
26	X	X	X	X							X															
27S	X	X	X	X			X				X			X												
27D	X	X	X	X			X							X												
28	X	X	X	X										X	X	X				X	X	X				X
29BR	X	X	X	X							X															
30BR	X	X	X	X								X														
31BR	X	X	X	X							X															
32	X	X	X	X			X		X					X				X		X				X		X
33	X	X	X	X			X		X	X	X			X				X	X	X				X	X	X
34	X	X	X	X			X				X			X												
35S	X	X	X	X																						
35D	X	X	X	X									X	X	X					X	X					X

TABLE 12
GROUNDWATER SAMPLING PARAMETERS
Broad Brook Mill Site, East Windsor, CT

Parameter	Analytical Method
Field parameters: • Conductivity • Dissolved Oxygen (DO) • Oxidation Reduction Potential (ORP) • pH • Temperature	Field measurements via electrodes
Volatile Organic Compounds (VOCs)	EPA 8260B
Semi-Volatile Organic Compounds (SVOCs)	EPA 8270C
Total Petroleum Hydrocarbon (TPH)	EPA 8100
Metals	
• Trace Metals (except Arsenic)	EPA 6010B
• Arsenic	EPA 7060A
• Mercury	EPA 7470A

Notes:
Above parameters were sampled at monitoring well locations as specified in Table 11.

TABLE 13
GROUNDWATER FIELD PARAMETER DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	pH	Temperature (°C)
MW-01						
	1/7/1997	-	-	-	6.41	-
	2/6/1998	689	-	-	7.10	-
	11/12/2003	710	0.74	-41.5	6.83	12.1
	2/25/2004	434	0.87	-83.9	7.32	4.6
	5/13/2004	735	0.39	-73.9	6.79	10.3
	8/4/2004	858	0.72	-81.0	6.03	16.2
	11/16/2004	873	4.45	39.6	6.88	11.1
	2/10/2005	732	3.19	29.4	6.70	5.2
	5/12/2005	553	0.37	-74.0	6.84	10.4
	8/9/2005	660	0.12	-85.0	6.78	16.9
	1/11/2006	570	1.54	-39.6	6.96	7.2
MW-02						
	1/7/1997	-	-	-	6.36	-
	2/6/1998	490	-	-	6.60	-
	11/12/2003	583	4.66	68.4	6.99	12.4
	2/26/2004	718	0.97	-81.9	7.13	7.8
	5/12/2004	514	0.18	-42.6	6.53	12.7
	8/4/2004	642	3.68	113.0	6.13	15.9
	11/17/2004	760	0.08	-76.9	6.81	11.8
	2/9/2005	1,003	0.53	-76.3	6.90	7.8
	5/11/2005	697	0.10	-111.0	6.90	9.6
	8/10/2005	444	0.38	-91.9	6.62	16.9
	1/11/2006	357	0.16	-46.1	7.10	9.3
MW-03						
	1/7/1997	-	-	-	6.85	-
	2/6/1998	402	-	-	6.90	-
	3/13/1998	160	-	-	7.10	-
	11/12/2003	601	0.57	155.9	6.55	12.8
	2/25/2004	4,908 *	5.54	82.1	6.82	6.7
	5/12/2004	383	0.57	125.6	5.86	14.4
	8/5/2004	466	0.17	-95.3	6.32	13.4
	11/17/2004	856	1.27	-32.5	6.52	12.6
	2/8/2005	766	1.05	-2.3	6.53	9.2
	5/11/2005	454	1.20	-46.0	6.66	10.7
	8/10/2005	571	0.86	-3.6	6.41	17.2
	1/11/2006	459	1.78	69.9	6.77	8.9

TABLE 13
GROUNDWATER FIELD PARAMETER DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	pH	Temperature (°C)
MW-04						
	1/7/1997	-	-	-	6.36	-
	2/4/1998	169	-	-	4.00	-
	11/14/2003	198	0.93	129.9	6.70	11.4
	2/26/2004	75	9.82 **	177.4	7.33	3.8
	5/12/2004	193	2.95	609.0	5.74	13.7
	8/2/2004	191	0.60	-366.0	5.57	17.1
	11/17/2004	244	3.94	235.2	6.24	13.4
	2/9/2005	234	4.70	201.5	6.35	7.4
	5/10/2005	255	13.76	240.0	6.47	11.7
	8/9/2005	187	0.56	94.9	6.28	17.1
	1/11/2006	154	5.27	91.2	6.74	7.7
MW-05						
	1/7/1997	-	-	-	7.00	-
	2/4/1998	351	-	-	6.90	-
	11/14/2003	691	1.43	114.5	7.24	12.8
	2/25/2004	675	0.99	20.1	7.63	8.1
	5/10/2004	843	0.55	-11.0	6.11	12.1
	8/4/2004	907	0.28	-40.7	6.71	16.9
	11/16/2004	379	0.25	201.0	7.12	14.0
	2/9/2005	1,070	2.36	66.4	6.87	7.7
	5/12/2005	717	0.54	-68.0	6.84	12.0
	8/9/2005	768	0.45	57.7	6.81	19.7
MW-06						
	1/7/1997	343	-	-	7.50	-
	2/4/1998	218	-	-	6.30	-
	11/12/2003	482	2.33	196.3	5.96	12.3
	2/24/2004	459	4.32	281.4	6.82	8.7
	5/11/2004	486	4.56	421.0	6.16	11.7
	8/3/2004	432	3.54	267.0	5.62	13.3
	11/16/2004	249	2.99	3.8	6.06	12.3
	2/10/2005	736	5.26	229.9	6.04	7.4
	5/10/2005	696	5.52	242.0	6.18	9.8
	8/10/2005	348	3.80	-6.1	6.27	12.5
	1/11/2006	410	3.76	150.1	6.26	9.3
MW-07						
	1/7/1997	-	-	-	6.63	-
	2/6/1998	450	-	-	6.90	-
	11/11/2003	1,050	2.92	157.2	6.83	11.8
	2/24/2004	975	0.36	303.3	7.88	6.3
	5/11/2004	997	1.96	424.0	6.84	14.6
	8/3/2004	769	1.90	477.0	5.02	19.0

TABLE 13
GROUNDWATER FIELD PARAMETER DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	pH	Temperature (°C)
MW-08						
	11/12/2003	Well dry - No Sample Collected		-	-	-
	2/24/2004	Well dry - No Sample Collected		-	-	-
	5/12/2004	Well dry - No Sample Collected		-	-	-
	8/3/2004	Well dry - No Sample Collected		-	-	-
MW-09						
	1/7/1997	-	-	-	6.69	-
	2/6/1998	600	-	-	6.60	-
	11/12/2003	659	1.21	129.0	6.60	15.6
	2/25/2004	531	6.60	273.0	7.36	10.3
	5/11/2004	503	3.40	589.4	6.28	15.6
	8/4/2004	467	3.11	472.0	6.46	18.4
	11/16/2004	499	5.16	169.2	7.27	15.4
	2/7/2005	469	8.4	131.5	6.79	9.7
	5/10/2005	507	3.91	462.4	6.48	13.8
	1/12/2006	454	4.16	166.0	6.74	11.6
MW-10						
	2/6/1998	370	-	-	7.60	-
	3/12/1998	470	-	-	7.10	-
	11/12/2003	786	2.81	144.3	6.97	15.3
	2/24/2004	678	4.00 **	44.9	7.67	9.8
	5/12/2004	659	2.31	514.0	6.58	15.6
	8/3/2004	763	3.24	445.2	6.36	17.4
	11/17/2004	853	2.26	173.7	6.91	13.3
	2/10/2005	1,033	3.16	74.9	7.01	9.0
	5/11/2005	542	2.60	278.2	6.87	10.9
	8/9/2005	611	2.41	93.8	6.96	17.5
	1/11/2006	678	1.76	138.2	7.01	10.3
MW-11D						
	1/7/1997	-	-	-	8.10	-
	2/4/1998	349	-	-	8.10	-
	11/17/2003	366	6.36	72.5	8.01	13.7
	2/24/2004	207	7.48	3.1	8.79	9.3
	5/13/2004	301	6.47	280.0	7.75	13.3
	8/3/2004	352	6.49	519.8	7.28	16.8
	11/17/2004	390	4.39	329.2	8.00	13.6
	2/9/2005	494	4.86	144.2	8.03	9.4
	5/11/2005	337	7.07	92.0	8.05	12.9
	8/9/2005	311	6.08	70.3	7.98	16.5

TABLE 13
GROUNDWATER FIELD PARAMETER DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	pH	Temperature (°C)
MW-11S						
	1/7/1997	-	-	-	7.00	-
	2/4/1998	258	-	-	6.90	-
	11/14/2003	248	0.44	23.0	6.99	13.3
	2/24/2004	132	0.29	0.2	7.78	7.2
	5/10/2004	227	0.31	19.2	6.88	12.9
	8/3/2004	324	0.68	187.1	6.35	19.9
	11/17/2004	355	1.73	230.2	6.76	14.9
MW-12						
	2/9/1998	428	-	-	7.10	-
	3/12/1998	380	-	-	7.20	-
	11/17/2003	632	0.63	-78.9	6.72	12.1
	2/25/2004	601	1.01	-70.2	7.16	5.8
	5/12/2004	513	0.72	-91.0	6.11	14.5
	8/4/2004	449	1.16	469.2	6.36	15.2
	11/16/2004	383	0.34	76.5	6.46	11.9
	2/7/2005	670	0.53	17.7	6.46	9.5
	5/11/2005	465	0.24	-92.0	6.61	11.9
	8/9/2005	333	4.11	94.1	7.08	17.7
MW-13D						
	2/6/1998	905	-	-	7.60	-
	3/11/1998	760	-	-	7.20	-
	11/13/2003	991	3.59	149.6	7.11	12.9
	2/23/2004	931	7.49	111.3	7.05	11.8
	5/11/2004	869	3.46	107.6	6.87	14.0
	8/4/2004	896	3.56	312.7	6.44	15.1
MW-13S						
	2/6/1998	599	-	-	5.90	-
	3/11/1998	410	-	-	6.14	-
	11/17/2003	674	0.50	-44.5	6.31	14.1
	2/23/2004	706	0.94	74.0	6.33	10.6
	5/11/2004	583	2.43	11.2	6.36	16.8
	8/4/2004	647	0.58	406.7	5.84	16.6
	11/18/2004	730	1.65	104.5	6.17	15.0
MW-14						
	2/6/1998	410	-	-	6.40	-
	3/12/1998	350	-	-	6.60	-
	11/11/2003	965	2.84	162.0	6.56	12.4
	2/24/2004	854	2.68	314.6	7.65	8.3
	5/11/2004	897	4.46	306.0	6.71	14.1
	8/3/2004	1,101	2.97	604.0	3.43	18.1
	1/11/2006	988	5.34	207.7	6.70	10.1

TABLE 13
GROUNDWATER FIELD PARAMETER DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	pH	Temperature (°C)
MW-15						
	2/6/1998	460	-	-	7.20	-
	3/12/1998	450	-	-	7.30	-
	11/12/2003	572	7.01	222.2	7.00	14.1
	2/25/2004	690	5.26	197.1	7.72	7.5
	5/12/2004	484	7.34	290.0	7.15	10.4
	8/3/2004	685	2.38	277.1	6.85	15.6
MW-16						
	2/6/1998	410	-	-	6.90	-
	3/12/1998	270	-	-	6.90	-
	11/12/2003	449	7.61	186.2	6.74	15.1
	2/24/2004	349	10.52	91.6	7.46	9.0
	5/12/2004	303	6.88	593.1	6.23	13.3
	8/3/2004	389	6.82	571.7	5.74	17.7
	11/17/2004	399	6.89	214.0	6.56	15.4
	1/11/2006	242	9.2	112.9	7.05	8.8
MW-17D						
	2/9/1998	160	-	-	7.30	-
	3/11/1998	110	-	-	8.10	-
	11/13/2003	150	5.08	98.4	7.98	12.7
	2/24/2004	121	7.60	171.2	8.46	8.8
	5/12/2004	134	5.10	503.3	7.32	14.1
	8/3/2004	163	5.63	482.1	6.53	17.8
	11/16/2004	77	3.57	344.2	7.88	13.2
	2/8/2005	220	4.71	80.1	7.38	10.6
	5/12/2005	160	4.09	63.0	7.51	12.1
	8/9/2005	140	5.05	201.0	7.95	15.5
MW-17S						
	2/9/1998	345	-	-	6.60	-
	3/11/1998	300	-	-	6.10	-
	11/13/2003	492	0.69	-30.7	6.84	13.3
	2/24/2004	281	2.96	-71.3	7.70	6.7
	5/11/2004	397	0.37	-61.5	6.34	12.5
	8/3/2004	486	0.53	223.9	5.66	17.0
	11/16/2004	236	0.88	44.6	6.88	13.1
	2/8/2005	477	3.2	-10.7	6.60	7.8
	5/11/2005	400	0.30	-122.8	6.42	12.0
	8/9/2005	417	0.15	-68.3	6.64	18.6

TABLE 13
GROUNDWATER FIELD PARAMETER DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	pH	Temperature (°C)
MW-18D						
	2/9/1998	235	-	-	7.80	-
	3/11/1998	190	-	-	7.60	-
	11/12/2003	289	8.07	147.8	7.60	12.3
	2/24/2004	160	8.39	-59.6	9.03	8.6
	5/12/2004	185	7.19	236.2	8.06	11.1
	8/4/2004	256	7.60	249.2	7.40	12.4
	11/16/2004	129	6.21	289.0	8.11	11.9
	2/9/2005	372	9.7	72.0	7.80	9.9
	5/11/2005	207	7.08	442.3	7.24	10.8
	8/9/2005	236	7.29	225.3	8.05	14.8
MW-18S						
	2/9/1998	237	-	-	6.30	-
	3/11/1998	210	-	-	5.90	-
	11/12/2003	392	0.50	-3.7	6.23	12.7
	2/24/2004	223	0.63	29.3	7.09	7.4
	5/12/2004	306	0.41	52.9	6.19	10.9
	8/4/2004	449	2.94	252.5	5.96	15.5
	11/16/2004	189	1.60	181.7	6.43	12.7
	2/9/2005	583	0.77	77.4	6.24	8.4
	5/11/2005	348	0.23	51.3	5.88	11.6
	8/9/2005	379	0.23	74.0	6.17	15.6
	1/12/2006	445	3.7	-11.5	6.62	7.1
MW-19						
	2/9/1998	320	-	-	6.90	-
	3/12/1998	-	-	-	7.10	-
	11/13/2003	522	3.96	155.0	6.80	12.7
	2/26/2004	500	3.56	248.9	7.46	8.0
	5/12/2004	428	3.34	661.0	5.32	15.6
	8/2/2004	415	3.48	-355.1	6.74	13.4
	11/16/2004	526	0.55	21.3	6.80	12.7
	2/9/2005	651	3.83	172.6	6.51	7.8
	5/10/2005	511	1.5	283.0	6.57	11.9
	8/9/2005	397	3.85	-18.9	6.89	14.5
	1/12/2006	371	4.99	107.1	6.64	10.0

TABLE 13
GROUNDWATER FIELD PARAMETER DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	pH	Temperature (°C)
MW-20						
	2/6/1998	707	-	-	6.70	-
	3/12/1998	460	-	-	7.20	-
	11/11/2003	820	2.99	148.6	6.68	13.5
	2/25/2004	748	5.27	212.5	7.32	9.8
	5/11/2004	735	6.04	581.7	6.07	14.0
	8/3/2004	700	1.59	453.5	6.11	17.0
	11/17/2004	834	0.58	212.0	6.49	15.3
	2/9/2005	947	7.52	182.4	6.61	9.9
	5/11/2005	653	5.93	275.9	6.55	11.9
	8/8/2005	778	1.72	120.9	6.65	18.6
	1/12/2006	876	5.36	188.5	6.79	11.0
MW-21						
	2/9/1998	380	-	-	6.30	-
	3/12/1998	290	-	-	6.80	-
	11/11/2003	610	2.53	156.9	6.65	10.3
	2/24/2004	444	2.26	315.8	7.39	5.6
	5/11/2004	583	2.66	491.0	6.58	13.2
	8/3/2004	857	1.96	380.0	5.91	16.8
	11/16/2004	407	1.26	316.3	6.56	10.9
	2/9/2005	710	3.31	151.3	6.53	5.9
	5/10/2005	852	3.43	214.0	6.62	10.3
	8/10/2005	926	1.41	20.1	6.56	17.9
	1/11/2006	687	4.78	240.8	6.60	7.1
MW-22						
	2/9/1998	433	-	-	6.90	-
	3/12/1998	370	-	-	6.90	-
	11/17/2003	634	0.33	-43.4	6.66	13.3
	2/25/2004	589	0.58	-67.1	7.29	8.0
	5/10/2004	557	0.25	-59.6	6.57	11.2
	8/4/2004	635	0.93	-28.0	5.50	14.7
	11/17/2004	658	3.13	-80.3	6.64	13.5
	2/8/2005	864	0.46	-45.8	6.63	9.0
	5/11/2005	647	0.08	-151.0	6.69	11.3
	8/9/2005	515	0.44	-24.6	6.59	17.6

TABLE 13
GROUNDWATER FIELD PARAMETER DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	pH	Temperature (°C)
MW-23D						
	2/9/1998	237	-	-	8.10	-
	3/11/1998	180	-	-	8.20	-
	11/13/2003	419	5.71	129.6	7.03	12.7
	2/24/2004	225	7.14	103.2	8.38	8.9
	5/12/2004	338	6.66	520.1	6.97	12.7
	8/5/2004	413	4.34	174.3	7.71	19.2
	11/17/2004	467	3.43	244.7	7.30	12.6
	2/8/2005	671	6.29	192.3	7.31	9.6
	5/10/2005	324	5.48	434.8	6.89	11.5
	1/12/2006	436	5.57	167.3	7.09	11.6
MW-23S						
	2/9/1998	397	-	-	6.90	-
	3/11/1998	310	-	-	6.80	-
	11/12/2003	467	1.64	-63.7	6.62	13.4
	2/24/2004	146	8.98	156.8	7.60	6.4
	5/12/2004	276	0.95	636.2	5.20	13.2
	8/5/2004	539	2.58	139.8	7.43	14.0
	11/17/2004	598	1.34	17.6	6.50	12.9
	2/7/2005	527	4.93	1.8	6.80	7.8
	5/10/2005	287	1.58	113.6	6.44	13.7
	1/12/2006	288	5.5	229.2	6.56	8.6
MW-24BR						
	3/6/1998	162	-	-	8.20	-
	3/13/1998	110	-	-	8.20	-
	11/14/2003	152	9.06	81.0	8.21	12.6
	2/23/2004	187	7.22	62.5	8.46	10.3
	5/11/2004	165	6.59	584.3	7.58	14.4
	8/4/2004	168	6.59	412.0	7.51	15.6
MW-25						
	2/9/1998	470	-	-	6.80	-
	3/12/1998	-	-	-	7.40	-
	11/11/2003	484	0.53	4.7	6.92	12.9
	2/24/2004	338	0.97	-59.2	7.59	5.9
	5/13/2004	266	0.36	29.3	7.05	12.4
	8/4/2004	334	0.32	-8.7	6.62	17.8

TABLE 13
GROUNDWATER FIELD PARAMETER DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	pH	Temperature (°C)
MW-26						
	3/12/1998	140	-	-	7.30	-
	11/11/2003	308	1.36	108.6	6.77	10.6
	2/26/2004	172	3.20	91.0	7.58	3.2
	5/12/2004	178	0.54	200.0	6.80	12.3
	8/4/2004	239	0.40	37.4	6.40	18.7
	11/16/2004	261	4.59	176.8	6.86	8.4
	2/10/2005	258	13.02	199.0	6.91	3.1
	5/12/2005	280	1.35	132.0	6.72	10.0
	8/10/2005	250	0.46	42.2	6.59	19.6
MW-27D						
	2/9/1998	345	-	-	6.60	-
	3/11/1998	380	-	-	7.08	-
	11/11/2003	541	0.93	111.3	7.15	14.4
	2/26/2004	531	5.09	190.5	8.00	9.8
	5/11/2004	433	4.68	459.1	7.11	16.3
	8/3/2004	521	1.40	249.3	6.43	18.3
	11/16/2004	235	0.52	365.5	7.30	15.1
	1/12/2006	521	3.3	183.5	7.23	12.2
MW-27S						
	2/9/1998	360	-	-	6.60	-
	3/11/1998	290	-	-	6.88	-
	11/11/2003	389	3.06	144.3	6.58	15.1
	2/26/2004	397	5.94	221.1	7.38	9.4
	5/11/2004	340	4.73	473.8	6.40	14.0
	8/3/2004	344	3.03	421.9	5.45	17.6
	11/16/2004	174	1.46	364.4	6.75	15.0
	2/9/2005	473	6.81	189.9	6.63	10.4
	5/10/2005	253	5.00	404.2	6.56	12.3
	8/8/2005	295	2.58	121.1	6.83	17.6
	1/12/2006	338	6.43	205.1	6.71	11.1
MW-28						
	2/9/1998	373	-	-	6.70	-
	3/12/1998	240	-	-	7.30	-
	11/13/2003	481	5.95	132.1	6.88	12.5
	2/25/2004	486	3.02	231.9	7.45	10.3
	5/12/2004	464	6.99	649.0	5.64	15.1
	8/3/2004	566	1.86	519.0	3.84	17.7
	1/12/2006	488	4.45	190.7	6.90	10.4

TABLE 13
GROUNDWATER FIELD PARAMETER DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	pH	Temperature (°C)
MW-29BR						
	3/6/1998	131	-	-	9.10	-
	3/13/1998	80	-	-	9.10	-
	11/13/2003	142	8.25	97.3	8.45	13.9
	2/26/2004	137	6.67	127.9	9.13	8.4
	5/12/2004	181	5.90	543.0	8.26	17.2
	8/2/2004	149	6.74	457.1	6.90	16.4
	11/17/2004	155	7.56	231.7	8.19	12.2
	2/9/2005	201	6.15	131.7	8.45	7.9
	5/10/2005	202	7.10	207.0	8.29	14.4
	8/9/2005	130	7.01	-70.9	8.34	17.1
MW-30BR						
	3/6/1998	155	-	-	9.06	-
	3/13/1998	100	-	-	8.90	-
	11/11/2003	158	8.65	123.8	8.44	12.3
	2/24/2004	136	3.85 **	112.1	9.27	8.5
	5/13/2004	171	6.62	528.0	7.90	15.3
	8/5/2004	224	7.64	348.0	7.98	14.3
	11/17/2004	164	6.97	52.6	8.10	12.1
	2/10/2005	206	8.66	72.1	8.26	6.5
	5/11/2005	151	7.52	123.0	8.34	13.3
	8/10/2005	145	6.79	-23.0	8.20	17.1
MW-31BR						
	3/6/1998	155	-	-	9.43	-
	3/13/1998	90	-	-	9.10	-
	11/12/2003	131	8.66	45.6	8.17	11.6
	2/25/2004	161	8.19	12.1	8.85	8.9
	5/12/2004	102	7.58	339.0	8.05	15.3
	8/5/2004	149	8.00	78.7	8.14	13.5
	11/18/2004	148	7.65	154.7	8.60	12.1
	2/9/2005	179	9.85	149.3	8.31	9.7
	5/11/2005	126	8.68	57.0	8.46	12.8
	8/10/2005	119	7.87	141.3	8.17	15.7
MW-32						
	11/13/2003	739	7.45	22.6	6.87	12.2
	2/26/2004	Well dry - No Sample Collected		-	-	-
	5/13/2004	Well dry - No Sample Collected		-	-	-
	8/3/2004	Field parameters could not be collected		-	-	-
	11/18/2004	Field parameters could not be collected		-	-	-

TABLE 13
GROUNDWATER FIELD PARAMETER DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	pH	Temperature (°C)
MW-33						
	11/13/2003	847	0.50	42.7	6.82	15.3
	2/25/2004	793	0.84	288.2	7.46	9.9
	5/13/2004	593	0.88	118.1	6.98	13.7
	8/3/2004	905	0.34	5.7	6.71	17.7
	11/16/2004	887	5.42	66.7	6.85	15.2
	2/10/2005	1,030	2.44	27.4	6.69	8.4
	5/10/2005	717	0.36	134.5	6.35	15.2
	8/10/2005	812	0.45	-76.7	6.77	20.2
	1/12/2006	673	0.28	32.4	6.85	11.4
MW-34						
	11/13/2003	386	1.45	106.1	7.21	14.1
	2/25/2004	277	7.56	95.3	7.36	7.9
	5/13/2004	439	1.09	568.0	6.82	16.2
	8/4/2004	456	1.31	582.0	4.83	17.5
	11/17/2004	435	3.03	150.2	7.06	14.3
	2/10/2005	552	4.41	86.6	7.11	7.2
	5/11/2005	473	4.73	158.0	6.93	13.3
	8/8/2005	393	1.34	80.1	7.10	17.2
	1/12/2006	355	1.41	63.7	7.18	10.9
MW-35D						
	11/17/2003	417	1.54	-135.2	7.64	11.7
	2/25/2004	331	1.32	-15.1	7.89	8.6
	5/13/2004	373	0.39	300.1	7.31	12.3
	8/3/2004	438	0.60	340.4	6.88	14.4
	2/8/2005	609	2.88	51.1	7.45	9.5
	5/10/2005	301	0.20	133.2	7.19	11.7
	1/11/2006	445	1.53	110.6	7.47	10.5
MW-35S						
	11/17/2003	360	0.58	-48.8	6.92	13.1
	2/25/2004	223	2.70	-81.6	7.32	7.3
	5/13/2004	258	0.34	-76.2	6.90	11.3
	8/3/2004	332	0.57	-12.4	6.46	15.8

Notes:
uS/cm = micro-Seimens per centimeter
DO = Dissolved Oxygen
mg/L = milligrams per liter
ORP = Oxidation Reduction Potential
mV = millivolts
°C = degree Centigrade
- = not measured
* = 2/04 Conductivity measurement suspected erroneous.
** = DO measurement was read during a separate pumping event due to uncertainty with the initial DO reading.

TABLE 14
VOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-01																									
	9/2/1993	-	-	1 U	-	-	1 U	1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	2 U	2 U
	11/8/1996	4 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	6.2	2.3	5	4.7	1 U	1 U	1 U	1 U	1 U	1 U	6.8	1 U	1 U
	1/7/1997	4 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	3.6	1.2	3.2	2.8	1 U	1 U	1 U	1 U	1 U	1 U	3.6	1 U	1 U
	2/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	2.2	1 U	1.6	1.7	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U
	11/12/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/25/2004	2.4 J	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	1.2 J	0.46 J	0.98 J	1.1 JB	0.24 U	0.22 J	0.13 U	0.31 J	0.18 U	0.12 U	1.6 J	0.18 U	0.46 U
	5/13/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	1.6 J	0.44 J	1.5 J	1.9 J	0.24 U	0.34 J	0.13 U	0.34 J	0.18 U	0.12 U	1.6 J	0.18 U	0.46 U
	8/4/2004	4.5 J	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.64 J	0.27 U	0.39 J	0.36 J	0.57 J	0.54 J	0.35 U	0.27 U	0.26 U	0.36 U	0.36 U	0.26 U	2 J	0.39 U	0.58 U
MW-02																									
	9/2/1993	-	-	1 U	-	-	1 U	1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	2 U	28
	11/8/1996	4 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	88
	1/7/1997	6 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	82
	1/8/1997	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	110
	2/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	100 J
	11/12/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/26/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	0.22 J	0.13 U	0.78 J	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	5/12/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	2.6 J	0.13 U	0.53 J	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/4/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.27 U	0.26 U	2.1 J	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-03																									
	9/2/1993	-	-	1 U	-	-	1 U	1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	41	11	-	117	12	49	60	11
	11/8/1996	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	71	14	9.8	1 U	1.6	15	12	4
	1/7/1997	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	2.4	210	20 J	9.5	1 U	1 U	2.3	1 U	1 U
	2/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1.4	130	13	4.8	1 U	1 U	1 U	1 U	1 U
	3/13/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1.2	170	13	6.1	1 U	1 U	1 U	1 U	1 U
	11/12/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	86	10	10	5 U	5 U	5 U	2 U	5 U
	2/25/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.67 J	19	2.7 J	4.2 J	0.18 U	0.12 U	3.5 J	0.18 U	0.46 U
	5/12/2004	0.18 U	0.15 U	0.16 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	1.6 J	74	6.7	4.7 J	0.18 U	0.12 U	2.7 J	0.18 U	0.46 U
	8/5/2004	3.3 J	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.22 J	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	5.4	1.4 J	9.4	0.36 U	0.3 J	4.9 J	4.5	0.58 U
	1/12/2006	2.7 U	0.33 U	0.27 U	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	0.44 U	49.3	4.6	14.3	0.51 U	0.45 U	2.4	0.83 U	1.1 U
	11/12/2008	1.9 U	0.26 U	0.16 U	0.92 U	-	0.15 U	0.15 U	0.15 U	0.14 U	-	-	0.17 U	0.17 U	0.23 U	0.26 U	1.4	44.9	9.5	11.4	1 U	0.84 J	4.5	0.22 U	2 U
Groundwater Protection Criteria		700	700	6	400	100	1	1,000	700		530		100	600	600	75	5	5	200	70	100	7	70	2	-
Surface Water Protection Criteria		-	-	14,100	-	-	710	4,000,000	580,000		-		420,000	170,000	26,000	26,000	88	2,340	62,000	-	-	96	-	15,750	-
Volatilization Criteria		50,000	-	287	50,000	50,000	215	23,500	50,000		21,300		1,800	30,500	24,200	50,000	1,500	219	20,400	-	-	1	34,600	2	-

TABLE 14
VOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-04																									
	9/2/1993	-	-	1 U	-	-	1 U	1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	98	1 U	-	1 U	1 U	1 U	2 U	2 U
	11/8/1996	4 U	1 U	1.1	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	930	5.6	1 U	1 U	1 U	1 U	1 U	1 U
	1/7/1997	4 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	540	3.7	1 U	1 U	1 U	1 U	1 U	1 U
	2/4/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	240	1.9	1 U	1 U	1 U	1 U	1 U	1 U
	11/14/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	350	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	2.9 J	0.27 J	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	22	0.25 U	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/12/2004	0.18 U	0.15 U	0.3 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.3 J	250	1.1 J	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/2/2004	0.91 U	0.5 U	0.49 U	0.72 U	0.52 U	0.74 U	0.39 U	0.44 U	-	1.2 U	0.55 U	0.61 U	0.54 U	0.54 U	0.62 U	0.7 U	300	4.1 J	1.1 J	0.72 U	0.53 U	0.49 U	0.78 U	1.2 U
	1/11/2006	2.7 U	0.33 U	0.68 J	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	0.44 U	298	1.5	0.7 U	0.51 U	0.45 U	0.61 U	0.83 U	1.1 U
	11/11/2008	1.9 U	0.26 U	0.16 U	0.92 U	-	0.15 U	0.15 U	0.15 U	0.14 U	-	-	0.17 U	0.17 U	0.23 U	0.26 U	0.3 U	544	3.5	0.16 U	1 U	0.26 U	0.21 U	0.22 U	2 U
MW-05																									
	9/2/1993	-	-	1 U	-	-	1 U	1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	2 U	2 U
	11/8/1996	4 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	1/7/1997	4 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	2/4/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/14/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/25/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	0.11 U	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	5/10/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.24 J	0.24 U	0.26 J	0.13 U	0.27 J	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/4/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.27 U	0.26 U	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-06																									
	11/8/1996	4 U	1 U	1 U	6 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	1/7/1997	4 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	2/4/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/12/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	1.1 J	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	0.2 U	0.25 U	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/11/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.11 U	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/3/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.27 U	0.26 U	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-07																									
	11/8/1996	4 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	1/7/1997	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	2/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/11/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	0.22 U	0.26 U	0.28 J	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	1.6 J	0.34 J	0.44 J	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/10/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	1.2 J	0.34 J	0.44 J	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/3/2004	1.1 J	0.25 U	0.83 J	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	2 J	0.27 U	0.26 U	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-08																									
	3/13/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U	1 U	1 U	1 U
Groundwater Protection Criteria		700	700	6	400	100	1	1,000	700		530		100	600	600	75	5	5	200	70	100	7	70	2	-
Surface Water Protection Criteria		-	-	14,100	-	-	710	4,000,000	580,000		-		420,000	170,000	26,000	26,000	88	2,340	62,000	-	-	96	-	15,750	-
Volatilization Criteria		50,000	-	287	50,000	50,000	215	23,500	50,000		21,300		1,800	30,500	24,200	50,000	1,500	219	20,400	-	-	1	34,600	2	-

TABLE 14
VOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-09																									
	11/8/1996	4 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	13	6	1 U	1 U	1 U	1 U	1 U	1 U
	1/7/1997	4 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	13	6.3	1 U	1 U	1 U	1 U	1 U	1 U
	2/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	10	5.7	1 U	1 U	1 U	1 U	1 U	1 U
	11/11/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	14	5.1	5 U	5 U	5 U	5 U	2 U	5 U
	2/25/2004	0.18 U	0.15 U	0.38 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	1.2 J	8.3	4.5 J	0.28 J	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	5/10/2004	0.18 U	0.15 U	0.15 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	1.6 J	7.1	3.9 J	0.14 U	0.18 U	0.27 J	0.12 U	0.18 U	0.46 U
	8/4/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	3.4 J	5.6	6.6	0.36 U	0.36 U	0.55 J	0.24 U	0.39 U	0.58 U
	1/12/2006	2.7 U	0.33 U	0.27 U	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	0.44 U	10.6	3.6	0.7 U	0.51 U	0.45 U	0.61 U	0.83 U	1.1 U
	11/12/2008	1.9 U	0.26 U	0.16 U	0.92 U	-	0.15 U	0.15 U	0.15 U	0.14 U	-	-	0.17 U	0.17 U	0.23 U	0.26 U	5.1	5	3.9	0.16 U	1 U	0.26 U	0.21 U	0.22 U	2 U
MW-10																									
	1/8/1997	13 U	1 U	1 U	2 U	1 U	1 U	2.1	1 U	2	-	-	1 U	1 U	1 U	1 U	1 U	7	3.9	1 U	1 U	1 U	1 U	1 U	1 U
	2/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/12/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.2 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	3.5 J	1.3 J	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	5/12/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	3.2 J	1.1 J	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/3/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	4.5 J	1.6 J	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-11D																									
	1/7/1997	4 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	2/4/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/17/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	0.22 U	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	0.2 U	0.25 U	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/13/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.11 U	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/3/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.27 U	0.26 U	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-11S																									
	1/7/1997	4 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	2/4/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/14/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	0.22 U	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	0.2 U	0.25 U	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/10/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.11 U	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/3/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.27 U	0.26 U	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-12																									
	2/9/1998	4 U	1 U	1.6	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	3/12/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/17/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/25/2004	0.22 U	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	0.2 U	0.25 U	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/12/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.11 U	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/4/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.27 U	0.26 U	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
Groundwater Protection Criteria		700	700	6	400	100	1	1,000	700		530		100	600	600	75	5	5	200	70	100	7	70	2	-
Surface Water Protection Criteria		-	-	14,100	-	-	710	4,000,000	580,000		-		420,000	170,000	26,000	26,000	88	2,340	62,000	-	-	96	-	15,750	-
Volatilization Criteria		50,000	-	287	50,000	50,000	215	23,500	50,000		21,300		1,800	30,500	24,200	50,000	1,500	219	20,400	-	-	1	34,600	2	-

TABLE 14
VOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-13D																									
	2/6/1998	5 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	3/11/1998	5 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/13/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/23/2004	0.22 U	0.26 J	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	0.2 U	0.25 U	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/10/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.11 U	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
MW-13S																									
	2/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	3/11/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/17/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/23/2004	0.22 U	0.27 J	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	0.47 J	0.26 J	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/10/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.54 J	0.22 J	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
MW-14																									
	2/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	3/12/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	3.9	1 U	1.4	1 U	1 U	1 U	1 U	1 U	1 U
	11/11/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	6.9	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	0.22 U	0.26 U	0.59 J	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	2.3 J	0.47 J	0.41 J	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/10/2004	0.18 U	0.15 U	0.36 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	5.7	1 J	1.3 J	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/3/2004	0.46 U	0.25 U	0.43 J	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	12	0.86 J	0.73 J	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
	1/11/2006	2.7 U	0.33 U	0.43 J	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	6.7	1.4	2	0.7 U	0.51 U	0.45 U	0.61 U	0.83 U	1.1 U
MW-15																									
	2/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	2.7	1 U	1 U	1 U	1 U	1 U	1 U
	3/12/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U
	11/12/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/25/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	1.1 J	7.2	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	5/12/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.33 J	6.2	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/3/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	1.1 J	7.1	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-16																									
	2/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	29	9.3	1 U	1 U	1 U	1 U	1 U	1 U
	3/12/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	25	11	1 U	1 U	1 U	1 U	1 U	1 U
	11/12/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	7.2	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	0.22 U	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	14	6.8	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/12/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	12	5.4	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/3/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	22	6.8	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
	1/11/2006	2.7 U	0.33 U	0.27 U	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	0.44 U	7.4	4	0.7 U	0.51 U	0.45 U	0.61 U	0.83 U	1.1 U
	11/13/2008	1.9 U	0.26 U	0.16 U	0.92 U	-	0.15 U	0.15 U	0.15 U	0.14 U	-	-	0.17 U	0.17 U	0.23 U	0.26 U	0.3 U	9.1	4.2	0.16 U	1 U	0.26 U	0.21 U	0.22 U	2 U
Groundwater Protection Criteria		700	700	6	400	100	1	1,000	700		530		100	600	600	75	5	5	200	70	100	7	70	2	-
Surface Water Protection Criteria		-	-	14,100	-	-	710	4,000,000	580,000		-		420,000	170,000	26,000	26,000	88	2,340	62,000	-	-	96	-	15,750	-
Volatilization Criteria		50,000	-	287	50,000	50,000	215	23,500	50,000		21,300		1,800	30,500	24,200	50,000	1,500	219	20,400	-	-	1	34,600	2	-

TABLE 14
VOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-17D																									
	2/9/1998	4 U	1 U	1.7	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1.7	3.5	1 U	1 U	1 U	1.5	1 U	1 U
	3/11/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1.6	4.7	1 U	1 U	1 U	1.4	1 U	1 U
	11/13/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	8.6	0.26 U	0.19 U	1.4 J	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	0.2 U	0.67 J	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/11/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.53 J	1.4 J	0.14 U	0.18 U	0.28 J	0.37 J	0.18 U	0.46 U
	8/3/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.27 U	0.9 J	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-17S																									
	2/9/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.3	1.7	1 U
	3/11/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.4	1.4	1 U
	11/13/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	3.2 J	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	0.2 U	0.25 U	0.47 J	0.22 U	0.24 U	2.8 J	1.4 J	0.33 U
	5/11/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.54 J	0.13 U	0.32 J	0.18 U	0.12 U	1.7 J	0.76 J	0.46 U
	8/3/2004	1 J	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.27 U	0.26 U	0.36 U	0.36 U	0.26 U	2.3 J	1.5 J	0.58 U
MW-18D																									
	2/9/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	3/11/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/12/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	0.22 U	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	0.2 U	0.25 U	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/12/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.11 U	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/4/2004	0.46 U	0.25 U	0.24 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.27 U	0.26 U	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-18S																									
	2/9/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	10	6.6	1.1	1 U	1 U	5.5	1 U	1 U
	3/11/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	7.6	7.3	1.1	1 U	1 U	4.5	1 U	1 U
	11/12/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	0.22 U	0.27 J	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	2.7 J	0.25 U	0.66 J	0.22 U	0.24 U	0.59 J	0.2 U	0.33 U
	5/12/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.18 J	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/4/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.52 J	0.26 U	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-19																									
	2/9/1998	4 U	1 U	1	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	56	1.5	1 U	1 U	1 U	1 U	1 U	1 U
	3/12/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	32	1.8	1 U	1 U	1 U	1 U	1 U	1 U
	11/13/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	88	5 U	11	5 U	5 U	5 U	2 U	5 U
	2/25/2004	0.18 U	0.15 U	0.56 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	89	1.3 J	25	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	5/12/2004	0.18 U	0.15 U	0.19 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	25	1.1 J	0.49 J	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/2/2004	0.46 U	0.25 U	0.36 J	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	32	6.3	3.1 J	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
	1/12/2006	2.7 U	0.33 U	0.27 U	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	0.44 U	49.7	1	28.3	0.51 U	0.45 U	0.61 U	0.83 U	1.1 U
	11/12/2008	1.9 U	0.26 U	0.16 U	0.92 U	-	0.15 U	0.15 U	0.15 U	0.14 U	-	-	0.17 U	0.17 U	0.23 U	0.26 U	0.3 U	146	1.2	129	1 U	0.26 U	0.99 J	0.22 U	2 U
Groundwater Protection Criteria		700	700	6	400	100	1	1,000	700		530		100	600	600	75	5	5	200	70	100	7	70	2	-
Surface Water Protection Criteria		-	-	14,100	-	-	710	4,000,000	580,000		-		420,000	170,000	26,000	26,000	88	2,340	62,000	-	-	96	-	15,750	-
Volatilization Criteria		50,000	-	287	50,000	50,000	215	23,500	50,000		21,300		1,800	30,500	24,200	50,000	1,500	219	20,400	-	-	1	34,600	2	-

TABLE 14
VOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-20																									
	2/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	2.2	1.9	1 U	1 U	1 U	1 U	1 U	1 U
	3/12/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1.9	2.8	1 U	1 U	1 U	1 U	1 U	1 U
	11/11/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/25/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	0.87 J	1 J	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	5/10/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	1.2 J	1.5 J	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/3/2004	1.4 J	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	1.6 J	1.4 J	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-21																									
	2/9/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	3/12/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/11/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	0.22 U	0.27 J	4.1 J	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	6.8	0.26 J	0.25 U	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/11/2004	0.18 U	0.15 U	3.3 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	6.5	0.46 J	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/3/2004	0.46 U	0.25 U	3.6 J	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	9.4	0.6 J	0.26 U	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
	1/11/2006	2.7 U	0.33 U	3.5	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	6.2	0.26 U	0.78 U	0.7 U	0.51 U	0.45 U	0.61 U	0.83 U	1.1 U
MW-22																									
	2/9/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	1 U	1 U
	3/12/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1	1 U	2.1	1 U	1 U	1 U	1 U	1 U
	11/17/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/25/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	0.42 J	0.13 U	1.7 J	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	5/10/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.66 J	0.13 U	1.8 J	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/4/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.36 J	0.26 U	1.4 J	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-23D																									
	2/9/1998	40 U	5 U	5 U	15 U	5 U	0.4 U	5 U	5 U	10 U	-	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.2 U	5 U
	3/11/1998	6 U	1 U	1 U	3 U	1	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	2.9	1 U	1 U	1 U	1 U	2.6	1 U	1 U
	11/13/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	13	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	0.22 U	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	12	5.9	2.9 J	0.22 U	2 J	3.2 J	0.2 U	0.33 U
	5/12/2004	0.18 U	0.15 J	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	14	6.4	2.9 J	0.18 U	1.9 J	3.3 J	0.18 U	0.46 U
	8/5/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	12	3.4 J	1.9 J	0.36 U	0.92 J	2.4 J	0.39 U	0.58 U
	1/12/2006	2.7 U	0.33 U	0.27 U	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	0.44 U	13.7	5.1	1.1	0.51 U	1	2.6	0.83 U	1.1 U
	11/12/2008	1.9 U	0.26 U	0.16 U	0.92 U	-	0.15 U	0.15 U	0.15 U	0.14 U	-	-	0.17 U	0.17 U	0.23 U	0.26 U	0.3 U	13.9	6.6	2.3	1 U	2.1	3.1	0.22 U	2 U
MW-23S																									
	2/9/1998	8 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	13	5.1	4.1	1 U	1 U	3.5	1 U	1 U
	3/11/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	12	6.3	6.6	1 U	1 U	4.1	1 U	1 U
	11/12/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	27	20	7.2	5 U	5 U	7.1	2 U	5 U
	2/24/2004	0.22 U	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	24	13	1.3 J	0.22 U	0.24 U	2.4 J	0.2 U	0.33 U
	5/12/2004	0.18 U	0.15 U	0.14 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	20	9.2	2.8 J	0.18 U	0.27 J	3.8 J	0.18 U	0.46 U
	8/5/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	11	7.1	14	0.36 U	0.64 J	7.9	0.39 U	0.58 U
	1/12/2006	2.7 U	0.33 U	0.27 U	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	0.44 U	32.7	13.5	0.7 U	0.51 U	0.45 U	2.3	0.83 U	1.1 U
	11/12/2008	1.9 U	0.26 U	0.16 U	0.92 U	-	0.15 U	0.15 U	0.15 U	0.14 U	-	-	0.17 U	0.17 U	0.23 U	0.26 U	0.3 U	11.4	7.1	23	1 U	1.3	10.5	0.22 U	2 U
Groundwater Protection Criteria		700	700	6	400	100	1	1,000	700		530		100	600	600	75	5	5	200	70	100	7	70	2	-
Surface Water Protection Criteria		-	-	14,100	-	-	710	4,000,000	580,000		-		420,000	170,000	26,000	26,000	88	2,340	62,000	-	-	96	-	15,750	-
Volatilization Criteria		50,000	-	287	50,000	50,000	215	23,500	50,000		21,300		1,800	30,500	24,200	50,000	1,500	219	20,400	-	-	1	34,600	2	-

TABLE 14
VOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-24BR																									
	3/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	3/13/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/14/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/23/2004	0.22 U	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	0.2 U	0.25 U	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/11/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.11 U	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/4/2004	0.46 U	0.25 U	0.24 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.27 U	0.26 U	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-25																									
	2/9/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	3/12/1998	5 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/11/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	0.22 U	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	0.58 J	0.25 U	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/13/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 J	0.76 J	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/4/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.66 J	0.26 U	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-26																									
	2/10/1998	100 J	1 U	1 U	10	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1.8	2.1	1 U	1 U	1 U	1 U	1 U	1 U
	3/12/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/11/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/26/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	2.1 J	0.98 J	0.74 J	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	5/12/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	1.4 J	1.1 J	0.69 J	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/4/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	2.1 J	1.6 J	0.44 J	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-27D																									
	2/9/1998	4 U	1 U	1 U	3 U	7.4	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	4.7	3	1 U	1 U	1 U	1.2	1 U	1 U
	3/11/1998	4 U	1 U	1 U	3 U	4.4	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	4.4	3.1	1 U	1 U	1 U	1.2	1 U	1 U
	11/11/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.6	6.6	5 U	5 U	5 U	5 U	2 U	5 U
	2/26/2004	0.18 U	0.15 U	1.4 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	5.4	5	0.26 J	0.18 U	0.12 U	0.92 J	0.18 U	0.46 U
	5/10/2004	0.18 U	0.15 U	0.64 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	4.9 J	3.5 J	0.25 J	0.18 U	0.12 U	0.58 J	0.18 U	0.46 U
	8/3/2004	0.46 U	0.25 U	0.38 J	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.34 J	0.27 U	0.31 U	0.35 U	7.4	6.9	0.36 U	0.36 U	0.26 U	1.2 J	0.39 U	0.58 U
	1/12/2006	2.7 U	0.33 U	0.27 U	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	0.44 U	3.7	3.7	0.7 U	0.51 U	0.45 U	0.61 U	0.83 U	1.1 U
MW-27S																									
	2/9/1998	4 U	1 U	1 U	3 U	24 J	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	6.6	6	1.7	1 U	1 U	2.3	1 U	1 U
	3/11/1998	5 U	1 U	1 U	3 U	7.3	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	2	1.5	1 U	1 U	1 U	1 U	1 U	1 U
	11/11/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.8	11	5 U	5 U	5 U	5 U	2 U	5 U
	2/26/2004	0.18 U	0.15 U	1.6 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	6.7	6	0.14 U	0.18 U	0.12 U	0.81 J	0.18 U	0.46 U
	5/10/2004	0.18 U	0.15 U	0.32 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	6.9	5.7	0.47 J	0.18 U	0.12 U	0.86 J	0.18 U	0.46 U
	8/3/2004	0.46 U	0.25 U	0.27 J	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	4.8 J	6.2	0.36 U	0.36 U	0.26 U	0.98 J	0.39 U	0.58 U
	1/12/2006	2.7 U	0.33 U	0.27 U	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	0.44 U	3.5	3.4	0.7 U	0.51 U	0.45 U	0.61 U	0.83 U	1.1 U

Groundwater Protection Criteria	700	700	6	400	100	1	1,000	700	530	100	600	600	75	5	5	200	70	100	7	70	2	-
Surface Water Protection Criteria	-	-	14,100	-	-	710	4,000,000	580,000	-	420,000	170,000	26,000	26,000	88	2,340	62,000	-	-	96	-	15,750	-
Volatilization Criteria	50,000	-	287	50,000	50,000	215	23,500	50,000	21,300	1,800	30,500	24,200	50,000	1,500	219	20,400	-	-	1	34,600	2	-

TABLE 14
VOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-28																									
	2/9/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1.2	2 U	-	-	1 U	1 U	1 U	1 U	1 U	12	4.9	1 U	1 U	1 U	1 U	1 U	1 U
	3/12/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	13	3.9	1	1 U	1 U	1 U	1 U	1 U
	11/13/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	17	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/25/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.21 J	0.16 U	0.2 U	-	0.36 U	1.1 J	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	19	3.4 J	1.6 J	0.18 U	0.12 U	0.65 J	0.18 U	0.46 U
	5/12/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	19	3.7 J	1.3 J	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/3/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.67 J	0.3 U	0.27 U	0.27 U	0.31 U	0.49 J	16	1.8 J	1.6 J	0.36 U	0.26 U	0.44 J	0.39 U	0.58 U
	1/12/2006	2.7 U	0.33 U	0.27 U	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	0.44 U	14	3.8	0.7 U	0.51 U	0.45 U	0.61 U	0.83 U	1.1 U
	11/12/2008	1.9 U	0.26 U	0.16 U	0.92 U	-	0.49 J	0.15 U	0.15 U	0.14 U	-	-	0.17 U	0.17 U	0.23 U	0.26 U	0.3 U	12.2	4.6	2	1 U	0.26 U	0.94 J	0.22 U	2 U
MW-29BR																									
	3/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	3/13/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/13/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	0.22 U	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	0.2 U	0.25 U	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/12/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.11 U	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	8/2/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	0.27 U	0.26 U	0.36 U	0.36 U	0.26 U	0.24 U	0.39 U	0.58 U
MW-30BR																									
	3/6/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	3/13/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/11/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/24/2004	0.22 U	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	0.2 U	0.25 U	0.19 U	0.22 U	0.24 U	0.21 U	0.2 U	0.33 U
	5/13/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	0.11 U	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
MW-31BR																									
	3/6/1998	4 U	1 U	1.5	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	3/13/1998	4 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	2 U	-	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/12/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U	5 U
	2/25/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	0.11 U	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	5/12/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	0.11 U	0.13 U	0.14 U	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
MW-32																									
	11/13/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	17	26	5 U	5 U	5 U	16	2 U	5 U
	8/3/2004	2 J	0.25 U	0.34 J	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	13	18	3.2 J	0.36 U	2.5 J	17	1.1 J	0.58 U
	1/12/2006	2.7 U	0.33 U	0.27 U	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	0.44 U	6.8	11.6	9	0.51 U	3.1	19.3	2.9	1.9 J
	11/12/2008	5.7	0.26 U	0.16 U	0.92 U	-	0.15 U	0.15 U	0.15 U	0.14 U	-	-	0.17 U	0.17 U	0.23 U	0.26 U	0.3 U	14.3	14.5	3.4	1 U	3.6	22.6	2.6	2 U
MW-33																									
	11/13/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	7.6	5 U	28	5 U	5 U	5 U	2.4	5 U
	2/25/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	7.8	1.2 J	18	0.18 U	0.46 J	2.8 J	3	0.46 U
	5/13/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	11	2.5 J	11	0.18 U	0.24 J	2.2 J	0.97 J	0.46 U
	8/3/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	9.9	1.1 J	21	0.36 U	0.34 J	3.1 J	2.9	0.58 U
	1/12/2006	2.7 U	0.33 U	0.27 U	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	0.44 U	11.3	2.7	12.4	0.51 U	0.45 U	3	0.83 U	1.1 U
	11/13/2008	1.9 U	0.26 U	0.16 U	0.92 U	-	0.15 U	0.15 U	0.15 U	0.14 U	-	-	0.17 U	0.17 U	0.23 U	0.26 U	0.3 U	8.1	1.1	15.8	1 U	0.67 J	3.2	2.9	2 U
Groundwater Protection Criteria		700	700	6	400	100	1	1,000	700		530		100	600	600	75	5	5	200	70	100	7	70	2	-
Surface Water Protection Criteria		-	-	14,100	-	-	710	4,000,000	580,000		-		420,000	170,000	26,000	26,000	88	2,340	62,000	-	-	96	-	15,750	-
Volatilization Criteria		50,000	-	287	50,000	50,000	215	23,500	50,000		21,300		1,800	30,500	24,200	50,000	1,500	219	20,400	-	-	1	34,600	2	-

TABLE 14
VOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
MW-34																									
	11/13/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6.9	5 U	5 U	5 U	**5** U	5 U	2 U	5 U
	2/25/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.24 U	5.7	0.13 U	0.35 J	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	5/13/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.37 J	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	0.24 U	6	0.19 J	0.32 J	0.18 U	0.12 U	0.12 U	0.18 U	0.46 U
	1/12/2006	2.7 U	0.33 U	0.27 U	5 U	-	0.2 U	0.23 U	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	0.44 U	7.2	0.78 U	0.7 U	0.51 U	0.45 U	0.61 U	0.83 U	1.1 U
MW-35D																									
	11/17/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	23	270	5 U	5 U	39	36	2 U	5 U
	2/25/2004	0.54 U	0.45 U	0.27 U	0.33 U	0.27 U	0.48 U	0.48 U	0.6 U	-	1.1 U	0.45 U	0.42 U	0.74 U	0.71 U	0.59 U	2.4 J	26	260	1.6 J	0.54 U	43	33	0.54 U	1.4 U
	5/13/2004	0.18 U	0.15 U	0.22 J	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.24 U	0.24 U	0.2 U	2.6 J	26	190	1.4 J	0.18 U	32	25	0.18 J	0.46 U
	8/3/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	2.3 J	22	110	1.1 J	0.36 U	0.26 U	18	0.39 U	0.58 U
	1/11/2006	2.7 U	0.33 U	0.27 U	5 U	-	0.2 U	0.37 J	0.17 U	0.24 U	-	-	0.19 U	0.22 U	0.19 U	0.33 U	1.3	9.4	40.8	1.3	0.51 U	12.2	11.5	0.83 U	1.1 U
	11/11/2008	1.9 U	0.26 U	0.16 U	0.92 U	-	0.15 U	0.15 U	0.15 U	0.14 U	-	-	0.17 U	0.17 U	0.23 U	0.26 U	0.3 U	1	0.18 U	0.51 J	1 U	0.26 U	1.1	0.22 U	2 U
MW-35S																									
	11/17/2003	5 U	5 U	5 U	10 U	5 U	1 U	5 U	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	**5** U	5 U	2 U	5 U
	2/25/2004	0.22 U	0.26 U	0.19 U	0.35 U	0.091 U	0.2 U	0.17 U	0.19 U	-	0.42 U	0.17 U	0.19 U	0.25 U	0.24 U	0.2 U	0.24 U	2.1 J	0.25 U	0.46 J	0.22 U	0.24 U	1.6 J	0.2 U	0.33 U
	5/13/2004	0.18 U	0.15 U	0.09 U	0.11 U	0.091 U	0.16 U	0.16 U	0.2 U	-	0.36 U	0.15 U	0.14 U	0.25 U	0.24 U	0.2 U	0.3 J	2 J	0.14 J	0.36 J	0.18 U	0.12 U	1.4 J	0.18 U	0.46 U
	8/3/2004	0.46 U	0.25 U	0.25 U	0.36 U	0.26 U	0.37 U	0.19 U	0.22 U	-	0.58 U	0.27 U	0.3 U	0.27 U	0.27 U	0.31 U	0.35 U	2.6 J	0.26 U	0.6 J	0.36 U	0.26 U	1.6 J	0.39 U	0.58 U

Notes:
Concentrations are reported in micrograms per liter (ug/L) or parts per billion (ppb).
MEK = methyl ethyl ketone.
MTBE = methyl tertiary butyl ether.
PCE = tetrachloroethylene.
TCE = trichloroethylene.
1,1,1-TCA = 1,1,1-trichloroethane.
cis-DCE = cis-1,2-dichloroethylene.
trans-DCE = trans-1,2-dichloroethylene.
1,1-DCE = 1,1-dichloroethylene.
1,1-DCA = 1,1-dichloroethane.
U = compound was not detected at the indicated concentration.
B = analyte also present in laboratory method blank.
J = estimated value.
- = data not collected/not available.
Beginning with the February 2004 groundwater sampling event, the analytical results were evaluated and reported to the method detection limit (MDL).
= concentration exceeds the Groundwater Protection or Volatilization Criteria.
= concentration exceeds the Surface Water Protection Criteria.
= concentration exceeds the lower of Groundwater Protection and Volatilization Criteria AND Surface Water Protection Criteria.
1.0 = detection limit exceeds one of the cleanup criteria.

Groundwater Protection Criteria	700	700	6	400	100	1	1,000	700	530	100	600	600	75	5	5	200	70	100	7	70	2	-
Surface Water Protection Criteria	-	-	14,100	-	-	710	4,000,000	580,000	-	420,000	170,000	26,000	26,000	88	2,340	62,000	-	-	96	-	15,750	-
Volatilization Criteria	50,000	-	287	50,000	50,000	215	23,500	50,000	21,300	1,800	30,500	24,200	50,000	1,500	219	20,400	-	-	1	34,600	2	-

TABLE 15
1,4-DIOXANE RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	1,4-Dioxane
MW-03		
	11/12/2008	**8.5** U
MW-04		
	11/11/2008	**8.5** U
MW-09		
	2/7/2005	1.0 U
	5/10/2005	1.0 U
	11/12/2008	**8.5** U
MW-16		
	11/13/2008	**8.5** U
MW-19		
	11/12/2008	**8.5** U
MW-23D		
	2/8/2005	7.2
	5/10/2005	10.7
	11/12/2008	**8.5** U
MW-23S		
	2/7/2005	2.6
	5/10/2005	6.1
	11/12/2008	**8.5** U
MW-28		
	11/12/2008	**8.5** U
MW-32		
	11/12/2008	**8.5** U
MW-33		
	11/13/2008	**8.5** U
MW-35D		
	2/8/2005	4.1
	5/10/2005	11.4
	11/11/2008	**8.5** U

Notes:
Concentrations are reported in micrograms per liter (ug/L) or parts per billion (ppb).
U = compound was not detected at the indicated concentration.
= concentration exceeds the DRAFT Groundwater Protection Criteria.
1.0 = detection limit exceeds the DRAFT Groundwater Protection Critieria.

DRAFT Groundwater Protection Criteria	6.0

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TABLE 16
SVOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate*	Chrysene	Dibenz[a,h]-anthracene	Di-n-butyl phthalate*	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenan-threne	Pyrene
MW-01																			
	11/8/1996	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	2.2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
	11/12/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	2.3	0.031 U	5 U	9.3	5 U	5 U	5 U	5 U	5 U	5 U
	2/25/2004	0.82 J	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.0 JB	0.031 U	0.054 U	4.0 JB	0.053 U	0.34 J	0.035 U	0.64 J	0.042 U	0.025 U
	5/13/2004	1.2 J	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.7 JB	0.031 U	0.054 U	6.0 JB	0.053 U	0.37 J	0.035 U	0.23 J	0.042 U	0.025 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.7 JB	0.031 U	0.054 U	1.8 JB	0.053 U	0.060 J	0.035 U	0.022 U	0.042 U	0.025 U
MW-02																			
	11/8/1996	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	2.3 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
	1/7/1997	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	1.8 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
	11/12/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.28	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/26/2004	0.034 U	0.031 U	0.090 J	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.94 JB	0.031 U	0.054 U	1.1 JB	0.11 J	0.024 U	0.035 U	0.022 U	0.12 J	0.10 J
	5/12/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.6 JB	0.031 U	0.054 U	2.1 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.66 JB	0.031 U	0.054 U	6.4 B	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	1/11/2006	0.75 U	0.73 U	0.55 U	0.27 U	0.64 U	0.27 U	0.64 U	0.64 U	5.6 J	0.64 U	0.57 U	1 U	0.64 U	0.95 U	0.57 U	1 U	0.65 U	0.64 U
MW-03																			
	11/8/1996	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	2.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
	1/7/1997	11 U	1.8 U	11 U	0.94 U	0.43 U	0.58 U	11 U	0.69 U	1.5 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	1.2 U	11 U
	11/12/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	2.8	0.031 U	5 U	7.4	5 U	5 U	5 U	5 U	5 U	5 U
	2/25/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	13 B	0.031 U	0.054 U	0.54 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/12/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.5 JB	0.031 U	0.054 U	3.2 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/5/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.8 JB	0.031 U	0.054 U	5.5 B	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-04																			
	11/8/1996	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	2.3 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
	1/7/1997	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	1.3 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
	2/4/1998	10 U	0.85 U	10 U	0.58 U	0.54 U	0.61 U	10 U	0.51 U	0.97 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.73 U	10 U
	11/14/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	1.8	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.2 JB	0.031 U	0.054 U	3.1 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/12/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	4.3 JB	0.031 U	0.054 U	1.2 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/2/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.6 JB	0.031 U	0.054 U	6.2 B	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-05																			
	11/8/1996	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	1.3 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
	11/14/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	7.3	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/25/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	8.6 B	0.031 U	0.054 U	0.56 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/10/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.054 U	0.031 U	0.054 U	5.7 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	3.1 JB	0.031 U	0.054 U	7.9 B	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
Groundwater Protection Criteria		420	420	2,000	0.06	0.2	0.08	210	0.5	2	4.8	0.5	700	280	280	0.5	280	200	200
Surface Water Protection Criteria		-	0.3	1,100,000	0.3	0.3	0.3	-	0.3	59	-	-	120,000	3,700	140,000	-	-	0.077	110,000

TABLE 16
SVOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate*	Chrysene	Dibenz[a,h]-anthracene	Di-n-butyl phthalate*	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenan-threne	Pyrene
MW-06																			
	11/8/1996	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	6.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
	11/12/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.054 U	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/24/2004	0.068 U	0.062 U	0.098 U	0.072 U	0.044 U	0.15 U	0.12 U	0.11 U	120	0.062 U	0.11 U	1.8 JB	0.11 U	0.048 U	0.07 U	0.044 U	0.22 J	0.05 U
	5/11/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	11 B	0.031 U	0.054 U	0.55 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.0 JB	0.031 U	0.054 U	0.91 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	11/16/2004	1.3 U	0.97 U	0.74 U	0.67 U	2.3 U	0.63	0.66 U	1.1 U	4.1 JB	0.69 U	0.60 U	1.0 U	0.59 U	0.94 U	0.55 U	1.2 U	0.88 U	0.62 U
	1/11/2006	0.73 U	0.72 U	0.54 U	0.27 U	0.63 U	0.26 U	0.63 U	0.63 U	2.7 J	0.63 U	0.56 U	1 U	0.63 U	0.93 U	0.56 U	1 U	0.64 U	0.63 U
	11/11/2008	0.25 U	0.16 U	0.24 U	0.14 U	0.17 U	0.18 U	0.093 U	0.43 U	0.21 U	0.21 U	0.16 U	0.19 U	0.2 U	0.25 U	0.14 U	0.22 U	0.22 U	0.19 U
MW-07																			
	11/8/1996	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	1.3 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
	11/11/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.054 U	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.0 JB	0.031 U	0.054 U	1.7 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/10/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	6.5 B	0.031 U	0.054 U	8.6 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	4.6 JB	0.031 U	0.054 U	1.2 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-09																			
	11/8/1996	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	1.3 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
	1/7/1997	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	1.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
	11/11/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	23	0.031 U	5 U	6.3	5 U	5 U	5 U	5 U	5 U	5 U
	2/25/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	24 B	0.031 U	0.054 U	1.3 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/10/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	38 B	0.031 U	0.054 U	17 B	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	11 B	0.031 U	0.054 U	3.8 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-10																			
	1/8/1997	10 U	15	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	1.3 U	10 U	10 U	10 U	10 U	26	10 U	100 J	29	10 U
	2/6/1998	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
	3/12/1998	10 U	0.85 U	10 U	0.58 U	0.54 U	0.61 U	10 U	0.51 U	0.97 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3.7	10 U
	11/12/2003	5 U	5 U	0.16	0.036 U	0.022 U	0.076 U	5 U	0.054 U	19	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/24/2004	0.034 U	0.031 U	0.14 J	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	21 B	0.031 U	0.054 U	0.47 JB	0.42 J	0.10 J	0.035 U	0.022 U	0.042 U	0.27 J
	5/12/2004	0.068 U	0.062 U	0.22 J	0.38 J	0.044 U	0.15 U	0.12 U	0.11 U	140 B	0.38 J	0.11 U	5.9 JB	1.5 J	0.048 U	0.07 U	0.044 U	0.084 U	1.2 J
	8/3/2004	0.034 U	0.031 U	0.20 J	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	7.7 B	0.031 U	0.054 U	10 B	0.60 J	0.10 J	0.035 U	0.022 U	0.050 J	0.40 J
	1/11/2006	0.73 U	0.72 U	0.54 U	0.27 U	0.63 U	0.26 U	0.63 U	0.63 U	4.7 J	0.63 U	0.56 U	1 U	1.1 J	0.93 U	0.56 U	1 U	0.64 U	0.78 J
	11/13/2008	0.25 U	0.16 U	0.24 U	0.14 U	0.17 U	0.18 U	0.093 U	0.43 U	0.21 U	0.21 U	0.16 U	0.19 U	0.2 U	0.25 U	0.14 U	0.22 U	0.22 U	0.19 U
MW-11D																			
	1/7/1997	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	1.3 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
	11/17/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.83	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.4 JB	0.031 U	0.054 U	0.10 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/13/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	3.7 JB	0.031 U	0.054 U	8.1 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.90 JB	0.031 U	0.054 U	11 B	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
Groundwater Protection Criteria		420	420	2,000	0.06	0.2	0.08	210	0.5	2	4.8	0.5	700	280	280	0.5	280	200	200
Surface Water Protection Criteria		-	0.3	1,100,000	0.3	0.3	0.3	-	0.3	59	-	-	120,000	3,700	140,000	-	-	0.077	110,000

TABLE 16
SVOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate*	Chrysene	Dibenz[a,h]-anthracene	Di-n-butyl phthalate*	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenan-threne	Pyrene
MW-11S																			
	1/7/1997	10 U	**1.6** U	10 U	**0.82** U	**0.37** U	**0.51** U	10 U	**0.60** U	1.3 U	**10** U	**10** U	10 U	10 U	10 U	**10** U	10 U	**1.1** U	10 U
	11/14/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	1.4	0.031 U	**5** U	5 U	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.81 JB	0.031 U	0.054 U	0.33 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/10/2004	0.085 U	0.078 U	0.12 U	**0.09** U	0.055 U	**0.19** U	0.16 U	0.14 U	210 B	0.078 U	0.14 U	3.6 JB	0.13 U	0.06 U	0.088 U	0.055 U	**0.1** U	0.062 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	5.8 B	0.031 U	0.054 U	6.9 B	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-12																			
	11/17/2003	12 U	**12** U	0.049 U	0.036 U	0.022 U	0.076 U	12 U	0.054 U	200	0.031 U	**12** U	12 U	12 U	12 U	**12** U	12 U	**12** U	12 U
	2/25/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	6.6 B	0.031 U	0.054 U	0.24 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/12/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	6.6 B	0.031 U	0.054 U	8.0 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	4.8 JB	0.031 U	0.054 U	0.85 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-13D																			
	11/13/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	15	0.031 U	**5** U	5 U	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/23/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	19 B	0.031 U	0.054 U	2.6 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/10/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	3.0 JB	0.031 U	0.054 U	6.7 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	4.5 JB	0.031 U	0.054 U	2.4 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.030 J
MW-13S																			
	11/17/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	2.9	0.031 U	**5** U	5 U	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/23/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	14 B	0.031 U	0.054 U	0.31 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/10/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.45 JB	0.031 U	0.054 U	5.9 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.0 JB	0.031 U	0.054 U	1.4 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-14																			
	11/11/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.054 U	0.031 U	**5** U	5 U	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.1 JB	0.031 U	0.054 U	0.24 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/10/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.0 JB	0.031 U	0.054 U	7.6 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	3.4 JB	0.031 U	0.054 U	7.7 B	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-15																			
	11/12/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.61	0.031 U	**5** U	5.7	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/25/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	3.1 JB	0.031 U	0.054 U	0.87 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/12/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	76 B	0.031 U	0.054 U	5.8 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	5.7 B	0.031 U	0.054 U	3.6 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-16																			
	2/18/1998	10 U	**0.85** U	10 U	**0.58** U	**0.54** U	**0.61** U	10 U	**0.51** U	0.97 U	**10** U	**10** U	10 U	10 U	10 U	**10** U	10 U	**0.73** U	10 U
	11/12/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	2.0	0.031 U	**5** U	5 U	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	26 B	0.031 U	0.054 U	0.13 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/12/2004	0.068 U	0.062 U	0.098 U	**0.072** U	0.044 U	**0.15** U	0.12 U	0.11 U	120 B	0.062 U	0.11 U	1.6 JB	0.11 U	0.048 U	0.07 U	0.044 U	**0.084** U	0.05 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	3.3 JB	0.031 U	0.054 U	0.69 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
Groundwater Protection Criteria		420	420	2,000	0.06	0.2	0.08	210	0.5	2	4.8	0.5	700	280	280	0.5	280	200	200
Surface Water Protection Criteria		-	0.3	1,100,000	0.3	0.3	0.3	-	0.3	59	-	-	120,000	3,700	140,000	-	-	0.077	110,000

TABLE 16
SVOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate*	Chrysene	Dibenz[a,h]-anthracene	Di-n-butyl phthalate*	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenan-threne	Pyrene
MW-17D																			
	11/13/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	4	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.2 JB	0.031 U	0.054 U	3.5 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/11/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	4.5 JB	0.031 U	0.054 U	1.9 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	5.4 B	0.031 U	0.054 U	8.6 B	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-17S																			
	11/13/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	1.3	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.43 JB	0.031 U	0.054 U	4.2 JB	0.40 J	0.024 U	0.035 U	0.022 U	0.042 U	0.57 J
	5/11/2004	0.034 U	0.031 U	0.060 J	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.24 JB	0.031 U	0.054 U	2.1 JB	0.45 J	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.060 J	0.12 J	0.076 U	0.062 U	0.054 U	3.4 JB	0.040 J	0.054 U	5.4 B	0.32 J	0.024 U	0.035 U	0.022 U	0.042 U	0.48 J
MW-18D																			
	11/12/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.054 U	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.6 JB	0.031 U	0.054 U	1.0 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/12/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.6 JB	0.031 U	0.054 U	0.45 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.0 JB	0.031 U	0.054 U	8.3 B	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-18S																			
	11/12/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.31	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	19 B	0.031 U	0.054 U	0.60 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/12/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.33 JB	0.031 U	0.054 U	1.8 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	5.8 B	0.031 U	0.054 U	11 B	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-19																			
	2/9/1998	10 U	0.85 U	10 U	0.58 U	0.54 U	0.61 U	10 U	0.51 U	3.6 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.73 U	10 U
	3/12/1998	10 U	0.85 U	10 U	0.58 U	0.54 U	0.61 U	10 U	0.51 U	0.97 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.73 U	10 U
	11/13/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.90	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/25/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	6.7 B	0.031 U	0.054 U	1.6 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/12/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	4.2 JB	0.031 U	0.054 U	9.9 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/2/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	6.3 B	0.031 U	0.054 U	2.6 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-20																			
	11/11/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	2.9	0.054 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/25/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	8.6 B	0.031 U	0.054 U	1.1 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/10/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	73 B	0.031 U	0.054 U	3.6 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	7.2 B	0.031 U	0.054 U	7.6 B	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-21																			
	11/11/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.054 U	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.2 JB	0.031 U	0.054 U	1.6 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/11/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.0 JB	0.031 U	0.054 U	3.7 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.7 JB	0.031 U	0.054 U	0.43 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
Groundwater Protection Criteria		420	420	2,000	0.06	0.2	0.08	210	0.5	2	4.8	0.5	700	280	280	0.5	280	200	200
Surface Water Protection Criteria		-	0.3	1,100,000	0.3	0.3	0.3	-	0.3	59	-	-	120,000	3,700	140,000	-	-	0.077	110,000

TABLE 16
SVOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate*	Chrysene	Dibenz[a,h]-anthracene	Di-n-butyl phthalate*	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenan-threne	Pyrene
MW-22																			
	11/17/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.76	0.031 U	**5** U	9.1	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/25/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.0 JB	0.031 U	0.054 U	2.1 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.57 J
	5/10/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.36 JB	0.031 U	0.054 U	6.7 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.38 J
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.2 JB	0.031 U	0.054 U	1.9 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.23 J
MW-23D																			
	11/13/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	1.1	0.031 U	**5** U	7.6	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.4 JB	0.031 U	0.054 U	0.12 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/12/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.2 JB	0.031 U	0.054 U	6.0 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/5/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	6.9 B	0.031 U	0.054 U	4.0 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-23S																			
	11/12/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.77	0.031 U	**5** U	10	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.3 JB	0.031 U	0.054 U	0.51 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/12/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	6.3 B	0.031 U	0.054 U	7.1 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/5/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	8.9 B	0.031 U	0.054 U	0.15 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-24BR																			
	11/14/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.82	0.031 U	**5** U	5 U	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/23/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.3 JB	0.031 U	0.054 U	0.60 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/11/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	78 B	0.031 U	0.054 U	1.3 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.0 JB	0.031 U	0.054 U	2.5 J	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-25																			
	11/11/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.054 U	0.031 U	**5** U	5 U	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	21 B	0.031 U	0.054 U	0.84 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.040 J
	5/13/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	120 B	0.031 U	0.054 U	5.2 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	5.5 B	0.031 U	0.054 U	2.8 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.060 J
MW-26																			
	11/11/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.054 U	0.031 U	**5** U	5 U	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/26/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.7 JB	0.031 U	0.054 U	1.5 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/12/2004	0.068 U	0.062 U	0.098 U	**0.072** U	0.044 U	**0.15** U	0.12 U	0.11 U	150 B	0.062 U	0.11 U	6.4 JB	0.11 U	0.048 U	0.07 U	0.044 U	**0.084** U	0.05 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.49 JB	0.031 U	0.054 U	0.69 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-27D																			
	2/9/1998	10 U	**0.85** U	10 U	**0.58** U	**0.54** U	**0.61** U	10 U	**0.51** U	0.97 U	**10** U	**10** U	10 U	10 U	10 U	**10** U	10 U	**0.73** U	10 U
	11/11/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	2.9	0.031 U	**5** U	5 U	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/26/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.43 J	0.054 U	0.84 JB	0.031 U	0.47 J	0.87 JB	0.053 U	0.024 U	0.19 J	0.022 U	0.042 U	0.025 U
	5/10/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	21 B	0.031 U	0.054 U	9.1 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	8.0 B	0.031 U	0.054 U	4.7 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
Groundwater Protection Criteria		420	420	2,000	0.06	0.2	0.08	210	0.5	2	4.8	0.5	700	280	280	0.5	280	200	200
Surface Water Protection Criteria		-	0.3	1,100,000	0.3	0.3	0.3	-	0.3	59	-	-	120,000	3,700	140,000	-	-	0.077	110,000

TABLE 16
SVOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate*	Chrysene	Dibenz[a,h]-anthracene	Di-n-butyl phthalate*	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenan-threne	Pyrene
MW-27S																			
	2/9/1998	10 U	0.85 U	10 U	0.58 U	0.54 U	0.61 U	10 U	0.51 U	0.97 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.73 U	10 U
	11/11/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	0.054 U	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/26/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.75 JB	0.031 U	0.054 U	0.75 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/10/2004	0.085 U	0.078 U	0.12 U	0.09 U	0.055 U	0.19 U	0.16 U	0.14 U	210 B	0.078 U	0.14 U	4.3 JB	0.13 U	0.06 U	0.088 U	0.055 U	0.1 U	0.062 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	5.6 B	0.031 U	0.054 U	2.0 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-28																			
	2/9/1998	10 U	0.85 U	10 U	0.58 U	0.54 U	0.61 U	10 U	0.51 U	1.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.73 U	10 U
	11/13/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	25	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/25/2004	0.81 J	3.3 J	0.10 J	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	6.4 B	0.031 U	0.054 U	0.71 JB	0.053 U	0.024 U	0.035 U	0.61 J	0.060 J	0.025 U
	5/12/2004	0.034 U	0.070 J	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	7.6 B	0.031 U	0.054 U	2.2 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/3/2004	1.6 J	5.2	0.090 J	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	12 B	0.031 U	0.054 U	7.8 B	0.053 U	0.024 U	0.035 U	0.27 J	0.21 J	0.025 U
	1/12/2006	0.73 U	0.72 U	0.54 U	0.27 U	0.63 U	0.26 U	0.63 U	0.63 U	1.7 J	0.63 U	0.56 U	1 U	0.63 U	0.93 U	0.56 U	1 U	0.64 U	0.63 U
	11/12/2008	0.25 U	2.2 J	0.24 U	0.14 U	0.17 U	0.18 U	0.093 U	0.43 U	4	0.21 U	0.16 U	0.19 U	0.2 U	0.25 U	0.14 U	0.22 U	0.22 U	0.19 U
MW-29BR																			
	11/13/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	8.2	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	13 B	0.031 U	0.054 U	2.2 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/12/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	13 B	0.031 U	0.054 U	1.3 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/2/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	8.3 B	0.031 U	0.054 U	1.2 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-30BR																			
	11/11/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	1.1	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/24/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	20 B	0.031 U	0.054 U	1.3 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/13/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	7.4 B	0.031 U	0.054 U	12 B	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/5/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	5.3 B	0.031 U	0.054 U	4.0 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-31BR																			
	11/12/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	3.4	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/25/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.6 JB	0.031 U	0.054 U	1.4 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/12/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.26 JB	0.031 U	0.054 U	3.1 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/5/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	11 B	0.031 U	0.054 U	2.2 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-32																			
	11/13/2003	10 U	10 U	0.049 U	0.036 U	0.022 U	0.076 U	10 U	0.054 U	170	0.031 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	7.2 B	0.031 U	0.054 U	4.8 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.040 J
MW-33																			
	11/13/2003	5 U	5 U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	35	0.031 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2/25/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	10 B	0.031 U	0.054 U	0.47 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.070 J
	5/13/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	81 B	0.031 U	0.054 U	5.7 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.030 J
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	4.2 JB	0.031 U	0.054 U	1.7 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
Groundwater Protection Criteria		420	420	2,000	0.06	0.2	0.08	210	0.5	2	4.8	0.5	700	280	280	0.5	280	200	200
Surface Water Protection Criteria		-	0.3	1,100,000	0.3	0.3	0.3	-	0.3	59	-	-	120,000	3,700	140,000	-	-	0.077	110,000

TABLE 16
SVOCs RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate*	Chrysene	Dibenz[a,h]-anthracene	Di-n-butyl phthalate*	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenan-threne	Pyrene
MW-34																			
	11/13/2003	10 U	**10** U	0.049 U	0.036 U	0.022 U	0.076 U	10 U	0.054 U	190	0.031 U	**10** U	10 U	10 U	10 U	**10** U	10 U	**10** U	10 U
	2/25/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.8 JB	0.031 U	0.054 U	0.49 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/13/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.4 JB	0.031 U	0.054 U	9.3 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/4/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	6.4 B	0.031 U	0.054 U	1.2 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
MW-35D																			
	11/17/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.22	5 U	0.090	5.9	0.031 U	**5** U	5 U	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/25/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	1.4 JB	0.031 U	0.054 U	0.07 U	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/13/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	6.1 B	0.031 U	0.054 U	8.8 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.030 J
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	3.4 JB	0.031 U	0.054 U	2.2 JB	0.053 U	0.024 U	0.035 U	0.060 J	0.042 U	0.025 U
	1/11/2006	0.73 U	**0.72** U	0.54 U	**0.27** U	**0.63** U	**0.26** U	0.63 U	**0.63** U	3 J	0.63 U	**0.56** U	1 U	0.63 U	0.93 U	**0.56** U	1 U	**0.64** U	0.63 U
	11/11/2008	0.25 U	0.16 U	0.24 U	**0.14** U	0.17 U	**0.18** U	0.093 U	**0.43** U	0.21 U	0.21 U	0.16 U	0.19 U	0.2 U	0.25 U	0.14 U	0.22 U	**0.22** U	0.19 U
MW-35S																			
	11/17/2003	5 U	**5** U	0.049 U	0.036 U	0.022 U	0.076 U	5 U	0.054 U	7.0	0.031 U	**5** U	5 U	5 U	5 U	**5** U	5 U	**5** U	5 U
	2/25/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	14 B	0.031 U	0.054 U	0.39 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	5/13/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	2.6 JB	0.031 U	0.054 U	8.3 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U
	8/3/2004	0.034 U	0.031 U	0.049 U	0.036 U	0.022 U	0.076 U	0.062 U	0.054 U	0.96 JB	0.031 U	0.054 U	2.2 JB	0.053 U	0.024 U	0.035 U	0.022 U	0.042 U	0.025 U

Notes:
Concentrations are reported in micrograms per liter (ug/L) or parts per billion (ppb).
U = compound was not detected at the indicated concentration.
B = analyte also present in laboratory method blank.
J = estimated value.
- = data not collected/not available.
* = Bis (2-ethylhexyl) phthalate and di-n-butyl phthalate data collected starting November 2003 is deemed to be not representative of groundwater due to method blank detection and historical groundwater data.
Beginning with the February 2004 groundwater sampling event, the analytical results were evaluated and reported to the method detection limit (MDL).
= concentration exceeds the Groundwater Protection Criteria.
= concentration exceeds the Surface Water Protection Criteria.
= concentration exceeds the both Groundwater Protection AND Surface Water Protection Criteria.
1.0 = detection limit exceeds one of the cleanup criteria.

Groundwater Protection Criteria	420	420	2,000	0.06	0.2	0.08	210	0.5	2	4.8	0.5	700	280	280	0.5	280	200	200
Surface Water Protection Criteria	-	0.3	1,100,000	0.3	0.3	0.3	-	0.3	59	-	-	120,000	3,700	140,000	-	-	0.077	110,000

TABLE 17
TPH RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Light PH	Medium PH	Heavy PH	TPH
MW-01					
	9/2/1993	na	na	na	0.05 U
	11/8/1996	na	na	na	0.50 U
	1/7/1997	na	na	na	0.50 U
	11/12/2003	0.1 U	0.37	0.1 U	0.37
	2/25/2004	0.1 U	0.45	0.31	0.76
	5/13/2004	0.1 U	0.1 U	0.54	0.54
	8/4/2004	0.15 U	0.33	0.15 U	0.33
	11/16/2004	na	na	na	0.16
	1/11/2006	na	na	na	0.36
MW-02					
	9/2/1993	na	na	na	0.05
	11/8/1996	na	na	na	0.50 U
	1/7/1997	na	na	na	0.50 U
	11/12/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/26/2004	0.1 U	0.1 U	0.19	0.19
	5/12/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/4/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-03					
	9/2/1993	na	na	na	0.05 U
	11/8/1996	na	na	na	0.50 U
	1/7/1997	na	na	na	0.50 U
	11/12/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/25/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/12/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/5/2004	0.15 U	0.15 U	1	1.00
	1/12/2006	na	na	na	0.11
	11/12/2008	na	na	na	0.08 J
MW-04					
	9/2/1993	na	na	na	0.05 U
	11/8/1996	na	na	na	0.50 U
	1/7/1997	na	na	na	0.90
	2/4/1998	na	na	na	0.50 U
	11/14/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/12/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/2/2004	0.15 U	0.15 U	0.15 U	0.15 U
Groundwater Protection Criteria					0.50

TABLE 17
TPH RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Light PH	Medium PH	Heavy PH	TPH
MW-05					
	9/2/1993	na	na	na	0.05 U
	11/8/1996	na	na	na	0.50 U
	1/7/1997	na	na	na	0.50 U
	11/14/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/25/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/10/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/4/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-06					
	11/8/1996	na	na	na	0.50 U
	1/7/1997	na	na	na	0.50 U
	11/12/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.21	0.21
	5/11/2004	0.1 U	0.1 U	0.13	0.13
	8/3/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-07					
	11/8/1996	na	na	na	0.50 U
	1/7/1997	na	na	na	0.70
	2/6/1998	na	na	na	0.50 U
	11/11/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.15	0.15
	5/10/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/3/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-09					
	11/8/1996	na	na	na	0.50 U
	1/7/1997	na	na	na	0.50
	2/6/1998	na	na	na	0.50 U
	11/11/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/25/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/10/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/4/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-10					
	1/8/1997	na	na	na	0.50 U
	11/12/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/12/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/3/2004	0.15 U	0.15 U	0.15 U	0.15 U
Groundwater Protection Criteria					0.50

TABLE 17
TPH RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Light PH	Medium PH	Heavy PH	TPH
MW-11D					
	1/7/1997	na	na	na	0.50 U
	11/17/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/13/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/3/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-11S					
	1/7/1997	na	na	na	0.70
	2/4/1998	na	na	na	0.50 U
	11/14/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/10/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/3/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-12					
	2/9/1998	na	na	na	0.50 U
	11/17/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/25/2004	0.1 U	0.1 U	0.37	0.37
	5/12/2004	0.1 U	0.1 U	0.25	0.25
	8/4/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-13D					
	2/6/1998	na	na	na	0.50 U
	11/13/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/23/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/10/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/4/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-13S					
	2/6/1998	na	na	na	0.50 U
	11/17/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/23/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/10/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/4/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-14					
	2/6/1998	na	na	na	0.50 U
	11/11/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/10/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/3/2004	0.15 U	0.15 U	0.15 U	0.15 U
Groundwater Protection Criteria					0.50

TABLE 17
TPH RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Light PH	Medium PH	Heavy PH	TPH
MW-15					
	2/6/1998	na	na	na	0.50 U
	11/12/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/25/2004	0.1 U	0.1 U	0.25	0.25
	5/12/2004	0.1 U	0.1 U	0.16	0.16
	8/3/2004	0.15 U	0.15 U	0.28	0.28
MW-16					
	2/6/1998	na	na	na	0.50 U
	11/12/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/12/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/3/2004	0.1 U	0.1 U	0.23	0.23
MW-17D					
	2/9/1998	na	na	na	0.50 U
	11/13/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/11/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/3/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-17S					
	2/9/1998	na	na	na	0.50 U
	11/13/2003	0.1 U	0.16	0.1 U	0.16
	2/24/2004	0.1 U	0.15	0.1 U	0.15
	5/11/2004	0.1 U	0.25	0.1 U	0.25
	8/3/2004	0.15 U	0.2	0.15 U	0.20
MW-18D					
	2/9/1998	na	na	na	0.50 U
	11/12/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/12/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/4/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-18S					
	2/9/1998	na	na	na	0.50
	11/12/2003	0.1 U	0.33	0.1 U	0.33
	2/24/2004	0.1 U	0.24	0.1 U	0.24
	5/12/2004	0.1 U	0.34	0.1 U	0.34
	8/4/2004	0.1 U	0.37	0.1 U	0.37
MW-19					
	2/9/1998	na	na	na	0.50 U
	11/13/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/25/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/12/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/2/2004	0.15 U	0.15 U	0.15 U	0.15 U
Groundwater Protection Criteria					0.50

TABLE 17
TPH RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Light PH	Medium PH	Heavy PH	TPH
MW-20					
	2/6/1998	na	na	na	0.50 U
	11/11/2003	0.1 U	0.1 U	0.14	0.14
	2/25/2004	0.1 U	0.1 U	0.2	0.20
	5/10/2004	0.1 U	0.1 U	0.26	0.26
	8/3/2004	0.15 U	0.15 U	0.21	0.21
MW-21					
	2/9/1998	na	na	na	0.50 U
	11/11/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/11/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/3/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-22					
	2/9/1998	na	na	na	0.50 U
	11/17/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/25/2004	0.1 U	0.1 U	0.19	0.19
	5/10/2004	0.1 U	0.1 U	0.16	0.16
	8/4/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-23D					
	2/9/1998	na	na	na	0.50 U
	11/13/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/12/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/5/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-23S					
	2/9/1998	na	na	na	0.50 U
	11/12/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.18	0.18
	5/12/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/5/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-24BR					
	11/14/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/23/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/11/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/4/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-25					
	2/9/1998	na	na	na	0.50 U
	11/11/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/13/2004	0.1 U	0.1 U	0.14	0.14
	8/4/2004	0.15 U	0.15 U	0.15 U	0.15 U
Groundwater Protection Criteria					0.50

TABLE 17
TPH RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Light PH	Medium PH	Heavy PH	TPH
MW-26					
	2/10/1998	na	na	na	0.50 U
	11/11/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/26/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/12/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/4/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-27D					
	2/9/1998	na	na	na	0.50 U
	11/11/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/26/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/10/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/3/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-27S					
	2/9/1998	na	na	na	0.50 U
	11/11/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/26/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/10/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/3/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-28					
	2/9/1998	na	na	na	0.50 U
	11/13/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/25/2004	0.1 U	0.3	0.1 U	0.30
	5/12/2004	0.1 U	0.14	0.1 U	0.14
	8/3/2004	0.15 U	0.58	0.15 U	0.58
	1/12/2006	na	na	na	0.10
	11/12/2008	na	na	na	0.43
MW-29BR					
	11/13/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/12/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/2/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-30BR					
	11/11/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/24/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/13/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/5/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-31BR					
	11/12/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/25/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/12/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/5/2004	0.15 U	0.15 U	0.15 U	0.15 U
Groundwater Protection Criteria					0.50

TABLE 17
TPH RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Light PH	Medium PH	Heavy PH	TPH
MW-32					
	11/13/2003	0.1 U	0.1 U	0.1 U	0.10 U
MW-33					
	11/13/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/25/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/13/2004	0.1 U	0.1 U	0.12	0.12
	8/3/2004	0.15 U	0.15 U	0.17	0.17
MW-34					
	11/13/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/25/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/13/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/4/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-35D					
	11/17/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/25/2004	0.1 U	0.1 U	0.21	0.21
	5/13/2004	0.1 U	0.1 U	0.14	0.14
	8/3/2004	0.15 U	0.15 U	0.15 U	0.15 U
MW-35S					
	11/17/2003	0.1 U	0.1 U	0.1 U	0.10 U
	2/25/2004	0.1 U	0.1 U	0.1 U	0.10 U
	5/13/2004	0.1 U	0.1 U	0.1 U	0.10 U
	8/3/2004	0.15 U	0.15 U	0.15 U	0.15 U

Notes:
Concentrations are reported in milligrams per liter (mg/L) or parts per million (ppm).
Light PH = Light Petroleum Hydrocarbons - C6 to C12.
Medium PH = Medium Petroleum Hydrocarbons - C10 to C28.
Heavy PH = Heavy Petroleum Hydrocarbons - C16 to C36.
TPH = Total Petroleum Hydrocarbons.
U = compound was not detected at the indicated concentration.
J = estimated value.
na = not analyzed.
= concentration exceeds the Groundwater Protection Criteria.
1.0 = detection limit exceeds the Groundwater Protection Criteria.

Groundwater Protection Criteria	0.50

TABLE 18
METALS RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-01																		
	9/2/1993	-	0.05 U	0.5 U	-	-	0.01 U	0.05 U	-	-	0.05 U	0.002 U	-	0.010 U	0.01 U	-	-	-
	11/8/1996	-	0.004 U	0.111	-	0.1 U	0.0010 U	0.050 U	-	0.030 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.010 U	-	-	0.050 U
	1/7/1997	-	0.004 U	0.074	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	2/6/1998	-	0.004 U	0.100	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	11/12/2003	0.006 U	0.01 U	0.13	0.001 U	0.056	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	0.0068	0.01 U	0.013
	2/25/2004	0.0052 U	0.004 U	0.096	0.00011 U	0.033	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.00074 U	0.0012 U
	5/13/2004	0.0092	0.0010 JB	0.12	0.00011 U	0.047	0.00049 U	0.0016 U	-	0.0042 J	0.002 U	0.000062 U	0.0021 J	0.0053 U	0.0016 U	0.0046 U	0.0014 J	0.011
	8/4/2004	0.0052 U	0.0029	0.15	0.00011 U	0.075	0.00049 U	0.0016 U	-	0.0016 U	0.0049	0.000062 U	0.00092 U	0.0095 J	0.0016 U	0.0055	0.0024 J	0.0020 J
	11/16/2004	0.0017 U	0.00069 B	-	-	-	-	-	-	-	-	-	-	-	-	0.003 U	-	-
	2/10/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0029 U	-	-
	5/12/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0029 U	-	-
	8/9/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	0.005 U	-	-
MW-02																		
	9/2/1993	-	0.05 U	0.5 U	-	-	0.01 U	0.05 U	-	-	0.05 U	0.002 U	-	0.01 U	0.01 U	-	-	-
	11/8/1996	-	0.007	0.119	-	0.3	0.0010 U	0.050 U	-	0.030 U	0.0050 U	0.0005	0.10 U	0.010 U	0.010 U	-	-	0.050 U
	1/7/1997	-	0.008	0.107	-	0.3	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0006	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	2/6/1998	-	0.007	0.076	-	0.3	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	11/12/2003	0.006 U	0.01 U	0.099	0.001 U	0.28	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	0.005 U	0.011	0.013
	2/26/2004	0.0052 U	0.0092 J	0.076	0.00011 U	0.20	0.00049 U	0.0016 U	-	0.0016 U	0.0091	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.00074 U	0.011
	5/12/2004	0.016	0.00096 U	0.081	0.00011 U	0.35	0.00049 U	0.0016 U	-	0.0037 J	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.0012 J	0.0048 JB
	8/4/2004	0.0052 U	0.0030	0.090	0.00011 U	0.34	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0065 J	0.0016 U	0.0046 U	0.00074 U	0.0031 J
	11/17/2004	0.0017 U	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/9/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/10/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum Contaminant Levels		0.006	0.010	2.0	0.004	-	0.005	0.100	-	1.3 / 1.0 ++	0.015	0.002	-	0.050	0.100 ++	0.002	-	5.0 ++
Groundwater Protection Criteria		0.006	0.050	1.0	0.004	0.630 *	0.005	0.050	0.050+	1.3	0.015	0.002	0.100	0.050	0.036	0.005	0.050	5.0
Surface Water Protection Criteria		86	0.004	-	0.004	-	0.006	1.2 / 0.110 **	0.110	0.048	0.013	0.0004	0.880	0.050	0.012	0.063	-	0.123

TABLE 18
METALS RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-03																		
	9/2/1993	-	0.05 U	0.5 U	-	-	0.01 U	0.05 U	-	-	0.05 U	0.002 U	-	0.01 U	0.01 U	-	-	-
	11/8/1996	-	0.004 U	0.171	-	0.1 U	0.0010 U	0.291	-	0.050	0.0050 U	0.0004 U	0.10 U	0.010 U	0.010 U	-	-	0.050 U
	1/7/1997	-	0.007	0.081	-	0.1 U	0.0010 U	1.78	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	2/6/1998	-	0.009	0.103	-	0.1 U	0.0010 U	2.05	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	3/13/1998	-	0.007	0.064	-	0.4 U	0.0010 U	2.3	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	3/26/1998	-	-	-	-	-	-	1.9	1.89	-	-	-	-	-	-	-	-	-
	11/12/2003	0.006 U	0.01 U	0.18	0.001 U	0.083	0.002 U	0.23	-	0.042	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	0.005 U	0.01 U	0.015
	2/25/2004	0.0083	0.004 U	0.40	0.00011 U	0.046	0.050	0.31	-	0.12	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.00074 U	0.036
	5/12/2004	0.0095	0.0044	0.14	0.00011 U	0.068	0.0014 JB	0.31	-	0.052	0.002 U	0.000062 U	0.0026 JB	0.0078 JB	0.0016 U	0.0046 U	0.0028 J	0.016
	8/5/2004	0.0052 U	0.034	0.16	0.00011 U	0.056	0.00050 J	0.33	-	0.033	0.002 U	0.000062 U	0.0024 J	0.0065 J	0.0022	0.019	0.0047 J	0.010
	11/17/2004	0.0017 U	0.009	-	-	-	0.0003 U	0.0874	-	-	-	-	-	-	-	0.003 U	-	-
	2/8/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0029 U	-	-
	5/11/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0029 U	-	-
	8/10/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	0.005 U	-	-
	1/12/2006	-	-	-	-	-	0.00031 U	0.212	-	-	-	-	-	-	-	-	-	-
	11/12/2008	-	-	-	-	-	0.00015 U	0.242	-	-	-	-	-	-	-	-	-	-
MW-04																		
	9/2/1993	-	0.05 U	0.5 U	-	-	0.01 U	0.05 U	-	-	0.05 U	0.002 U	-	0.01 U	0.01 U	-	-	-
	11/8/1996	-	0.004 U	0.050 U	-	0.1	0.0010 U	0.050 U	-	0.030 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.010 U	-	-	0.050 U
	1/7/1997	-	0.004 U	0.051	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	2/4/1998	-	0.004 U	0.057	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	11/14/2003	0.006 U	0.01 U	0.063	0.001 U	0.050	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	0.005 U	0.01 U	0.018
	2/24/2004	0.011	0.004 U	0.019	0.00011 U	0.0022 U	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.00074 U	0.013
	5/12/2004	0.0052 U	0.00096 U	0.050	0.00011 U	0.037	0.00049 U	0.0016 U	-	0.0037 J	0.002 U	0.000062 U	0.00092 U	0.0095 JB	0.0016 U	0.0046 U	0.0010 J	0.046
	8/2/2004	0.0052 U	0.00096 U	0.078	0.00011 U	0.040	0.0031	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.0034 J	0.0053 U	0.0016 U	0.0046 U	0.00074 U	0.030
	11/17/2004	0.0017 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/9/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/10/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/9/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum Contaminant Levels		0.006	0.010	2.0	0.004	-	0.005	0.100	-	1.3 / 1.0 ++	0.015	0.002	-	0.050	0.100 ++	0.002	-	5.0 ++
Groundwater Protection Criteria		0.006	0.050	1.0	0.004	0.630 *	0.005	0.050	0.050+	1.3	0.015	0.002	0.100	0.050	0.036	0.005	0.050	5.0
Surface Water Protection Criteria		86	0.004	-	0.004	-	0.006	1.2 / 0.110 **	0.110	0.048	0.013	0.0004	0.880	0.050	0.012	0.063	-	0.123

TABLE 18
METALS RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-05																		
	11/8/1996	-	0.004 U	0.061	-	0.1 U	0.0010 U	0.050 U	-	0.030 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.010 U	-	-	0.050 U
	1/7/1997	-	0.004 U	0.055	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	2/4/1998	-	0.004 U	0.053	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/14/2003	0.006 U	**0.01** U	0.036	0.001 U	0.072	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.012
	2/25/2004	0.0098	0.004 U	0.036	0.00011 U	0.067	0.00049 U	0.0016 U	-	0.022	0.0067	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.016
	5/10/2004	0.0052 U	0.00096 U	0.062	0.00011 U	0.078	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.0012 U
	8/4/2004	0.0052 U	0.00096 U	0.053	0.00011 U	0.10	0.00049 U	0.0016 U	-	0.0016 U	0.0025 J	0.000062 U	0.0028 J	0.0078 J	0.0016 U	**0.0046** U	0.00074 U	0.0062 J
	11/16/2004	0.0017 U	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/9/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/12/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/9/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-06																		
	11/8/1996	-	0.004 U	0.050 U	-	0.1 U	0.0010 U	0.050 U	-	0.030 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.010 U	-	-	0.050 U
	1/7/1997	-	0.004 U	0.050 U	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	2/4/1998	-	0.004 U	0.050 U	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/12/2003	0.006 U	**0.01** U	0.054	0.001 U	0.065	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.013
	2/24/2004	0.0052 U	0.004 U	0.054	0.00011 U	0.050	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.016
	5/11/2004	0.014	0.00096 U	0.042	0.00012 JB	0.059	0.00092 JB	0.0016 U	-	0.0022 J	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0094	0.00074 U	0.0074 JB
	8/3/2004	0.0052 U	0.00096 U	0.047	0.00016 J	0.045	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.0017 J	0.0053 U	0.0016 U	**0.0046** U	0.0021 J	0.0050 J
	11/16/2004	0.0017 U	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.003** U	-	-
	2/10/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	5/10/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	8/10/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.005** U	-	-
MW-07																		
	11/8/1996	-	0.004 U	0.105	-	0.1	0.0010 U	0.050 U	-	0.030 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.010 U	-	-	0.050 U
	1/7/1997	-	0.004 U	0.126	-	0.1	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	2/6/1998	-	0.004 U	0.146	-	0.1	0.0010 U	0.050 U	-	0.040 U	0.0050 U	**0.0008** U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/11/2003	0.006 U	**0.01** U	0.25	0.001 U	0.12	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.012
	2/24/2004	0.0052 U	0.004 U	0.21	0.00011 U	0.067	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.023
	5/10/2004	0.0052 U	0.00096 U	0.18	0.00011 U	0.089	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.022
	8/3/2004	0.0052 U	0.00096 U	0.28	0.00011 U	0.072	0.00049 U	0.0016 U	-	0.0038 J	0.002 U	0.000062 U	0.0015 J	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.0025 J
MW-09																		
	11/8/1996	-	0.004 U	0.071	-	0.1 U	0.0010 U	0.050 U	-	0.030 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.010 U	-	-	0.050 U
	1/7/1997	-	0.004 U	0.060	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	2/6/1998	-	0.004 U	0.069	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	**0.0008** U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/11/2003	0.006 U	**0.01** U	0.092	0.001 U	0.054	0.002 U	0.01 U	-	0.01 U	0.004 U	0.00024	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.035
	2/25/2004	0.0052 U	0.004 U	0.058	0.00011 U	0.044	0.00049 U	0.0016 U	-	0.0016 U	0.0087	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.027
	5/10/2004	0.0052 U	0.00096 U	0.070	0.00011 U	0.045	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.063
	8/4/2004	0.0052 U	0.00096 U	0.22	0.00011 U	0.054	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0096 J	0.0016 U	**0.0046** U	0.0013 J	0.031
	11/16/2004	-	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum Contaminant Levels		0.006	0.010	2.0	0.004	-	0.005	0.100	-	1.3 / 1.0 ++	0.015	0.002	-	0.050	0.100 ++	0.002	-	5.0 ++
Groundwater Protection Criteria		0.006	0.050	1.0	0.004	0.630 *	0.005	0.050	0.050+	1.3	0.015	0.002	0.100	0.050	0.036	0.005	0.050	5.0
Surface Water Protection Criteria		86	0.004	-	0.004	-	0.006	1.2 / 0.110 **	0.110	0.048	0.013	0.0004	0.880	0.050	0.012	0.063	-	0.123

TABLE 18
METALS RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-10																		
	1/8/1997	-	0.004 U	0.136	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	2/6/1998	-	0.004 U	0.111	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0008 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	11/12/2003	0.006 U	0.01 U	0.10	0.001 U	0.074	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	0.005 U	0.01 U	0.013
	2/24/2004	0.0052 U	0.0046 J	0.087	0.00011 U	0.048	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.00074 U	0.012
	5/12/2004	0.0052 U	0.0024	0.16	0.00011 U	0.060	0.00049 U	0.067	-	0.021	0.015	0.000062 U	0.020	0.0053 U	0.0016 U	0.0046 U	0.020	0.056
	8/3/2004	0.0052 U	0.00096 U	0.13	0.00011 U	0.079	0.00049 U	0.0074 J	-	0.0016 U	0.002 U	0.000062 U	0.0055 J	0.0053 U	0.0016 U	0.0093	0.00086 J	0.016
	11/17/2004	-	0.00062 U	-	-	-	-	0.0204	-	-	0.0021 B	-	-	-	-	0.003 U	-	-
	2/10/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0029 U	-	-
	5/11/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0029 U	-	-
	8/9/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.005 U	-	-
	1/11/2006	-	-	-	-	-	-	0.0476	-	-	-	-	-	-	-	-	-	-
	11/13/2008	-	-	-	-	-	-	0.004 B	-	-	-	-	-	-	-	-	-	-
MW-11D																		
	1/7/1997	-	0.004 U	0.211	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	2/4/1998	-	0.004 U	0.171	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	11/17/2003	0.006 U	0.01 U	0.21	0.001 U	0.014	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	0.005 U	0.01 U	0.016
	2/24/2004	0.0052 U	0.004 U	0.19	0.00011 U	0.0022 U	0.0029	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.00074 U	0.011
	5/13/2004	0.0076	0.00096 U	0.18	0.00011 U	0.018	0.00096 J	0.0016 U	-	0.0067 J	0.002 U	0.000062 U	0.0062 J	0.0067 J	0.0016 U	0.0046 U	0.0016 J	0.036
	8/3/2004	0.0052 U	0.00096 U	0.23	0.00011 U	0.023	0.00049 U	0.0016 U	-	0.0016 U	0.0033 J	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.0024 J	0.0080 J
	11/17/2004	0.0017 U	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/9/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/9/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11S																		
	1/7/1997	-	0.004 U	0.080	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	2/4/1998	-	0.004 U	0.050 U	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	0.027 U	-	-	0.050 U
	11/14/2003	0.006 U	0.01 U	0.034	0.001 U	0.014	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	0.005 U	0.01 U	0.019
	2/24/2004	0.0052 U	0.0073 J	0.033	0.00011 U	0.0022 U	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.00074 U	0.016
	5/10/2004	0.0052 U	0.00096 U	0.030	0.00011 U	0.018	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.00074 U	0.019
	8/3/2004	0.0052 U	0.00096 U	0.052	0.00011 U	0.026	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.0012 J	0.0062 J	0.0016 U	0.0046 U	0.0011 J	0.014
	11/17/2004	-	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum Contaminant Levels		0.006	0.010	2.0	0.004	-	0.005	0.100	-	1.3 / 1.0 ++	0.015	0.002	-	0.050	0.100 ++	0.002	-	5.0 ++
Groundwater Protection Criteria		0.006	0.050	1.0	0.004	0.630 *	0.005	0.050	0.050+	1.3	0.015	0.002	0.100	0.050	0.036	0.005	0.050	5.0
Surface Water Protection Criteria		86	0.004	-	0.004	-	0.006	1.2 / 0.110 **	0.110	0.048	0.013	0.0004	0.880	0.050	0.012	0.063	-	0.123

TABLE 18
METALS RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-12																		
	2/9/1998	-	0.004 U	0.124	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/12/1998	-	0.004 U	0.125	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/17/2003	0.006 U	**0.01** U	0.15	0.001 U	0.024	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.033
	2/25/2004	0.0052 U	0.004 U	0.14	0.00011 U	0.015	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.012
	5/12/2004	0.017	0.00096 U	0.14	0.00011 U	0.027	0.00087 J	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.0013 J	0.0053 U	0.0016 U	**0.0046** U	0.0010 J	0.018
	8/4/2004	0.0052 U	0.00096 U	0.16	0.00011 U	0.027	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.0042 J	0.012
	11/16/2004	0.0017 U	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/8/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/9/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13D																		
	2/6/1998	-	0.004 U	0.062	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	**0.0008** U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/11/1998	-	0.004 U	0.053	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/13/2003	0.006 U	**0.01** U	0.026	0.001 U	0.055	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.015
	2/23/2004	0.0052 U	0.004 U	0.024	0.00011 U	0.052	0.0043	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.045
	5/10/2004	0.0052 U	0.00096 U	0.025	0.00011 U	0.061	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.0012 U
	8/4/2004	0.0052 U	0.00096 U	0.033	0.00011 U	0.055	0.00049 U	0.0016 U	-	0.0016 U	0.0043	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.0014 J	0.012
MW-13S																		
	2/6/1998	-	0.004 U	0.050 U	-	0.1	0.0010 U	0.050 U	-	0.040 U	0.0050 U	**0.0008** U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/11/1998	-	0.004 U	0.050 U	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/17/2003	0.006 U	**0.01** U	0.045	0.001 U	0.11	0.002 U	0.01 U	-	0.01 U	0.004 U	0.00038	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.020
	2/23/2004	0.0052 U	0.0052 J	0.036	0.00011 U	0.080	0.0025	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.018
	5/10/2004	0.0052 U	0.00096 U	0.026	0.00011 U	0.091	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.0012 U
	8/4/2004	0.0052 U	0.00096 U	0.037	0.00011 U	0.11	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.0047 J
	11/18/2004	-	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14																		
	2/6/1998	-	0.004 U	0.108	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	**0.0008** U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/12/1998	-	0.004 U	0.100	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.020 U	**0.027** U	-	-	0.050 U
	11/11/2003	0.006 U	**0.01** U	0.17	0.001 U	0.083	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.013
	2/24/2004	0.0052 U	0.004 U	0.17	0.00011 U	0.056	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.011
	5/10/2004	0.0052 U	0.00096 U	0.15	0.00011 U	0.067	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.012
	8/3/2004	0.0052 U	0.00096 U	0.24	0.00011 U	0.091	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0060 J	0.0016 U	**0.0046** U	0.00074 U	0.016
MW-15																		
	2/6/1998	-	0.004 U	0.093	-	0.1	0.0010 U	0.050 U	-	0.040 U	0.0050 U	**0.0008** U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/12/1998	-	0.004 U	0.061	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/12/2003	0.006 U	**0.01** U	0.072	0.001 U	0.10	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.014
	2/25/2004	0.0052 U	0.004 U	0.060	0.00011 U	0.079	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.0012 U
	5/12/2004	0.0052 U	0.00096 U	0.072	0.00011 U	0.090	0.00078 JB	0.0016 U	-	0.0036 J	0.0027 JB	0.000062 U	0.00092 U	0.0058 JB	0.0016 U	**0.0046** U	0.0019 J	0.069
	8/3/2004	0.0052 U	0.00096 U	0.10	0.00011 U	0.11	0.00049 U	0.0048 J	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.0032 J	0.014
Maximum Contaminant Levels		0.006	0.010	2.0	0.004	-	0.005	0.100	-	1.3 / 1.0 ++	0.015	0.002	-	0.050	0.100 ++	0.002	-	5.0 ++
Groundwater Protection Criteria		0.006	0.050	1.0	0.004	0.630 *	0.005	0.050	0.050+	1.3	0.015	0.002	0.100	0.050	0.036	0.005	0.050	5.0
Surface Water Protection Criteria		86	0.004	-	0.004	-	0.006	1.2 / 0.110 **	0.110	0.048	0.013	0.0004	0.880	0.050	0.012	0.063	-	0.123

TABLE 18
METALS RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-16																		
	2/6/1998	-	0.004 U	0.116	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	**0.0008** U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/12/1998	-	0.004 U	0.122	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/12/2003	0.006 U	**0.01** U	0.092	0.001 U	0.036	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.01 U
	2/24/2004	0.0052 U	0.0054 J	0.065	0.00011 U	0.021	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.012
	5/12/2004	0.0052 U	0.00096 U	0.080	0.00011 U	0.036	0.00060 JB	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.0026 J	0.025
	8/3/2004	0.0052 U	0.00096 U	0.14	0.00011 U	0.052	0.00049 U	0.0043 J	-	0.0016 U	0.0048	0.000062 U	0.0028 J	0.011	0.0016 U	**0.0046** U	0.0035 J	0.0098 J
	11/17/2004	-	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17D																		
	2/9/1998	-	0.004 U	0.113	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/11/1998	-	0.004 U	0.120	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/13/2003	0.006 U	**0.01** U	0.13	0.001 U	0.01 U	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.016
	2/24/2004	0.0075	0.0048 J	0.10	0.00011 U	0.0022 U	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.016	0.00074 U	0.076
	5/11/2004	0.0052 U	0.00096 U	0.13	0.00011 U	0.010	0.00049 U	0.0016 U	-	0.0078 J	0.0064	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.0076 J	0.040
	8/3/2004	0.0052 U	0.00096 U	0.16	0.00011 U	0.016	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.0042 J	0.017
	11/16/2004	0.0017 U	0.00062 B	-	-	-	-	-	-	-	-	-	-	-	-	**0.003** U	-	-
	2/8/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	5/12/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	8/9/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.005** U	-	-
MW-17S																		
	2/9/1998	-	0.004 U	0.127	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/11/1998	-	0.004 U	0.122	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/13/2003	0.006 U	**0.01** U	0.14	0.001 U	0.046	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.01 U
	2/24/2004	0.0052 U	0.004 U	0.13	0.00011 U	0.038	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.0012 U
	5/11/2004	0.0097	0.00096 U	0.11	0.00011 U	0.040	0.00072 JB	0.0016 U	-	0.0034 J	0.0048	0.000062 U	0.0010 JB	0.0053 U	0.0016 U	**0.0046** U	0.0020 J	0.0012 U
	8/3/2004	0.0052 U	0.00096 U	0.13	0.00011 U	0.059	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.0072 J
	11/16/2004	0.0017 U	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/8/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/9/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D																		
	2/9/1998	-	0.004 U	0.158	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/11/1998	-	0.004 U	0.178	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/12/2003	0.006 U	**0.01** U	0.26	0.001 U	0.012	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.018
	2/24/2004	0.0097	0.004 U	0.29	0.00011 U	0.014	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.036
	5/12/2004	0.0053 J	0.00096 U	0.26	0.00011 U	0.019	0.00050 JB	0.0016 U	-	0.0047 J	0.0028 JB	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.0054 J	0.012
	8/4/2004	0.0052 U	0.00096 U	0.29	0.00011 U	0.022	0.00049 U	0.0034 J	-	0.0041 J	0.0021 J	0.000062 U	0.0035 J	0.0053 U	0.0016 U	**0.0046** U	0.0046 J	0.015
	11/16/2004	0.0017 U	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/9/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/2005	0.0023 B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/9/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum Contaminant Levels		0.006	0.010	2.0	0.004	-	0.005	0.100	-	1.3 / 1.0 ++	0.015	0.002	-	0.050	0.100 ++	0.002	-	5.0 ++
Groundwater Protection Criteria		0.006	0.050	1.0	0.004	0.630 *	0.005	0.050	0.050+	1.3	0.015	0.002	0.100	0.050	0.036	0.005	0.050	5.0
Surface Water Protection Criteria		86	0.004	-	0.004	-	0.006	1.2 / 0.110 **	0.110	0.048	0.013	0.0004	0.880	0.050	0.012	0.063	-	0.123

TABLE 18
METALS RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-18S																		
	2/9/1998	-	0.004 U	0.050 U	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/11/1998	-	0.004 U	0.050 U	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/12/2003	0.006 U	**0.01** U	0.024	0.001 U	0.39	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.014
	2/24/2004	0.0052 U	0.004 U	0.019	0.00011 U	0.38	0.0065	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.014	0.00074 U	0.013
	5/12/2004	0.0052 U	0.00096 U	0.024	0.00011 U	0.47	0.00049 U	0.0016 U	-	0.0034 J	0.0034 JB	0.000062 U	0.0026 JB	0.0053 U	0.0016 U	**0.0046** U	0.0017 J	0.0012 U
	8/4/2004	0.0052 U	0.00096 U	0.023	0.00011 U	0.63	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.010	0.0053 U	0.0016 U	0.0065	0.00074 U	0.010
	11/16/2004	-	0.00062 U	-	-	-	0.0003 U	-	-	-	-	-	-	-	-	**0.003** U	-	-
	2/9/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	5/11/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	8/9/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.005** U	-	-
	1/12/2006	-	-	-	-	-	0.00031 U	-	-	-	-	-	-	-	-	-	-	-
MW-19																		
	2/9/1998	-	0.004 U	0.050 U	-	0.4	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/12/1998	-	0.004 U	0.050 U	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.011	**0.027** U	-	-	0.050 U
	11/13/2003	0.006 U	**0.01** U	0.056	0.001 U	0.41	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.017
	2/25/2004	0.0052 U	0.004 U	0.044	0.00011 U	0.39	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0095	0.00074 U	0.013
	5/12/2004	0.0052 U	0.00096 U	0.031	0.00011 U	0.19	0.00049 U	0.0016 U	-	0.0018 J	0.0020 JB	0.000062 U	0.0017 J	0.013	0.0016 U	**0.0046** U	0.00074 U	0.0094 JB
	8/2/2004	0.0052 U	0.00096 U	0.033	0.00011 U	0.17	0.00049 U	0.0033 J	-	0.0016 U	0.002 U	0.000062 U	0.0016 J	0.0053 U	0.0016 U	**0.0046** U	0.0014 J	0.0043 J
	11/16/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.003** U	-	-
	2/9/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	5/11/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	8/9/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.005** U	-	-
MW-20																		
	2/6/1998	-	0.004 U	0.080	-	0.1	0.0010 U	0.136	-	0.040 U	0.0050 U	**0.0008** U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/12/1998	-	0.004 U	0.070	-	0.4 U	0.0010 U	0.189	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/11/2003	0.006 U	**0.01** U	0.10	0.001 U	0.11	0.002 U	0.12	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.016
	2/25/2004	0.0070	0.004 U	0.10	0.00011 U	0.064	0.00049 U	0.067	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.023
	5/10/2004	0.0052 U	0.00096 U	0.085	0.00011 U	0.078	0.0025	0.060	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.014	0.00074 U	0.013
	8/3/2004	0.0052 U	0.00096 U	0.11	0.00022 J	0.096	0.0012 J	0.12	-	0.0084 J	0.0037 J	0.000062 U	0.0086 J	0.0057 J	0.0038	**0.0046** U	0.0084 J	0.019
	11/17/2004	0.0017 U	-	-	-	-	-	0.0944	-	-	-	-	-	-	-	**0.003** U	-	-
	2/9/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	5/11/2005	0.0023 B	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	8/8/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.005** U	-	-
	1/12/2006	-	-	-	-	-	-	0.143	-	-	-	-	-	-	-	-	-	-
	11/12/2008	-	-	-	-	-	-	0.044	-	-	-	-	-	-	-	-	-	-

Maximum Contaminant Levels	0.006	0.010	2.0	0.004	-	0.005	0.100	-	1.3 / 1.0 ++	0.015	0.002	-	0.050	0.100 ++	0.002	-	5.0 ++
Groundwater Protection Criteria	0.006	0.050	1.0	0.004	0.630 *	0.005	0.050	0.050+	1.3	0.015	0.002	0.100	0.050	0.036	0.005	0.050	5.0
Surface Water Protection Criteria	86	0.004	-	0.004	-	0.006	1.2 / 0.110 **	0.110	0.048	0.013	0.0004	0.880	0.050	0.012	0.063	-	0.123

TABLE 18
METALS RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-21																		
	2/9/1998	-	0.004 U	0.050 U	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/12/1998	-	0.004 U	0.050 U	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/11/2003	0.006 U	**0.01** U	0.11	0.001 U	0.039	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.019
	2/24/2004	0.0052 U	0.010	0.088	0.00011 U	0.031	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.031
	5/11/2004	0.0052 U	0.00096 U	0.10	0.00011 U	0.047	0.00078 JB	0.0016 U	-	0.0017 J	0.0074	0.000062 U	0.00092 U	0.0078 JB	0.0016 U	**0.0046** U	0.0012 J	0.010
	8/3/2004	0.0052 U	0.00096 U	0.14	0.00011 U	0.042	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.0043 J	0.0053 U	0.0016 U	0.014	0.00074 U	0.020
	11/16/2004	-	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	**0.003** U	-	-
	2/9/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	5/10/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	8/10/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.005** U	-	-
MW-22																		
	2/9/1998	-	0.004 U	0.099	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/12/1998	-	0.004 U	0.090	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/17/2003	0.006 U	**0.01** U	0.15	0.001 U	0.093	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.017
	2/25/2004	0.0092	0.004 U	0.13	0.00011 U	0.072	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.013
	5/10/2004	0.0052 U	0.0031	0.14	0.00011 U	0.085	0.00049 U	0.0016 U	-	0.026	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.013	0.00074 U	0.023
	8/4/2004	0.0052 U	0.0042	0.17	0.00011 U	0.11	0.00049 U	0.0016 U	-	0.0016 U	0.0023 J	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.0024 J
	11/17/2004	0.0017 U	0.0018 B	-	-	-	-	-	-	-	-	-	-	-	-	**0.003** U	-	-
	2/8/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	5/11/2005	0.0016 B	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	8/9/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.005** U	-	-
MW-23D																		
	2/9/1998	-	0.004 U	0.122	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/11/1998	-	0.004 U	0.117	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/13/2003	0.006 U	**0.01** U	0.29	0.001 U	0.034	0.002 U	0.013	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.066
	2/24/2004	0.0052 U	0.004 U	0.20	0.00011 U	0.018	0.00049 U	0.026	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.055
	5/12/2004	0.0052 U	0.00096 U	0.25	0.00011 U	0.032	0.00049 U	0.012	-	0.0016 U	0.0026 JB	0.000062 U	0.00092 U	0.0064 J	0.0016 U	**0.0046** U	0.0023 J	0.021
	8/5/2004	0.0052 U	0.00096 U	0.30	0.00011 U	0.036	0.00049 U	0.012	-	0.0016 U	0.0030 J	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.0011 J	0.0089 J
	11/17/2004	-	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23S																		
	2/9/1998	-	0.004 U	0.137	-	0.1 U	0.0010 U	0.190	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/11/1998	-	0.004 U	0.131	-	0.4 U	0.0010 U	0.242	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/26/1998	-	-	-	-	-	-	0.343	0.339	-	-	-	-	-	-	-	-	-
	11/12/2003	0.006 U	**0.01** U	0.13	0.001 U	0.054	0.002 U	0.21	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.038
	2/24/2004	0.0052 U	0.004 U	0.074	0.00011 U	0.025	0.00049 U	0.13	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.034
	5/12/2004	0.0052 U	0.00096 U	0.11	0.00011 U	0.045	0.00084 J	0.038	-	0.0068 J	0.0030 JB	0.000062 U	0.0023 J	0.0097 J	0.0016 U	0.0050	0.0026 J	0.044
	8/5/2004	0.0052 U	0.0026	0.21	0.00011 U	0.052	0.0011 J	0.063	-	0.020	0.0048	0.000062 U	0.012	0.0053 U	0.0016 U	**0.0046** U	0.0054 J	0.14
	11/17/2004	-	0.00074 B	-	-	-	-	0.280	-	-	-	-	-	-	-	-	-	-
	1/12/2006	-	-	-	-	-	-	0.307	-	-	-	-	-	-	-	-	-	-
	11/12/2008	-	-	-	-	-	-	0.0528	-	-	-	-	-	-	-	-	-	-
Maximum Contaminant Levels		0.006	0.010	2.0	0.004	-	0.005	0.100	-	1.3 / 1.0 ++	0.015	0.002	-	0.050	0.100 ++	0.002	-	5.0 ++
Groundwater Protection Criteria		0.006	0.050	1.0	0.004	0.630 *	0.005	0.050	0.050+	1.3	0.015	0.002	0.100	0.050	0.036	0.005	0.050	5.0
Surface Water Protection Criteria		86	0.004	-	0.004	-	0.006	1.2 / 0.110 **	0.110	0.048	0.013	0.0004	0.880	0.050	0.012	0.063	-	0.123

TABLE 18
METALS RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-24BR																		
	3/6/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/14/2003	0.006 U	**0.01** U	0.38	0.001 U	0.01 U	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.017
	2/23/2004	0.0052 U	0.004 U	0.38	0.00011 U	0.0022 U	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.013
	5/11/2004	0.0052 U	0.00096 U	0.34	0.00011 U	0.012	0.00051 JB	0.0016 U	-	0.0021 J	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 JB	0.0025 J	0.0064 JB
	8/4/2004	0.0052 U	0.00096 U	0.38	0.00011 U	0.0084 J	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.0018 J	0.0053 U	0.0016 U	**0.0046** U	0.0013 J	0.0040 J
MW-25																		
	2/9/1998	-	0.004 U	0.108	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.058
	3/12/1998	-	0.004 U	0.057	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.068
	11/11/2003	0.006 U	**0.01** U	0.099	0.001 U	0.021	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.082
	2/24/2004	0.0052 U	0.004 U	0.077	0.00011 U	0.0022 U	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.062
	5/13/2004	0.0052 U	0.00096 U	0.072	0.00011 U	0.021	0.00071 J	0.0016 U	-	0.0016 J	0.002 U	0.000062 U	0.0030 J	0.0054 J	0.0016 U	**0.0046** U	0.00074 U	0.10
	8/4/2004	0.0052 U	0.00096 U	0.097	0.00011 U	0.036	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.0014 J	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.048
MW-26																		
	2/10/1998	-	0.004 U	0.096	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/12/1998	-	0.004 U	0.053	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/11/2003	0.006 U	**0.01** U	0.083	0.001 U	0.019	0.002 U	0.01 U	-	0.01 U	0.004 U	0.00020	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.072
	2/26/2004	0.0052 U	0.004 U	0.065	0.00011 U	0.019	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.065
	5/12/2004	0.0071	0.00096 U	0.064	0.00011 U	0.023	0.00049 U	0.0016 U	-	0.0040 J	0.002 U	0.000062 U	0.00092 U	0.0095 J	0.0016 U	**0.0046** U	0.0020 J	0.056
	8/4/2004	0.0052 U	0.00096 U	0.072	0.00011 U	0.030	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.038
	11/16/2004	0.0017 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/10/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/12/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/10/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-27D																		
	2/9/1998	-	0.004 U	0.153	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/11/1998	-	0.004 U	0.158	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/11/2003	0.006 U	**0.01** U	0.17	0.001 U	0.036	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.014
	2/26/2004	0.0052 U	0.004 U	0.16	0.00011 U	0.035	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.015
	5/10/2004	0.0052 U	0.00096 U	0.14	0.00011 U	0.034	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.0012 U
	8/3/2004	0.0052 U	0.00096 U	0.15	0.00011 U	0.036	0.00049 U	0.0043 J	-	0.0016 U	0.002 U	0.000062 U	0.0030 J	0.0053 U	0.0016 U	**0.0046** U	0.0033 J	0.0041 J
	11/16/2004	-	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Contaminant Levels	0.006	0.010	2.0	0.004	-	0.005	0.100	-	1.3 / 1.0 ++	0.015	0.002	-	0.050	0.100 ++	0.002	-	5.0 ++
Groundwater Protection Criteria	0.006	0.050	1.0	0.004	0.630 *	0.005	0.050	0.050+	1.3	0.015	0.002	0.100	0.050	0.036	0.005	0.050	5.0
Surface Water Protection Criteria	86	0.004	-	0.004	-	0.006	1.2 / 0.110 **	0.110	0.048	0.013	0.0004	0.880	0.050	0.012	0.063	-	0.123

TABLE 18
METALS RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-27S																		
	2/9/1998	-	0.004 U	0.061	-	0.1 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/11/1998	-	0.004 U	0.050	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/11/2003	0.006 U	**0.01** U	0.063	0.001 U	0.029	0.002 U	0.014	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.057
	2/26/2004	0.011	0.004 U	0.054	0.00011 U	0.029	0.0027	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.071
	5/10/2004	0.0052 U	0.00096 U	0.052	0.00011 U	0.031	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.057
	8/3/2004	0.0052 U	0.00096 U	0.049	0.00011 U	0.027	0.0012 J	0.0089 J	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.047
	11/16/2004	0.0017 U	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/9/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/10/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/8/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-28																		
	2/9/1998	-	0.004 U	0.096	-	0.2	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	3/12/1998	-	0.004 U	0.067	-	0.4 U	0.0010 U	0.050 U	-	0.040 U	0.0050 U	0.0004 U	0.10 U	0.010 U	**0.027** U	-	-	0.050 U
	11/13/2003	0.006 U	**0.01** U	0.14	0.001 U	0.12	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.043
	2/25/2004	0.0052 U	0.004 U	0.12	0.00011 U	0.11	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.031
	5/12/2004	0.0060 J	0.00096 U	0.11	0.00011 U	0.10	0.00084 JB	0.0016 U	-	0.0048 J	0.0037 JB	0.000062 U	0.00092 U	0.018	0.0016 U	**0.0046** U	0.0019 J	0.017
	8/3/2004	0.0052 U	0.00096 U	0.15	0.00011 U	0.16	0.00067 J	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.0023 J	0.0053 U	0.0016 U	**0.0046** U	0.0028 J	0.074
MW-29BR																		
	3/6/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/13/2003	0.006 U	**0.01** U	0.24	0.001 U	0.01 U	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.012
	2/24/2004	0.0052 U	0.004 U	0.24	0.00011 U	0.0022 U	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.014
	5/12/2004	0.0068	0.00096 U	0.22	0.00011 U	0.013	0.0018 JB	0.0016 U	-	0.0034 J	0.0034 JB	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.0054 J	0.0078 JB
	8/2/2004	0.0052 U	0.00096 U	0.24	0.00021 J	0.0083 J	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.0022 J	0.0053 U	0.0016 U	**0.0046** U	0.0027 J	0.0078 J
	11/17/2004	0.0017 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/9/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/10/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/9/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-30BR																		
	3/6/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/11/2003	0.006 U	**0.01** U	0.30	0.001 U	0.01 U	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.014
	2/24/2004	0.0052 U	0.004 U	0.22	0.00011 U	0.0022 U	0.0026	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0086	0.00074 U	0.015
	5/13/2004	0.0052 U	0.00096 U	0.27	0.00011 U	0.011	0.00080 J	0.0016 U	-	0.0025 J	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.0034 J	0.012
	8/5/2004	0.0052 U	0.00096 U	0.30	0.00011 U	0.0096 J	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.0015 J	0.0076 J
	11/17/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.003** U	-	-
	2/10/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	5/11/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0029** U	-	-
	8/10/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.005** U	-	-

Maximum Contaminant Levels	0.006	0.010	2.0	0.004	-	0.005	0.100	-	1.3 / 1.0 ++	0.015	0.002	-	0.050	0.100 ++	0.002	-	5.0 ++
Groundwater Protection Criteria	0.006	0.050	1.0	0.004	0.630 *	0.005	0.050	0.050+	1.3	0.015	0.002	0.100	0.050	0.036	0.005	0.050	5.0
Surface Water Protection Criteria	86	0.004	-	0.004	-	0.006	1.2 / 0.110 **	0.110	0.048	0.013	0.0004	0.880	0.050	0.012	0.063	-	0.123

TABLE 18
METALS RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-31BR																		
	3/6/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/12/2003	0.006 U	0.01 U	0.31	0.001 U	0.01 U	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	0.005 U	0.01 U	0.013
	2/25/2004	0.0052 U	0.004 U	0.28	0.00011 U	0.012	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.00074 U	0.015
	5/12/2004	0.0090	0.00096 U	0.26	0.00011 U	0.014	0.00049 U	0.0016 U	-	0.0024 J	0.002 U	0.000062 U	0.00092 U	0.0089 JB	0.0016 U	0.0046 U	0.0038 J	0.010
	8/5/2004	0.0052 U	0.00096 U	0.31	0.00011 U	0.012	0.00049 U	0.0016 U	-	0.0016 U	0.0036 J	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.0033 J	0.0067 J
	11/18/2004	0.0017 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/8/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/10/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-32																		
	3/26/1998	-	0.004 U	-	-	-	-	0.551	0.678	0.040 U	-	-	-	-	-	-	-	-
	11/13/2003	0.006 U	0.01 U	0.20	0.001 U	0.072	0.002 U	0.10	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	0.005 U	0.01 U	0.021
	8/4/2004	0.0052 U	0.0067	0.32	0.00039 J	0.074	0.0043	0.45	-	0.058	0.0093	0.000062 U	0.019	0.0053 U	0.0016 U	0.0046 U	0.019	0.098
	11/17/2004	-	0.0122	-	-	-	-	2.950	-	-	-	-	-	-	-	-	-	-
	1/12/2006	-	-	-	-	-	-	0.668	-	-	-	-	-	-	-	-	-	-
	11/12/2008	-	-	-	-	-	-	0.568	-	-	-	-	-	-	-	-	-	-
MW-33																		
	3/26/1998	-	-	-	-	-	-	0.050 U	0.010 U	-	-	-	-	-	-	-	-	-
	11/13/2003	0.006 U	0.01 U	0.12	0.001 U	0.099	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.026	0.01 U	0.002 U	0.005 U	0.01 U	0.013
	2/25/2004	0.0073	0.0079 J	0.14	0.00011 U	0.080	0.00049 U	0.063	-	0.022	0.037	0.000062 U	0.044	0.0053 U	0.0016 U	0.0046 U	0.014	0.043
	5/13/2004	0.0079	0.00096 U	0.081	0.00011 U	0.070	0.00077 J	0.0031 J	-	0.0036 J	0.002 U	0.000062 U	0.018	0.012	0.0016 U	0.0046 U	0.0015 J	0.014
	8/3/2004	0.0052 U	0.00096 U	0.12	0.00022 J	0.088	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.081	0.0053 U	0.0016 U	0.0046 U	0.00091 J	0.0084 J
	11/16/2004	0.0017 U	0.00062 U	-	-	-	-	0.0045 B	-	-	0.0015 U	-	-	-	-	-	-	-
	2/10/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/10/2005	0.0028 B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/10/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/12/2006	-	-	-	-	-	-	0.0052 B	-	-	0.0019 U	-	-	-	-	-	-	-
	11/13/2008	-	-	-	-	-	-	0.0031 B	-	-	0.0021 B	-	-	-	-	-	-	-
MW-34																		
	3/26/1998	-	-	-	-	-	-	0.050 U	0.010 U	-	-	-	-	-	-	-	-	-
	11/13/2003	0.006 U	0.01 U	0.11	0.001 U	0.030	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	0.005 U	0.013	0.011
	2/25/2004	0.0072	0.004 U	0.11	0.00011 U	0.030	0.00049 U	0.0016 U	-	0.0016 U	0.0090	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.013	0.013
	5/13/2004	0.0055 J	0.0014 JB	0.10	0.00011 U	0.029	0.00049 U	0.0016 U	-	0.0016 U	0.0038 JB	0.000062 U	0.0018 J	0.0067 J	0.0016 U	0.0046 U	0.010	0.010
	8/4/2004	0.0052 U	0.00096 U	0.13	0.00011 U	0.038	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	0.0046 U	0.011	0.24
	11/17/2004	0.0017 U	0.00062 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/10/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/2005	0.0016 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/8/2005	0.006 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Contaminant Levels	0.006	0.010	2.0	0.004	-	0.005	0.100	-	1.3 / 1.0 ++	0.015	0.002	-	0.050	0.100 ++	0.002	-	5.0 ++
Groundwater Protection Criteria	0.006	0.050	1.0	0.004	0.630 *	0.005	0.050	0.050+	1.3	0.015	0.002	0.100	0.050	0.036	0.005	0.050	5.0
Surface Water Protection Criteria	86	0.004	-	0.004	-	0.006	1.2 / 0.110 **	0.110	0.048	0.013	0.0004	0.880	0.050	0.012	0.063	-	0.123

TABLE 18
METALS RESULTS FOR GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-35D																		
	11/17/2003	0.006 U	**0.01** U	0.37	0.001 U	0.047	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.025
	2/25/2004	0.0052 U	0.004 U	0.48	0.00011 U	0.039	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.019
	5/13/2004	0.0052 U	0.00096 U	0.45	0.00019 JB	0.048	0.00049 U	0.0042 J	-	0.0041 J	0.002 U	0.000062 U	0.0057 J	0.0070 J	0.0016 U	**0.0046** U	0.0093 J	0.018
	8/3/2004	0.0052 U	0.00096 U	0.44	0.00011 U	0.037	0.00049 U	0.0040 J	-	0.0019 J	0.002 U	0.000062 U	0.0091 J	0.0053 U	0.0016 U	**0.0046** U	0.0070 J	0.017
MW-35S																		
	11/17/2003	0.006 U	**0.01** U	0.20	0.001 U	0.030	0.002 U	0.01 U	-	0.01 U	0.004 U	0.0002 U	0.01 U	0.01 U	0.002 U	**0.005** U	0.01 U	0.023
	2/25/2004	0.0052 U	0.004 U	0.17	0.00011 U	0.015	0.00049 U	0.0016 U	-	0.0016 U	0.002 U	0.000062 U	0.00092 U	0.0053 U	0.0016 U	**0.0046** U	0.00074 U	0.014
	5/13/2004	0.0054 J	0.00096 U	0.14	0.00011 U	0.024	0.00049 U	0.0016 U	-	0.0016 U	0.0032 JB	0.000062 U	0.0016 J	0.0093 J	0.0016 U	**0.0046** U	0.0010 J	0.012
	8/3/2004	0.0052 U	0.00096 U	0.17	0.00026 J	0.030	0.00049 U	0.0016 U	-	0.0021 J	0.002 U	0.000062 U	0.0022 J	0.0053 U	0.0016 U	**0.0046** U	0.0021 J	0.0025 J

Notes:
Concentrations are reported in milligrams per liter (mg/L) or parts per million (ppm).
U = compound was not detected at the indicated concentration.
B = analyte also present in laboratory method blank.
J = estimated value.
- = data not collected/not available.
+ = total chromium
++ = National Secondary Drinking Water Regulation Standard.
* = criteria value developed and presented as a part of the Final Site Investigation Report dated March 1998.
** = criteria for total chromium is not specified in the RSRs. Therefore, the values for trivalent chromium (III) / hexavalent chromium (VI) were selected for data evaluation purposes.
Beginning with the February 2004 groundwater sampling event, the analytical results were evaluated and reported to the method detection limit (MDL).
= concentration exceeds the Maximum Contaminant Level (MCL compared to Thallium concentrations only since it is the only anlayte for which the MCL is lower than the GWPC).
= concentration exceeds the Groundwater Protection Criteria (AND the MCL for thallium).
= concentration exceeds the Surface Water Protection Criteria.
= concentration exceeds both Groundwater Protection AND Surface Water Protection Criteria.
1.0 = detection limit exceeds one of the cleanup criteria.

Maximum Contaminant Levels	0.006	0.010	2.0	0.004	-	0.005	0.100	-	1.3 / 1.0 ++	0.015	0.002	-	0.050	0.100 ++	0.002	-	5.0 ++
Groundwater Protection Criteria	0.006	0.050	1.0	0.004	0.630 *	0.005	0.050	0.050+	1.3	0.015	0.002	0.100	0.050	0.036	0.005	0.050	5.0
Surface Water Protection Criteria	86	0.004	-	0.004	-	0.006	1.2 / 0.110 **	0.110	0.048	0.013	0.0004	0.880	0.050	0.012	0.063	-	0.123

TABLE 19
1996-1997 SOIL GAS SURVEY RESULTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	Benzene	Toluene	Ethyl-Benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	PCE	TCE	1,1,1-TCA
SG-01											
	10/18/1996	2	1.33 U	2.00 U	2.85 U	na	na	na	3.58 U	3.53 U	35.8 U
	10/18/1996	4	1.33 U	2.00 U	2.85 U	na	na	na	3.58 U	3.53 U	35.8 U
	10/18/1996	6	1.33 U	2.00 U	2.85 U	na	na	na	3.58 U	3.53 U	35.8 U
	10/18/1996	7	1.33 U	2.00 U	2.85 U	na	na	na	3.58 U	3.53 U	35.8 U
SG-02											
	10/30/1996	4.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-03											
	10/9/1996	2	1.33 U	2.00 U	2.85 U	6.00 U	na	na	3.58 U	3.53 U	35.8 U
	10/15/1996	4	1.33 U	2.00 U	2.85 U	6.00 U	1.88 U	3.80 U	3.58 U	7.00	35.8 U
	10/15/1996	6	606 U	742 U	543 U	2,000 U	550 U	1,110 U	2,980 U	2,000 J	45,900 U
	10/15/1996	8	606 U	742 U	543 U	2,000 U	550 U	1,110 U	2,980 U	2,350 U	45,900 U
SG-04											
	10/28/1996	5.5	406 U	742 U	na	na	na	na	2,980 U	2,350 U	45,900 U
SG-05											
	10/28/1996	5.5	406 U	742 U	na	na	na	na	2,980 U	2,350 U	45,900 U
SG-06											
	10/15/1996	2	606 U	742 U	543 U	2,000 U	550 U	1,110 U	2,980 U	2,350 U	45,900 U
	10/15/1996	3.5	606 U	742 U	543 U	2,000 U	550 U	1,110 U	2,980 U	2,350 U	45,900 U
SG-07											
	10/28/1996	4	406 U	742 U	na	na	na	na	2,980 U	2,350 U	45,900 U
SG-08											
	10/28/1996	5	406 U	742 U	na	na	na	na	2,980 U	33,000	45,900 U
SG-09											
	10/15/1996	2	606 U	742 U	543 U	2,000 U	550 U	1,110 U	2,980 U	11,000	45,900 U
	10/15/1996	4	606 U	742 U	543 U	2,000 U	550 U	1,110 U	2,980 U	24,000	45,900 U
	10/15/1996	6	506 U	742 U	543 U	2,000 U	na	na	2,980 U	35,000	45,900 U
CLEANUP CRITERIA	Residential		3,247	2,910,974	7,282,196		2,206,726		75,828	38,233	7,264,466
	Industrial/Commercial		366,912	10,016,050	25,033,099		7,511,695		186,124	87,389	25,065,181

TABLE 19
1996-1997 SOIL GAS SURVEY RESULTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	Benzene	Toluene	Ethyl-Benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	PCE	TCE	1,1,1-TCA
SG-10	10/28/1996	5.5	406 U	742 U	na	na	na	na	2,980 U	2,350 U	45,900 U
SG-11	10/28/1996	4.5	406 U	742 U	na	na	na	na	2,980 U	2,350 U	45,900 U
SG-12	10/28/1996	3	406 U	742 U	na	na	na	na	2,980 U	2,350 U	45,900 U
SG-13	10/30/1996	4.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	7,000	45,900 U
SG-14	10/30/1996	4.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	17,000	20,000 J
SG-15	10/28/1996	5.5	810 U	1,480 U	na	na	na	na	5,960 U	56,000	91,900 U
SG-16	10/28/1996	5.5	810 U	1,480 U	na	na	na	na	5,960 U	52,000	91,900 U
SG-17	10/28/1996	5.5	406 U	742 U	na	na	na	na	2,980 U	17,000	45,900 U
SG-18	10/28/1996	4	406 U	742 U	na	na	na	na	2,980 U	2,350 U	45,900 U
SG-19	10/28/1996	4	406 U	742 U	na	na	na	na	2,980 U	1,000 J	45,900 U
SG-20	10/28/1996	5	406 U	742 U	na	na	na	na	2,980 U	2,000 J	45,900 U
SG-21	10/28/1996	5	406 U	742 U	na	na	na	na	2,980 U	9,000	45,900 U

CLEANUP CRITERIA	Residential	3,247	2,910,974	7,282,196	2,206,726	75,828	38,233	7,264,466
	Industrial/Commercial	366,912	10,016,050	25,033,099	7,511,695	186,124	87,389	25,065,181

TABLE 19
1996-1997 SOIL GAS SURVEY RESULTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	Benzene	Toluene	Ethyl-Benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	PCE	TCE	1,1,1-TCA
SG-22											
	10/15/1996	2	506 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/15/1996	4	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/15/1996	6	506 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/15/1996	7	506 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-23											
	10/28/1996	4	406 U	742 U	na	na	na	na	2,980 U	2,350 U	45,900 U
SG-24											
	10/30/1996	4.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-25											
	10/30/1996	5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-26											
	10/15/1996	2	506 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/16/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-27											
	10/17/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/17/1996	4	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/17/1996	6	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/17/1996	7	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-28											
	10/28/1996	5	406 U	742 U	na	na	na	na	2,980 U	8,000	45,900 U
SG-29											
	10/15/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/15/1996	4	506 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/15/1996	6	506 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
CLEANUP CRITERIA	Residential		3,247	2,910,974	7,282,196		2,206,726		75,828	38,233	7,264,466
	Industrial/Commercial		366,912	10,016,050	25,033,099		7,511,695		186,124	87,389	25,065,181

TABLE 19
1996-1997 SOIL GAS SURVEY RESULTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	Benzene	Toluene	Ethyl-Benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	PCE	TCE	1,1,1-TCA
SG-30											
	10/17/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/17/1996	4	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/17/1996	5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-31											
	10/16/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/30/1996	5.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-32											
	10/25/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-33											
	10/30/1996	4.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	1,000 J	30,000 J
SG-34											
	10/23/1996	2	1.33 U	2.00 U	2.85 U	6.00 U	na	na	3.58 U	3.53 U	35.8 U
SG-35											
	10/17/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/17/1996	4	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/17/1996	6	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-36											
	10/25/1996	6	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-38											
	10/25/1996	5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-39											
	10/25/1996	5.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	3,000 J	45,900 U
SG-40											
	10/17/1996	2	406 U	742 U	543 U	5,000 E	na	na	2,980 U	4,000	45,900 U
	10/17/1996	4	406 U	742 U	543 U	2,000 U	na	na	2,980 U	3,000 J	45,900 U
	10/17/1996	5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	1,000 J	45,900 U
CLEANUP CRITERIA	Residential		3,247	2,910,974	7,282,196		2,206,726		75,828	38,233	7,264,466
	Industrial/Commercial		366,912	10,016,050	25,033,099		7,511,695		186,124	87,389	25,065,181

TABLE 19
1996-1997 SOIL GAS SURVEY RESULTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	Benzene	Toluene	Ethyl-Benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	PCE	TCE	1,1,1-TCA
SG-41											
	10/23/1996	2	1.33 U	2.00 U	2.85 U	6.00 U	na	na	3.58 U	3.53 U	35.8 U
SG-42											
	10/23/1996	2	1.33 U	2.00 U	2.85 U	6.00 U	na	na	3.58 U	3.53 U	35.8 U
SG-43											
	10/24/1996	5.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-44											
	10/16/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/16/1996	4	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/16/1996	6	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-45											
	10/23/1996	5.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-46											
	10/23/1996	2	1.33 U	2.00 U	2.85 U	6.00 U	na	na	3.58 U	3.53 U	35.8 U
SG-47											
	10/23/1996	2	1.33 U	2.00 U	2.85 U	6.00 U	na	na	3.58 U	3.53 U	35.8 U
SG-48											
	10/16/1996	2	1,330 U	2,000 U	54,000	206,000 E	na	na	3,580 U	9,000	35,800 U
SG-49											
	10/24/1996	5.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-50											
	10/24/1996	5.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	3,000 J	45,900 U
SG-51											
	10/23/1996	5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
CLEANUP CRITERIA	Residential		3,247	2,910,974	7,282,196		2,206,726		75,828	38,233	7,264,466
	Industrial/Commercial		366,912	10,016,050	25,033,099		7,511,695		186,124	87,389	25,065,181

TABLE 19
1996-1997 SOIL GAS SURVEY RESULTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	Benzene	Toluene	Ethyl-Benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	PCE	TCE	1,1,1-TCA
SG-52											
	10/16/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/16/1996	4	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/16/1996	5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-53											
	10/24/1996	5.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-54											
	10/23/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-55											
	10/16/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/16/1996	4	406 U	742 U	543 U	2,000 U	na	na	2,980 U	1,000 J	3,000 J
	10/16/1996	6	406 U	742 U	543 U	2,000 U	na	na	2,980 U	1,000 J	10,000 J
SG-56											
	10/24/1996	5.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	1,000 J	45,900 U
SG-57											
	10/24/1996	5.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	28,000	45,900 U
SG-58											
	10/16/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/16/1996	4	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
	10/16/1996	5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-59											
	10/17/1996	2	406 U	742 U	3,000	10,000	na	na	2,980 U	6,000	45,900 U
	10/17/1996	4	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,000 J	45,900 U
	10/17/1996	6	406 U	742 U	543 U	2,000 U	na	na	2,980 U	4,000	45,900 U
SG-60											
	10/23/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U

CLEANUP CRITERIA	Residential	3,247	2,910,974	7,282,196	2,206,726	75,828	38,233	7,264,466
	Industrial/Commercial	366,912	10,016,050	25,033,099	7,511,695	186,124	87,389	25,065,181

TABLE 19
1996-1997 SOIL GAS SURVEY RESULTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	Benzene	Toluene	Ethyl-Benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	PCE	TCE	1,1,1-TCA
SG-61	10/24/1996	1.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-62	10/24/1996	5.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	1,000 J	45,900 U
SG-63	10/24/1996	6	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,000 J	45,900 U
SG-64	10/24/1996	5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-65	10/18/1996	1.5	1.33 U	2.00 U	2.85 U	na	na	na	3.58 U	3.53 U	35.8 U
SG-66	10/24/1996	1.5	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-67	10/24/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-68	10/24/1996	2	406 U	742 U	543 U	2,000 U	na	na	2,980 U	2,350 U	45,900 U
SG-69	10/28/1996	5.5	406 U	742 U	na	na	na	na	2,980 U	1,000 J	45,900 U
SG-70	1/8/1997	5.5	506 U	742 U	543 U	na	550 U	1,110 U	2,980 U	2,350 U	45,900 U
SG-71	1/8/1997	5.5	506 U	742 U	543 U	na	550 U	1,110 U	2,980 U	2,350 U	45,900 U
SG-72	1/8/1997	4	506 U	742 U	543 U	na	550 U	1,110 U	2,980 U	2,350 U	45,900 U
SG-73	1/8/1997	2	506 U	742 U	543 U	na	550 U	1,110 U	2,980 U	2,350 U	45,900 U
CLEANUP CRITERIA	Residential		3,247	2,910,974	7,282,196		2,206,726		75,828	38,233	7,264,466
	Industrial/Commercial		366,912	10,016,050	25,033,099		7,511,695		186,124	87,389	25,065,181

TABLE 19
1996-1997 SOIL GAS SURVEY RESULTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	Benzene	Toluene	Ethyl-Benzene	Xylenes			PCE	TCE	1,1,1-TCA
						Total /	m,p-	o-			
SG-74											
	1/8/1997	6	506 U	742 U	543 U	na	550 U	1,110 U	2,980 U	2,350 U	45,900 U
SG-75											
	1/9/1997	5.5	506 U	742 U	na	na	na	na	2,980 U	2,350 U	45,900 U
SG-76											
	1/9/1997	5	506 U	742 U	na	na	na	na	2,980 U	2,350 U	45,900 U
SG-77											
	1/9/1997	6	506 U	742 U	na	na	na	na	2,980 U	2,350 U	45,900 U
SG-78											
	1/9/1997	4.5	506 U	742 U	na	na	na	na	2,980 U	2,350 U	45,900 U
SG-79											
	1/9/1997	6	506 U	742 U	na	na	na	na	2,980 U	2,350 U	45,900 U

Notes:
Concentrations are reported in ug/m3.
PCE = tetrachloroethylene.
TCE = trichloroethylene.
1,1,1-TCA = 1,1,1-trichloroethane.
U = compound was not detected at the indicated concentration.
J = estimated value.
na = not analyzed.
Clean up criteria are converted from the CT RSR soil vapor volatilzation criteria in units of ppm to ug/m3.
= concentration exceeds proposed residential criteria.

CLEANUP CRITERIA	Residential	3,247	2,910,974	7,282,196	2,206,726	75,828	38,233	7,264,466
	Industrial/Commercial	366,912	10,016,050	25,033,099	7,511,695	186,124	87,389	25,065,181

TABLE 20
2000 SOIL GAS SURVEY RESULTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Portable GC Analysis			GC/MS Laboratory Analysis											
		PCE	TCE	1,1,1-TCA	Acetone	1,1-DCA	MTBE	cis-DCE	Chloroform	Benzene	Toluene	m,p-Xylene	o-Xylene	PCE	TCE	1,1,1-TCA
SG #1	6/8/2000	2 U	3.9	6.3	na	na	na	na	na	na	na	na	na	na	na	na
SG #2	6/8/2000	2.2	10	18	na	na	na	na	na	na	na	na	na	na	na	na
SG #3	6/8/2000	2.8	13	29	na	na	na	na	na	na	na	na	na	na	na	na
SG#4	6/8/2000	6.2	49	183	5.16 U	2.4	8.01 U	9.44 U	0.51 L	7.56 U	8.94 U	20.37 U	10.3 U	5.5	57	162
SG #5	6/8/2000	6.9	136	461	9.3 J	26.9 U	22.38 U	26.37 U	31.69 U	21.12 U	24.97 U	56.88 U	28.76 U	5.5 L	151	361
SG #6	6/8/2000	2 U	8 U	5 U	na	na	na	na	na	na	na	na	na	na	na	na
SG #7	6/8/2000	2 U	8 U	5 U	na	na	na	na	na	na	na	na	na	na	na	na
SG #8	6/8/2000	6.2	4.1	13	na	na	na	na	na	na	na	na	na	na	na	na
SG #9	6/8/2000	2 U	8 U	5 U	na	na	na	na	na	na	na	na	na	na	na	na
SG #10	6/8/2000	2 U	8 U	6.8	0.35 U	0.65 U	0.54 U	0.64 U	0.15 L	0.51 U	0.07 B,L	1.38 U	0.7 U	0.09 L	0.82 U	9.8
SG #11	6/8/2000	2 U	8 U	6.7	na	na	na	na	na	na	na	na	na	na	na	na
SG #12	6/8/2000	2 U	5 U	5 U	na	na	na	na	na	na	na	na	na	na	na	na
SG #13	6/8/2000	7.9	136	258	2.8 L	12.73 U	10.59 U	12.48 U	2	10 U	1.9 B,L	4.4 B,L	3.3	6.3	150	259
SG #14	6/8/2000	2 U	8 U	5 U	na	na	na	na	na	na	na	na	na	na	na	na
SG #15	6/8/2000	2 U	92	90	1.9 J	5.44 U	4.52 U	3.5	0.48 L	0.41 B,L	5.05 U	11.5 U	5.1 U	9.13 U	84	70
SG #16	6/8/2000	2 U	100	38	na	na	na	na	na	na	na	na	na	na	na	na
Ambient Air	6/8/2000	2 U	8 U	5 U	0.53 U	0.99 U	0.22 L	0.97 U	1.17 U	0.14 B,L	0.45 B	0.17 L	0.13 B,L	1.66 U	1.23 U	0.57

Notes:
All units are in parts per billion per volume (ppb/v).
PCE – Tetrachloroethylene.
TCE – Trichloroethylene.
1,1,1-TCA – 1,1,1-Trichloroethane.
1,1-DCA – 1,1-Dichloroethane.
MTBE – Methly-t-Butyl Ether.
cis-DCE – cis-1,2-Dichloroethene.

U – not detected.
B – analyte also present in laboratory method blank.
L – below calibration range, estimated value.
J – estimated value.
na – not analyzed
Data taken from EPA Soil Gas Report dated June 30, 2000.

TABLE 21
VOCs RESULTS FOR SEDIMENTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SGP-1	11/7/1996	-	37 U	7.4 U	7.4 U	19 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U
SGP-2	11/7/1996	-	43 U	5.8 U	5.8 U	14 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
SGP-3	11/7/1996	-	24 U	4.9 U	4.9 U	12 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U
SGP-4	11/7/1996	-	35 U	6.9 U	6.9 U	17 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U
SGP-5	11/7/1996	-	49 U	9.9 U	9.9 U	25 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U
USD-1	11/7/1996	-	98 U	7.7 U	7.7 U	21 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U

Notes:
Concentrations are reported in ug/L (ppb).
MEK = methyl ethyl ketone.
MTBE = methyl tertiary butyl ether.
PCE = tetrachloroethylene.
TCE = trichloroethylene.
1,1,1-TCA = 1,1,1-trichloroethane.
cis-DCE = cis-1,2-dichloroethylene.
trans-DCE = trans-1,2-dichloroethylene.
1,1-DCE = 1,1-dichloroethylene.
1,1-DCA = 1,1-dichloroethane.
U = compound was not detected at the indicated concentration.
- = data not collected/not available.
The CT RSRs do not specify cleanup criteria for sediments; therefore, no cleanup criteria are shown.

TABLE 22
SVOCs RESULTS FOR SEDIMENTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoran-thene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene	Total
Pond-1																					
	7/11/2002	0.0 - 0.5	340 U	340 U	340 U	473	490	647	349	340 U	690 U	672	340 U	690 U	939	340 U	340 U	340 U	387	802	4,759
	7/11/2002	0.5 - 1.0	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	590 U	300 U	300 U	590 U	300 U	300 U	300 U	300 U	300 U	300 U	nd
Pond-2																					
	7/11/2002	0.0 - 0.5	330 U	510	544	2,320	2,230	2,380	1,440	1,180	660 U	3,010	423	660 U	3,800	330 U	1,480	330 U	1,510	3,580	24,407
	7/11/2002	0.5 - 1.0	330 U	413	407	1,400	1,460	1,540	951	694	650 U	2,000	330 U	650 U	2,660	330 U	969	330 U	1,380	2,430	16,304
Pond-3																					
	7/11/2002	0.0 - 0.5	330 U	877	839	3,270	2,930	3,430	1,890	1,870	660 U	4,230	612	660 U	5,700	517	2,060	330 U	2,890	5,310	36,425
	7/11/2002	0.5 - 1.0	310 U	996	1,030	3,240	3,100	3,720	1,860	1,850	620 U	4,750	617	620 U	6,270	706	2,050	310 U	4,330	5,790	40,309
SD-06																					
	2/10/1998	0.0 - 1.5	990 U	990 U	990 U	2,100	2,100	2,300	990 U	1,900	990 U	2,800	990 U	990 U	5,300	990 U	1,000	990 U	2,500	5,100	25,100
SD-07																					
	2/10/1998	0.0 - 0.75	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	nd
	2/10/1998	0.75 - 1.5	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	890 U	nd
SD-08																					
	2/10/1998	0.0 - 0.75	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	nd
	2/10/1998	0.75 - 1.5	960 U	960 U	960 U	960 U	960 U	960 U	960 U	960 U	960 U	960 U	960 U	960 U	960 U	960 U	960 U	960 U	960 U	960 U	nd
SD-09																					
	2/10/1998	0.0 - 1.5	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	830 U	nd
SD-10																					
	2/10/1998	0.0 - 0.75	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	1,700	1,000 U	1,000 U	1,000 U	1,000 U	1,300	3,000
	2/10/1998	0.75 - 1.5	1,500 U	1,500 U	1,500 U	1,500 U	1,500	1,900	1,500 U	1,500 U	1,500 U	2,000	1,500 U	1,500 U	4,800	1,500 U	1,500 U	1,500 U	2,100	3,300	15,600
SD-11																					
	2/10/1998	0.0 - 1.5	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	720 U	1,100	720 U	730 U	720 U	720 U	770	1,870
SD-12																					
	7/11/2002	0.0 - 0.5	330 U	330 U	330 U	1,030	1,060	1,240	705	462	650 U	1,530	330 U	650 U	1,930	330 U	673	330 U	1,050	1,860	11,540
	7/11/2002	0.5 - 1.0	290 U	290 U	290 U	598	606	806	411	290 U	580 U	939	290 U	580 U	1,280	290 U	390	290 U	693	1,080	6,803
SD-13																					
	7/11/2002	0.0 - 0.5	310 U	310 U	310 U	650	628	747	451	310 U	630 U	865	310 U	630 U	1,200	310 U	443	310 U	651	1,150	6,785
	7/11/2002	0.5 - 1.0	340 U	340 U	340 U	979	916	1,100	616	340 U	690 U	1,280	340 U	690 U	1,700	340 U	595	340 U	827	1,610	9,623
SD-14																					
	7/11/2002	0.0 - 0.5	300 U	300 U	474	1,510	1,270	1,600	857	449	590 U	1,710	300 U	590 U	2,870	300 U	884	300 U	2,110	2,310	16,044
	7/11/2002	0.5 - 1.0	280 U	280 U	280 U	846	746	837	474	286	560 U	1,140	280 U	560 U	1,470	280 U	470	280 U	1,030	1,480	8,779
SD-15																					
	7/11/2002	0.0 - 0.5	340 U	340 U	732	2,630	2,810	3,020	1,850	1,060	690 U	3,590	599	690 U	4,600	360	1,960	340 U	3,420	4,150	30,781
	7/11/2002	0.5 - 1.0	3,540	458	4,590	12,500	8,750	14,500	4,020	3,600	650 U	16,900	1,550	650 U	28,900	2,880	4,920	2,610	24,700	20,000	154,418

TABLE 22
SVOCs RESULTS FOR SEDIMENTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoran-thene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene	Total
SD-16																					
	7/11/2002	0.0 - 0.5	300 U	300 U	300 U	1,110	1,060	1,160	543	337	610 U	1,390	300 U	610 U	1,840	300 U	594	300 U	1,310	1,870	11,214
	7/11/2002	0.5 - 1.0	270 U	270 U	375	2,090	2,040	2,190	1,130	933	540 U	2,700	332	540 U	3,180	270 U	1,160	270 U	1,310	3,080	20,520
SD-17																					
	7/11/2002	0.0 - 0.5	810 U	810 U	810 U	810 U	810 U	1,000	810 U	810 U	1,600 U	1,300	810 U	1,600 U	2,400	810 U	810 U	810 U	1,410	1,900	8,010
	7/11/2002	0.5 - 1.0	320 U	320 U	320 U	320 U	320 U	329	320 U	320 U	640 U	431	320 U	640 U	696	320 U	320 U	320 U	338	566	2,360
SD-18																					
	7/11/2002	0.0 - 0.5	350 U	350 U	350 U	350 U	350 U	350 U	350 U	350 U	690 U	350 U	350 U	690 U	373	350 U	350 U	350 U	350 U	350 U	373
	7/11/2002	0.5 - 1.0	320 U	320 U	320 U	320 U	320 U	320 U	320 U	320 U	650 U	320 U	320 U	650 U	320 U	320 U	320 U	320 U	320 U	320 U	nd
SD-19																					
	7/11/2002	0.0 - 0.5	400 U	645	845	2,590	1,820	2,410	1,020	1,180	800 U	3,440	408	800 U	5,280	400 U	1,050	400 U	5,690	3,730	30,108
	7/11/2002	0.5 - 1.0	350 U	350 U	350 U	1,020	987	1,080	587	388	690 U	1,450	350 U	690 U	1,820	350 U	572	350 U	960	1,740	10,604
SD-20																					
	7/11/2002	0.0 - 0.5	860 U	860 U	860 U	860 U	860 U	860 U	860 U	860 U	820 U	860 U	410 U	820 U	410 U	860 U	860 U	410 U	410 U	410 U	nd
	7/11/2002	0.5 - 1.0	730 U	730 U	730 U	730 U	730 U	730 U	730 U	730 U	1,500 U	730 U	730 U	1,500 U	730 U	730 U	730 U	730 U	730 U	730 U	nd
SD-21																					
	7/11/2002	0.0 - 0.5	410 U	761	495	1,750	1,930	2,210	1,380	437	830 U	3,150	410 U	830 U	4,010	422	1,270	410 U	2,860	3,910	24,585
	7/11/2002	0.5 - 1.0	410 U	410 U	410 U	410 U	410 U	410 U	410 U	410 U	820 U	410 U	410 U	820 U	410 U	410 U	410 U	410 U	410 U	410 U	nd
SD-22																					
	7/11/2002	0.0 - 0.5	310 U	310 U	310 U	867	973	1,060	647	408	630 U	1,230	310 U	630 U	1,390	310 U	632	310 U	755	1,310	9,272
SGP-1																					
	11/7/1996	-	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	440 U	nd
SGP-2																					
	11/7/1996	-	430 U	430 U	490	2,100	1,500	1,900	890	1,100	430 U	2,000	430 U	430 U	5,100	430 U	980	430 U	3,800	4,000	23,860
SGP-3																					
	11/7/1996	-	390 U	390 U	390 U	790	680	600	430	590	390 U	820	390 U	390 U	1,500	390 U	430	390 U	510	1,300	7,650
SGP-4																					
	11/7/1996	-	550 U	550 U	550 U	550 U	550 U	550 U	550 U	550 U	550 U	550 U	550 U	550 U	550 U	550 U	550 U	550 U	550 U	550 U	nd
SGP-5																					
	11/7/1996	-	370 U	370 U	370 U	520	380	370 U	370 U	390	370 U	550	370 U	490 U	1,800	370 U	370 U	370 U	1,800	1,500	6,940
USD-1																					
	11/7/1996	-	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	430 U	nd

Notes:
Concentrations are reported in ug/Kg (ppb).
U = compound was not detected at the indicated concentration.
nd = not detected.
- = data not collected/not available.
The CT RSRs do not specify cleanup criteria for sediments; therefore, no cleanup criteria are shown.

TABLE 23
TPH RESULTS FOR SEDIMENTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	TPH
SD-06			
	2/10/1998	0.0 - 1.5	367.0
SD-07			
	2/10/1998	0.0 - 0.75	72.5 U
	2/10/1998	0.75 - 1.5	74.5 U
SD-08			
	2/10/1998	0.0 - 0.75	68.6 U
	2/10/1998	0.75 - 1.5	75.8 U
SD-09			
	2/10/1998	0.0 - 1.5	65.6 U
SD-10			
	2/10/1998	0.0 - 0.75	297.0
	2/10/1998	0.75 - 1.5	331.0
SD-11			
	2/10/1998	0.0 - 1.5	76.5
SGP-1			
	11/7/1996	-	52.8 U
SGP-2			
	11/7/1996	-	264.0
SGP-3			
	11/7/1996	-	91.3
SGP-4			
	11/7/1996	-	69.0 U
SGP-5			
	11/7/1996	-	65.7
USD-1			
	11/7/1996	-	43.7 U

Notes:
Concentrations are reported in mg/Kg (ppm).
TPH = Total Petroleum Hydrocarbons.
U = compound was not detected at the indicated concentration.
- = data not collected/not available.
The CT RSRs do not specify cleanup criteria for sediments; therefore, no cleanup criteria are shown.

TABLE 24
METALS RESULTS FOR SEDIMENTS
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SD-06														
	2/10/1998	0.0 - 1.5	2.03	96.4	24	5.19 U	17.3	26	153	na	17.3 U	na	na	106
SD-07														
	2/10/1998	0.75 - 1.5	2.89	202	58	4.5 U	40.8	22.3	30 U	na	23.5	na	na	98.1
	2/10/1998	0.0 - 0.75	2.74	159	40	4.57 U	47	25.4	55.6	na	17.5	na	na	121
SD-08														
	2/10/1998	0.75 - 1.5	0.64 U	72.4	16 U	4.78 U	13.2	6.37 U	31.9 U	na	15.9 U	na	na	30.4
	2/10/1998	0.0 - 0.75	0.74	78.1	13 U	4.01 U	17.2	9.48	26.7 U	na	13.4 U	na	na	56.2
SD-09														
	2/10/1998	0.0 - 1.5	4.64	201	85	4.1 U	48.1	22.1	27.3 U	na	32.9	na	na	118
SD-10														
	2/10/1998	0.75 - 1.5	4.78	330	54	7.29 U	38.6	65.6	48.6 U	na	24.3 U	na	na	168
	2/10/1998	0.0 - 0.75	2.02	135	27	5.28 U	19.2	26.7	35.2 U	na	17.6 U	na	na	110
SD-11														
	2/10/1998	0.0 - 1.5	2.43	133	66	3.56 U	20.1	43.1	23.8 U	na	13.4	na	na	63.6
SGP-1														
	11/7/1996	-	1.31 U	36.9	30	3.94 U	19.3	6.57 U	26.3 U	0.263 U	13.1 U	1.31 U	6.57 U	23.8
SGP-2														
	11/7/1996	-	1.35 U	92.4	13 U	4.04 U	9.01	6.73 U	26.9 U	0.269 U	13.5 U	1.35 U	6.73 U	32.8
SGP-3														
	11/7/1996	-	6.53	105	74	5.88	52.9	17.8	31.5	0.226 U	30.8	1.13 U	5.65 U	55.5
SGP-4														
	11/7/1996	-	1.67 U	48.2	17 U	5 U	9.51	8.34 U	33.4 U	0.334 U	16.7 U	1.67 U	8.34 U	9.17
SGP-5														
	11/7/1996	-	1.15 U	70.3	21	3.46 U	12.2	5.77 U	23.1 U	0.231 U	11.5 U	1.15 U	5.77 U	23.8
USD-1														
	11/7/1996	-	1.48	84.1	22	4.1 U	17	11.1	27.4 U	0.274 U	13.7 U	1.37 U	6.84 U	53.6

Notes:
Concentrations are reported in mg/Kg (ppm).
U = compound was not detected at the indicated concentration.
na = not analyzed.
- = data not collected/not available.
The CT RSRs do not specify cleanup criteria for sediments; therefore, no cleanup criteria are shown.

TABLE 25
VOCs RESULTS FOR SURFACE WATER
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Acetone	Carbon Disulfide	Chloroform	MEK	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes Total /	Xylenes m,p-	Xylenes o-	Chloro-benzene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	PCE	TCE	1,1,1-TCA	cis-DCE	trans-DCE	1,1-DCE	1,1-DCA	Vinyl Chloride	Chloro-ethane
SGP-1	11/7/1996	7.0 U	1.0 U	1.0 U	2.0 U	na	1.0 U	1.0 U	1.0 U	1.0 U	na	na	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U
SGP-2	11/7/1996	4.0 U	1.0 U	1.0 U	2.0 U	na	1.0 U	1.0 U	1.0 U	1.0 U	na	na	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
SGP-3	11/7/1996	4.0 U	1.0 U	1.0 U	2.0 U	na	1.0 U	1.0 U	1.0 U	1.0 U	na	na	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
SGP-4	11/7/1996	5.0 U	6.0 U	1.0 U	2.0 U	na	1.0 U	1.0 U	1.0 U	1.0 U	na	na	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
SGP-5	11/7/1996	4.0 U	1.0 U	1.0 U	2.0 U	na	1.0 U	1.0 U	1.0 U	1.0 U	na	na	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
USD-1	11/7/1996	5.0 U	1.0 U	1.0 U	2.0 U	na	1.0 U	1.0 U	1.0 U	1.0 U	na	na	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Surface Water Cleanup Criteria		-	-	14,100	-	-	710	4,000,000	580,000	-	-	-	420,000	170,000	26,000	26,000	88	2,340	62,000	-	-	96	-	15,750	-

Notes:
Concentrations are reported in ug/L (ppb).
MEK = methyl ethyl ketone.
MTBE = methyl tertiary butyl ether.
PCE = tetrachloroethylene.
TCE = trichloroethylene.
1,1,1-TCA = 1,1,1-trichloroethane.
cis-DCE = cis-1,2-dichloroethylene.
trans-DCE = trans-1,2-dichloroethylene.
1,1-DCE = 1,1-dichloroethylene.
1,1-DCA = 1,1-dichloroethane.
U = compound was not detected at the indicated concentration.
na = not analyzed.
- = data not collected/not available.
= concentration exceeds cleanup criteria.
0.3 = detection limit exceeds cleanup criteria.

TABLE 26
SVOCs RESULTS FOR SURFACE WATER
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluroanthene	Benzo[ghi]-perylene	Benzo[k]-fluoranthene	Bis(2-ethylhexyl)-phthalate	Chrysene	Dibenz[a,h]-anthracene	Dibutyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phen-anthrene	Pyrene
SGP-1	11/7/1996	-	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	1.3 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
SGP-2	11/7/1996	-	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	1.3 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
SGP-3	11/7/1996	-	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	1.3 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
SGP-4	11/7/1996	-	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	1.3 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
SGP-5	11/7/1996	-	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	2.0 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
USD-1	11/7/1996	-	10 U	1.6 U	10 U	0.82 U	0.37 U	0.51 U	10 U	0.60 U	2.0 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 U	10 U
Surface Water Cleanup Criteria		-	0.3	1,100,000	0.3	0.3	0.3	-	0.3	59	-	-	120,000	3,700	140,000	-	-	0.077	110,000	

Notes:
Concentrations are reported in ug/Kg (ppb).
U = compound was not detected at the indicated concentration.
- = data not collected/not available.
= concentration exceeds cleanup criteria.
0.3 = detection limit exceeds cleanup criteria.

Table 27
TPH RESULTS FOR SURFACE WATER
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Depth Below Grade (feet)	TPH
SGP-1			
	11/7/1996	-	0.5 U
SGP-2			
	11/7/1996	-	0.5 U
SGP-3			
	11/7/1996	-	0.5 U
SGP-4			
	11/7/1996	-	0.5 U
SGP-5			
	11/7/1996	-	0.5 U
USD-1			
	11/7/1996	-	0.5 U

Notes:
Concentrations are reported in mg/L (ppm).
TPH = Total Petroleum Hydrocarbons.
U = compound was not detected at the indicated concentration.
- = data not collected/not available.

TABLE 28
METALS RESULTS FOR SURFACE WATER
Broad Brook Mill Site, East Windsor, CT

Sample Location	Sample Date	Arsenic	Barium	Boron	Cadmium	Chromium	Copper	Lead	Nickel	Zinc
SGP-1										
	11/7/1996	0.004 U	0.109	0.1 U	0.0010 U	0.050 U	0.030 U	0.0050 U	0.10 U	0.050 U
	2/10/1998	na	na	na	na	na	0.0040 U	na	na	na
SGP-2										
	11/7/1996	0.004 U	0.110	0.1 U	0.0010 U	0.050 U	0.030 U	0.0050 U	0.10 U	0.050 U
	2/10/1998	na	na	na	na	na	0.0040 U	na	na	na
SGP-3										
	11/7/1996	0.004 U	0.108	0.1 U	0.0010 U	0.050 U	0.030 U	0.0050 U	0.10 U	0.050 U
	2/10/1998	na	na	na	na	na	0.0040 U	na	na	na
SGP-4										
	11/7/1996	0.004 U	0.107	0.1 U	0.0010 U	0.050 U	0.030 U	0.0050 U	0.10 U	0.050 U
	2/10/1998	na	na	na	na	na	0.0040 U	na	na	na
SGP-5										
	11/7/1996	0.004 U	0.107	0.1 U	0.0010 U	0.050 U	0.030 U	0.0050 U	0.10 U	0.050 U
	2/10/1998	na	na	na	na	na	0.0040 U	na	na	na
USD-1										
	11/7/1996	0.004 U	0.107	0.1 U	0.0010 U	0.050 U	0.030 U	0.0050 U	0.10 U	0.050 U

Notes:
Concentrations are reported in mg/L (ppm).
U = compound was not detected at the indicated concentration.
na = not analyzed.
- = data not collected/not available.
* = criteria for total chromium is not specified in the RSRs. Therefore, the values for trivalent chromium (III) / hexavalent chromium (VI) were selected for data evaluation purposes.
= concentration exceeds cleanup criteria.

Surface Water Cleanup Criteria	0.004	-	-	0.006	1.2 / 0.11 *	0.048	0.013	0.88	0.123

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
MW-01	62.42			
		1/07/97	4.55	57.87
		2/06/98	4.70	57.72
		11/18/03	4.81	57.61
		2/26/04	5.01	57.41
		5/10/04	4.80	57.62
		8/02/04	5.38	57.04
		11/16/04	5.15	57.27
		2/10/05	4.92	57.50
		5/12/05	4.82	57.60
		8/09/05	5.41	57.01
		1/11/06	3.99	58.43
MW-02	64.24			
		1/07/97	7.64	56.60
		2/06/98	7.59	56.65
		11/18/03	7.62	56.62
		2/26/04	8.32	55.92
		5/10/04	7.98	56.26
		8/02/04	8.63	55.61
		11/16/04	8.30	55.94
		2/09/05	7.85	56.39
		5/11/05	7.07	57.17
		8/10/05	8.67	55.57
		1/11/06	6.20	58.04
MW-03	63.20			
		1/07/97	8.14	55.06
		2/06/98	6.33	56.87
		3/13/98	6.20	57.00
		3/26/98	9.05	54.15
		11/18/03	8.36	54.84
		2/26/04	8.62	54.58
		5/10/04	7.63	55.57
		8/02/04	9.43	53.77
		11/16/04	8.73	54.47
		2/08/05	8.40	54.80
		5/11/05	7.71	55.49
		8/10/05	9.50	53.70
		1/11/06	6.74	56.46

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
MW-04	66.97			
		1/07/97	7.73	59.24
		2/04/98	7.90	59.07
		11/18/03	7.87	59.10
		2/26/04	6.19	60.78
		5/10/04	7.60	59.37
		8/02/04	9.22	57.75
		11/16/04	8.81	58.16
		2/09/05	8.57	58.40
		5/10/05	7.66	59.31
		8/09/05	9.14	57.83
		1/11/06	5.22	61.75
MW-05	63.50			
		1/07/97	8.40	55.10
		2/04/98	8.45	55.05
		11/18/03	8.75	54.75
		2/26/04	8.83	54.67
		5/10/04	8.40	55.10
		8/02/04	9.20	54.30
		11/16/04	8.96	54.54
		2/09/05	8.95	54.55
		5/12/05	8.60	54.90
		8/09/05	9.27	54.23
		1/11/06	8.12	55.38
MW-06	76.59			
		1/07/97	11.13	65.46
		2/04/98	11.05	65.54
		11/18/03	11.65	64.94
		2/26/04	12.38	64.21
		5/10/04	10.98	65.61
		8/02/04	12.82	63.77
		11/16/04	12.65	63.94
		2/10/05	11.87	64.72
		5/10/05	11.27	65.32
		8/10/05	12.82	63.77
		1/11/06	10.70	65.89

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)		Water Elevation (ft MSL)
MW-07	71.90				
		1/07/97	5.50		66.40
		2/06/98	5.75		66.15
		11/18/03	5.74		66.16
		2/26/04	6.46		65.44
		5/10/04	5.07		66.83
		8/02/04	7.13		64.77
		11/16/04	6.51		65.39
		1/11/06	4.41		67.49
MW-08	73.98				
		3/13/98	6.92		67.06
		11/18/03	---	Well Dry - No Data	---
		2/26/04	---	Well Dry - No Data	---
		5/10/04	7.39		66.59
		8/02/04	---	Well Dry - No Data	---
		11/16/04	---	Well Dry - No Data	---
		1/11/06	---	Well Dry - No Data	---
MW-09	65.36				
		1/07/97	8.27		57.09
		2/06/98	8.35		57.01
		11/18/03	8.48		56.88
		2/26/04	8.81		56.55
		5/10/04	8.42		56.94
		8/02/04	8.89		56.47
		11/16/04	8.93		56.43
		2/07/05	8.75		56.61
		5/10/05	8.53		56.83
		1/11/06	8.31		57.05
MW-10	67.29				
		1/08/97	7.41		59.88
		2/06/98	7.89		59.40
		3/12/98	7.01		60.28
		11/18/03	7.35		59.94
		2/26/04	8.80		58.49
		5/10/04	7.55		59.74
		8/02/04	8.42		58.87
		11/16/04	8.09		59.20
		2/10/05	8.09		59.20
		5/11/05	7.95		59.34
		8/09/05	9.17		58.12
		1/11/06	6.36		60.93

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
MW-11D	57.96			
		1/07/97	4.50	53.46
		2/04/98	5.02	52.94
		11/18/03	4.63	53.33
		12/12/03	4.94	53.02
		1/23/04	4.87	53.09
		2/26/04	4.96	53.00
		5/10/04	4.83	53.13
		7/23/04	5.18	52.78
		8/02/04	5.06	52.90
		9/02/04	5.00	52.96
		11/16/04	4.88	53.08
		2/09/05	4.64	53.32
		5/11/05	4.67	53.29
		8/09/05	5.09	52.87
		1/11/06	4.50	53.46
MW-11S	58.15			
		1/07/97	5.19	52.96
		2/04/98	8.36	49.79
		11/18/03	5.75	52.40
		12/12/03	5.00	53.15
		1/23/04	5.74	52.41
		2/26/04	5.80	52.35
		3/26/04	5.35	52.80
		4/30/04	5.02	53.13
		5/10/04	5.30	52.85
		6/18/04	5.96	52.19
		7/23/04	6.29	51.86
		8/02/04	6.06	52.09
		9/02/04	6.24	51.91
		10/15/04	6.08	52.07
		11/16/04	5.92	52.23
		1/11/06	4.40	53.75

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
MW-12	60.27			
		2/09/98	7.20	53.07
		3/12/98	6.90	53.37
		11/18/03	7.15	53.12
		12/12/03	6.80	53.47
		1/23/04	7.38	52.89
		2/26/04	7.30	52.97
		3/26/04	7.25	53.02
		4/30/04	6.89	53.38
		5/10/04	7.10	53.17
		6/18/04	7.57	52.70
		7/23/04	7.68	52.59
		8/02/04	7.81	52.46
		9/02/04	7.76	52.51
		10/15/04	7.45	52.82
		11/16/04	7.22	53.05
		2/07/05	7.24	53.03
		5/11/05	7.20	53.07
		8/09/05	7.80	52.47
		1/11/06	6.63	53.64
MW-13D	67.60			
		2/06/98	9.90	57.70
		3/11/98	8.45	59.15
		11/18/03	9.85	57.75
		2/26/04	10.24	57.36
		5/10/04	9.51	58.09
		8/02/04	10.78	56.82
		11/16/04	10.39	57.21
		1/11/06	9.58	58.02
MW-13S	68.20			
		2/06/98	9.98	58.22
		3/11/98	8.25	59.95
		11/18/03	10.28	57.92
		2/26/04	10.48	57.72
		5/10/04	9.70	58.50
		8/02/04	10.89	57.31
		11/16/04	10.62	57.58
		1/11/06	9.30	58.90

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
MW-14	71.54			
		2/06/98	9.05	62.49
		3/12/98	8.00	63.54
		11/18/03	9.19	62.35
		2/26/04	9.73	61.81
		5/10/04	8.99	62.55
		8/02/04	9.92	61.62
		11/16/04	9.64	61.90
		1/11/06	8.93	62.61
MW-15	69.38			
		2/06/98	7.30	62.08
		3/12/98	5.25	64.13
		11/18/03	7.74	61.64
		2/26/04	8.87	60.51
		5/10/04	7.38	62.00
		8/02/04	9.64	59.74
		11/16/04	9.09	60.29
		1/11/06	4.96	64.42
MW-16	69.07			
		2/06/98	7.82	61.25
		3/12/98	6.60	62.47
		11/18/03	8.04	61.03
		2/26/04	8.61	60.46
		5/10/04	7.81	61.26
		8/02/04	9.61	59.46
		11/16/04	9.03	60.04
		1/11/06	7.12	61.95
MW-17D	63.03			
		2/09/98	6.20	56.83
		3/11/98	5.45	57.58
		11/18/03	6.31	56.72
		2/26/04	6.52	56.51
		5/10/04	6.12	56.91
		8/02/04	6.81	56.22
		11/16/04	6.63	56.40
		2/08/05	6.50	56.53
		5/12/05	6.22	56.81
		8/09/05	6.87	56.16
		1/11/06	5.78	57.25

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
MW-17S	63.06			
		2/09/98	6.50	56.56
		3/11/98	5.98	57.08
		11/18/03	6.62	56.44
		2/26/04	6.75	56.31
		5/10/04	6.61	56.45
		8/02/04	6.84	56.22
		11/16/04	6.79	56.27
		2/08/05	6.75	56.31
		5/11/05	6.57	56.49
		8/09/05	6.80	56.26
		1/11/06	6.13	56.93
MW-18D	64.79			
		2/09/98	8.33	56.46
		3/11/98	7.38	57.41
		11/18/03	8.24	56.55
		2/26/04	8.51	56.28
		5/10/04	7.96	56.83
		8/02/04	8.88	55.91
		11/16/04	8.47	56.32
		2/09/05	8.32	56.47
		5/11/05	8.07	56.72
		8/09/05	8.83	55.96
		1/11/06	7.45	57.34
MW-18S	64.84			
		2/09/98	8.00	56.84
		3/11/98	6.66	58.18
		11/18/03	7.97	56.87
		2/26/04	8.73	56.11
		5/10/04	7.46	57.38
		8/02/04	9.23	55.61
		11/16/04	8.56	56.28
		2/09/05	8.23	56.61
		5/11/05	7.54	57.30
		8/09/05	9.26	55.58
		1/11/06	6.80	58.04

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
MW-19	67.16			
		2/09/98	7.93	59.23
		3/12/98	7.04	60.12
		11/18/03	7.69	59.47
		2/26/04	8.52	58.64
		5/10/04	7.71	59.45
		8/02/04	9.79	57.37
		11/16/04	9.22	57.94
		2/09/05	8.00	59.16
		5/10/05	7.70	59.46
		8/09/05	9.80	57.36
		1/11/06	7.25	59.91
MW-20	68.69			
		2/06/98	7.00	61.69
		3/12/98	6.15	62.54
		11/18/03	7.16	61.53
		2/26/04	9.19	59.50
		5/10/04	7.05	61.64
		8/02/04	9.77	58.92
		11/16/04	9.38	59.31
		2/09/05	7.77	60.92
		5/11/05	7.34	61.35
		8/08/05	11.55	57.14
		1/11/06	6.25	62.44
MW-21	71.63			
		2/09/98	3.65	67.98
		3/12/98	2.50	69.13
		11/18/03	2.91	68.72
		2/26/04	3.43	68.20
		5/10/04	2.72	68.91
		8/02/04	3.78	67.85
		11/16/04	3.24	68.39
		2/09/05	3.09	68.54
		5/10/05	2.76	68.87
		8/10/05	4.35	67.28
		1/11/06	2.24	69.39

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
MW-22	62.75			
		2/09/98	8.00	54.75
		3/12/98	7.15	55.60
		11/18/03	7.75	55.00
		12/12/03	7.75	55.00
		1/23/04	8.15	54.60
		2/26/04	8.33	54.42
		3/26/04	7.88	54.87
		4/30/04	7.30	55.45
		5/10/04	7.62	55.13
		6/18/04	8.37	54.38
		7/23/04	8.70	54.05
		8/02/04	8.65	54.10
		9/02/04	9.00	53.75
		10/15/04	8.38	54.37
		11/16/04	8.24	54.51
		2/08/05	8.10	54.65
		5/11/05	7.74	55.01
		8/09/05	8.78	53.97
		1/11/06	7.37	55.38
MW-23D	63.40			
		2/09/98	9.85	53.55
		3/11/98	9.36	54.04
		11/18/03	9.82	53.58
		12/12/03	9.30	54.10
		1/23/04	9.71	53.69
		2/26/04	10.14	53.26
		5/10/04	9.77	53.63
		7/23/04	10.19	53.21
		8/02/04	10.16	53.24
		9/02/04	10.09	53.31
		11/16/04	9.72	53.68
		2/08/05	9.78	53.62
		5/10/05	9.72	53.68
		1/11/06	9.08	54.32

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
MW-23S	63.34			
		2/09/98	7.66	55.68
		3/11/98	7.36	55.98
		3/26/98	7.35	55.99
		11/18/03	7.75	55.59
		12/12/03	5.54	57.80
		1/23/04	8.13	55.21
		2/26/04	5.03	58.31
		3/26/04	7.36	55.98
		4/30/04	6.47	56.87
		5/10/04	7.45	55.89
		6/18/04	8.90	54.44
		7/23/04	10.19	53.15
		8/02/04	10.18	53.16
		9/02/04	10.22	53.12
		10/15/04	8.66	54.68
		11/16/04	8.49	54.85
		2/07/05	8.17	55.17
		5/10/05	7.67	55.67
		1/11/06	5.06	58.28
MW-24BR	67.54			
		3/06/98	4.95	62.59
		3/13/98	4.30	63.24
		11/18/03	4.88	62.66
		2/26/04	5.02	62.52
		5/10/04	4.76	62.78
		8/02/04	4.70	62.84
		11/16/04	5.10	62.44
		1/11/06	4.29	63.25

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
MW-25	63.71			
		2/09/98	4.15	59.56
		3/12/98	3.65	60.06
		11/18/03	3.82	59.89
		12/12/03	4.60	59.11
		1/23/04	4.21	59.50
		2/26/04	4.22	59.49
		3/26/04	4.15	59.56
		4/30/04	3.96	59.75
		5/10/04	4.07	59.64
		6/18/04	4.29	59.42
		7/23/04	4.39	59.32
		8/02/04	4.44	59.27
		9/02/04	3.75	59.96
		10/15/04	4.31	59.40
		11/16/04	4.44	59.27
		1/11/06	3.58	60.13
MW-26	62.05			
		2/10/98	2.43	59.62
		3/12/98	2.40	59.65
		11/18/03	2.24	59.81
		12/12/03	2.60	59.45
		1/23/04	2.53	59.52
		2/26/04	2.70	59.35
		3/26/04	2.27	59.78
		4/30/04	2.11	59.94
		5/10/04	2.19	59.86
		6/18/04	2.43	59.62
		7/23/04	2.52	59.53
		8/02/04	2.55	59.50
		9/02/04	2.48	59.57
		10/15/04	2.43	59.62
		11/16/04	2.69	59.36
		2/10/05	1.90	60.15
		5/12/05	2.28	59.77
		8/10/05	--- No Data ---	
		1/11/06	1.66	60.39

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
MW-27D	66.05			
		2/09/98	8.53	57.52
		3/11/98	7.52	58.53
		11/18/03	8.67	57.38
		2/26/04	8.83	57.22
		5/10/04	8.45	57.60
		8/02/04	9.01	57.04
		11/16/04	7.84	58.21
		1/11/06	8.13	57.92
MW-27S	66.27			
		2/09/98	7.92	58.35
		3/11/98	7.21	59.06
		11/18/03	7.95	58.32
		2/26/04	8.20	58.07
		5/10/04	7.98	58.29
		8/02/04	8.36	57.91
		11/16/04	8.36	57.91
		2/09/05	8.01	58.26
		5/10/05	7.95	58.32
		8/08/05	8.52	57.75
		1/11/06	7.26	59.01
MW-28	66.79			
		2/09/98	9.58	57.21
		3/12/98	7.50	59.29
		11/18/03	9.34	57.45
		2/26/04	10.06	56.73
		5/10/04	9.02	57.77
		8/02/04	10.40	56.39
		11/16/04	10.07	56.72
		1/11/06	8.48	58.31
MW-29BR	66.58			
		3/06/98	7.05	59.53
		3/13/98	6.50	60.08
		11/18/03	6.97	59.61
		2/26/04	7.82	58.76
		5/10/04	6.58	60.00
		8/02/04	7.09	59.49
		11/16/04	7.19	59.39
		2/09/05	7.20	59.38
		5/10/05	6.82	59.76
		8/09/05	7.07	59.51
		1/11/06	6.86	59.72

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
MW-30BR	65.50			
		3/06/98	7.95	57.55
		3/13/98	8.45	57.05
		11/18/03	4.91	60.59
		2/26/04	6.65	58.85
		5/10/04	5.81	59.69
		8/02/04	5.40	60.10
		11/16/04	5.56	59.94
		2/10/05	5.53	59.97
		5/11/05	4.85	60.65
		8/10/05	4.83	60.67
		1/11/06	7.43	58.07
MW-31BR	64.04			
		3/06/98	9.17	54.87
		3/13/98	8.90	55.14
		11/18/03	8.95	55.09
		2/26/04	9.00	55.04
		5/10/04	9.33	54.71
		8/02/04	9.42	54.62
		11/16/04	8.82	55.22
		2/09/05	9.11	54.93
		5/11/05	10.11	53.93
		8/10/05	9.38	54.66
		1/11/06	8.37	55.67
MW-32	62.05			
		3/26/98	8.00	54.05
		11/18/03	8.47	53.58
		2/26/04	8.60	53.45
		5/10/04	8.67	53.38
		8/02/04	9.31	52.74
		11/16/04	8.92	53.13
		1/11/06	--- No Data ---	
MW-33	64.88			
		3/26/98	8.25	56.63
		11/18/03	8.51	56.37
		2/26/04	8.68	56.20
		5/10/04	8.65	56.23
		8/02/04	8.82	56.06
		11/16/04	8.98	55.90
		2/10/05	8.71	56.17
		5/10/05	8.55	56.33
		8/10/05	8.85	56.03
		1/11/06	8.43	56.45

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
MW-34	65.65			
		3/26/98	9.75	55.90
		11/18/03	10.02	55.63
		2/26/04	10.20	55.45
		5/10/04	10.08	55.57
		8/02/04	10.29	55.36
		11/16/04	10.20	55.45
		2/10/05	10.15	55.50
		5/11/05	10.12	55.53
		8/08/05	10.28	55.37
		1/11/06	9.83	55.82
MW-35D	65.34			
		11/18/03	8.53	56.81
		12/12/03	8.06	57.28
		1/23/04	8.25	57.09
		2/26/04	8.66	56.68
		5/10/04	8.06	57.28
		7/23/04	8.22	57.12
		8/02/04	9.11	56.23
		9/02/04	8.91	56.43
		11/16/04	7.96	57.38
		2/08/05	8.42	56.92
		5/10/05	8.19	57.15
		1/11/06	7.02	58.32
MW-35S	65.39			
		11/18/03	7.75	57.64
		12/12/03	6.86	58.53
		1/23/04	7.90	57.49
		2/26/04	7.89	57.50
		3/26/04	7.80	57.59
		4/30/04	7.43	57.96
		5/10/04	7.68	57.71
		6/18/04	8.01	57.38
		7/23/04	9.00	56.39
		8/02/04	8.20	57.19
		9/02/04	8.13	57.26
		10/15/04	8.00	57.39
		11/16/04	8.74	56.65
		1/11/06	8.08	57.31

TABLE 29
GROUNDWATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Monitoring Well	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
PZ-1	63.24			
		11/18/03	5.49	57.75
		12/12/03	4.90	58.34
		1/23/04	5.75	57.49
		2/26/04	5.72	57.52
		3/26/04	5.62	57.62
		4/30/04	5.41	57.83
		5/10/04	5.51	57.73
		6/18/04	5.86	57.38
		7/23/04	6.04	57.20
		8/02/04	5.92	57.32
		9/02/04	5.91	57.33
		10/15/04	5.82	57.42
		11/16/04	5.77	57.47
PZ-2	64.38			
		11/18/03	7.43	56.95
		12/12/03	6.90	57.48
		1/23/04	7.50	56.88
		2/26/04	7.67	56.71
		3/26/04	7.11	57.27
		4/30/04	6.74	57.64
		5/10/04	7.05	57.33
		6/18/04	8.35	56.03
		7/23/04	9.59	54.79
		8/02/04	9.74	54.64
		9/02/04	9.36	55.02
		10/15/04	7.93	56.45
		11/16/04	7.75	56.63

Notes:
ft TOC = feet below top of casing.
ft MSL = feet above mean sea level.

TABLE 30
STREAM GAUGE DETAILS
Broad Brook Mill Site, East Windsor, CT

Stream Gauge	Installation Date	Coordinates		Reference Elevation (ft MSL)
		Northing	Easting	
SGX-1	11/14/2003	394,975.46	655,174.63	61.31
SGX-2	11/12/2003	394,982.13	655,092.48	60.87
SGX-3	11/14/2003	394,984.64	654,966.56	59.16
SGX-4	11/14/2003	394,888.96	654,801.49	59.38
SGX-5	11/14/2003	394,694.56	654,806.35	58.37
SGX-6	11/12/2003	394,537.90	654,811.65	58.77
SGX-7	11/12/2003	394,419.35	654,795.80	52.99
SGX-8	11/12/2003	394,320.48	654,754.64	51.66
SGX-9	11/12/2003	394,185.76	654,696.63	51.07

Notes:
ft MSL = feet above mean sea level.

TABLE 31
SURFACE WATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Stream Gauge	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)				Water Elevation (ft MSL)
SGX-1	61.31						
		11/18/03	1.45				59.86
		12/12/03	1.10				60.21
		1/23/04	1.38				59.93
		2/26/04	1.63				59.68
		3/26/04	1.47				59.84
		4/30/04	1.29				60.02
		5/10/04	1.44				59.87
		6/18/04	1.59				59.72
		7/23/04	1.64				59.67
		8/02/04	1.74	---	Estimated	---	59.57
		9/02/04	1.55				59.76
		10/15/04	1.53				59.78
		11/16/04	1.65				59.66
SGX-2	60.87						
		11/18/03	1.21				59.66
		12/12/03	0.90				59.97
		1/23/04	0.95				59.92
		2/26/04	1.30				59.57
		3/26/04	1.59				59.28
		4/30/04	1.05				59.82
		5/10/04	1.12				59.75
		6/18/04	1.31				59.56
		7/23/04	1.25				59.62
		8/02/04	1.15	---	Estimated	---	59.72
		9/02/04	1.25				59.62
		10/15/04	1.19				59.68
		11/16/04	1.33				59.54
SGX-3	59.16						
		11/18/03	1.13				58.03
		12/12/03	0.70				58.46
		1/23/04	1.54				57.62
		2/26/04	1.58				57.58
		3/26/04	1.46				57.70
		4/30/04	1.20				57.96
		5/10/04	1.27				57.89
		6/18/04	1.57				57.59
		7/23/04	1.61				57.55
		8/02/04	1.60	---	Estimated	---	57.56
		9/02/04	1.61				57.55
		10/15/04	1.37				57.79
		11/16/04	1.31				57.85

TABLE 31
SURFACE WATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Stream Gauge	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)	Water Elevation (ft MSL)
SGX-4	59.38			
		11/18/03	1.59	57.79
		12/12/03	1.30	58.08
		1/23/04	2.00	57.38
		2/26/04	1.60	57.78
		3/26/04	1.73	57.65
		4/30/04	1.68	57.70
		5/10/04	1.77	57.61
		6/18/04	1.99	57.39
		7/23/04	2.13	57.25
		8/02/04	2.02	57.36
		9/02/04	2.01	57.37
		10/15/04	1.89	57.49
		11/16/04	1.92	57.46
SGX-5	58.37			
		11/18/03	1.16	57.21
		12/12/03	0.80	57.57
		1/23/04	1.47	56.90
		2/26/04	1.42	56.95
		3/26/04	1.36	57.01
		4/30/04	1.21	57.16
		5/10/04	1.28	57.09
		6/18/04	1.51	56.86
		7/23/04	1.59	56.78
		8/02/04	1.57	56.80
		9/02/04	1.49	56.88
		10/15/04	1.47	56.90
		11/16/04	1.45	56.92
SGX-6	58.77			
		11/18/03	1.00	57.77
		12/12/03	0.71	58.06
		1/23/04	1.37	57.40
		2/26/04	1.31	57.46
		3/26/04	1.25	57.52
		4/30/04	1.13	57.64
		5/10/04	1.18	57.59
		6/18/04	1.40	57.37
		7/23/04	1.51	57.26
		8/02/04	1.40	57.37
		9/02/04	1.39	57.38
		10/15/04	1.29	57.48
		11/16/04	1.33	57.44

TABLE 31
SURFACE WATER ELEVATION GAUGING DATA
Broad Brook Mill Site, East Windsor, CT

Stream Gauge	Casing Elevation (ft MSL)	Date	Depth to Water (ft TOC)		Water Elevation (ft MSL)
SGX-7	52.99				
		11/18/03	1.47		51.52
		12/12/03	1.50		51.49
		1/23/04	1.51		51.48
		2/26/04	1.71		51.28
		3/26/04	1.69		51.30
		4/30/04	1.48		51.51
		5/10/04	1.55		51.44
		6/18/04	1.63		51.36
		7/23/04	1.53		51.46
		8/02/04	1.54		51.45
		9/02/04	1.54		51.45
		10/15/04	1.49		51.50
		11/16/04	1.52		51.47
SGX-8	51.66				
		11/18/03	1.11		50.55
		12/12/03	0.90		50.76
		1/23/04	1.24		50.42
		2/26/04	1.20		50.46
		3/26/04	1.13		50.53
		4/30/04	0.96		50.70
		5/10/04	1.04		50.62
		6/18/04	1.24		50.42
		7/23/04	1.33		50.33
		8/02/04	1.26		50.40
		9/02/04	1.32		50.34
		10/15/04	1.22		50.44
		11/16/04	1.22		50.44
SGX-9	51.07				
		11/18/03	0.87		50.20
		12/12/03	0.59		50.48
		1/23/04	1.21		49.86
		2/26/04	1.04		50.03
		3/26/04	0.99		50.08
		4/30/04	---	Not Found - No Data	---
		5/10/04	0.50		50.57
		6/18/04	0.55		50.52
		7/23/04	0.60		50.47
		8/02/04	---	Not Found - No Data	---
		9/02/04	0.60		50.47
		10/15/04	---	Not Found - No Data	---
		11/16/04	---	Not Found - No Data	---

Notes:
ft MSL = feet above mean sea level.
ft TOC = feet below top of casing.

TABLE 32
SURFACE WATER - GROUNDWATER INTERACTION DATA
Broad Brook Mill Site, East Windsor, CT

Stream Gauge : Monitoring Well Pair	Sample Date	Depth to Surface Water (ft)	Surface Water Elevation (ft MSL)	Depth to Groundwater (ft TOC)	Groundwater Elevation (ft MSL)	Elevation Difference Surface Water - Groundwater (ft)
SGX-1 : MW-26						
	11/18/03	1.45	59.86	2.24	59.81	0.05
	12/12/03	1.10	60.21	2.60	59.45	0.76
	1/23/04	1.38	59.98	2.53	59.52	0.46
	2/26/04	1.63	59.73	2.70	59.35	0.38
	3/26/04	1.47	59.89	2.27	59.78	0.11
	4/30/04	1.29	60.07	2.11	59.94	0.13
	5/10/04	1.44	59.92	2.19	59.86	0.06
	6/18/04	1.59	59.77	2.43	59.62	0.15
	7/23/04	1.64	59.72	2.52	59.53	0.19
	8/02/04	1.74	59.62	2.55	59.50	0.12
	9/02/04	1.55	59.81	2.48	59.57	0.24
	10/15/04	1.53	59.83	2.43	59.62	0.21
	11/16/04	1.65	59.71	2.69	59.36	0.35
SGX-2 : MW-25						
	11/18/03	1.21	59.66	3.82	59.89	*-0.23*
	12/12/03	0.90	59.97	4.60	59.11	0.86
	1/23/04	0.95	59.94	4.21	59.50	0.44
	2/26/04	1.30	59.59	4.22	59.49	0.10
	3/26/04	1.59	59.30	4.15	59.56	*-0.26*
	4/30/04	1.05	59.84	3.96	59.75	0.09
	5/10/04	1.12	59.77	4.07	59.64	0.13
	6/18/04	1.31	59.58	4.29	59.42	0.16
	7/23/04	1.25	59.64	4.39	59.32	0.32
	8/02/04	1.15	59.74	4.44	59.27	0.47
	9/02/04	1.25	59.64	3.75	59.96	*-0.32*
	10/15/04	1.19	59.70	4.31	59.40	0.30
	11/16/04	1.33	59.56	4.44	59.27	0.29
SGX-3 : MW-35						
	11/18/03	1.13	58.03	7.75	57.64	0.39
	12/12/03	0.70	58.46	6.86	58.53	*-0.07*
	1/23/04	1.54	58.60	7.90	57.49	1.11
	2/26/04	1.58	58.56	7.89	57.50	1.06
	3/26/04	1.46	58.68	7.80	57.59	1.09
	4/30/04	1.20	58.94	7.43	57.96	0.98
	5/10/04	1.27	58.87	7.68	57.71	1.16
	6/18/04	1.57	58.57	8.01	57.38	1.19
	7/23/04	1.61	58.53	9.00	56.39	2.14
	8/02/04	1.60	58.54	8.20	57.19	1.35
	9/02/04	1.61	58.53	8.13	57.26	1.27
	10/15/04	1.37	58.77	8.00	57.39	1.38
	11/16/04	1.31	58.83	8.74	56.65	2.18

TABLE 32
SURFACE WATER - GROUNDWATER INTERACTION DATA
Broad Brook Mill Site, East Windsor, CT

Stream Gauge : Monitoring Well Pair	Sample Date	Depth to Surface Water (ft)	Surface Water Elevation (ft MSL)	Depth to Groundwater (ft TOC)	Groundwater Elevation (ft MSL)	Elevation Difference Surface Water - Groundwater (ft)
SGX-4 : PZ-1						
	11/18/03	1.59	57.79	5.49	57.75	0.04
	12/12/03	1.30	58.08	4.90	58.34	*-0.26*
	1/23/04	2.00	57.34	5.75	57.49	*-0.15*
	2/26/04	1.60	57.74	5.72	57.52	0.22
	3/26/04	1.73	57.61	5.62	57.62	*-0.01*
	4/30/04	1.68	57.66	5.41	57.83	*-0.17*
	5/10/04	1.77	57.57	5.51	57.73	*-0.16*
	6/18/04	1.99	57.35	5.86	57.38	*-0.03*
	7/23/04	2.13	57.21	6.04	57.20	0.01
	8/02/04	2.02	57.32	5.92	57.32	0.00
	9/02/04	2.01	57.33	5.91	57.33	0.00
	10/15/04	1.89	57.45	5.82	57.42	0.03
	11/16/04	1.92	57.42	5.77	57.47	*-0.05*
SGX-5 : PZ-2						
	11/18/03	1.16	57.21	7.43	56.95	0.26
	12/12/03	0.80	57.57	6.90	57.48	0.09
	1/23/04	1.47	57.51	7.50	56.88	0.63
	2/26/04	1.42	57.56	7.67	56.71	0.85
	3/26/04	1.36	57.62	7.11	57.27	0.35
	4/30/04	1.21	57.77	6.74	57.64	0.13
	5/10/04	1.28	57.70	7.05	57.33	0.37
	6/18/04	1.51	57.47	8.35	56.03	1.44
	7/23/04	1.59	57.39	9.59	54.79	2.60
	8/02/04	1.57	57.41	9.74	54.64	2.77
	9/02/04	1.49	57.49	9.36	55.02	2.47
	10/15/04	1.47	57.51	7.93	56.45	1.06
	11/16/04	1.45	57.53	7.75	56.63	0.90
SGX-6 : MW-23						
	11/18/03	1.00	57.77	7.75	55.59	2.18
	12/12/03	0.71	58.06	5.54	57.80	0.26
	1/23/04	1.37	57.42	8.13	55.21	2.21
	2/26/04	1.31	57.48	5.03	58.31	*-0.83*
	3/26/04	1.25	57.54	7.36	55.98	1.56
	4/30/04	1.13	57.66	6.47	56.87	0.79
	5/10/04	1.18	57.61	7.45	55.89	1.72
	6/18/04	1.40	57.39	8.90	54.44	2.95
	7/23/04	1.51	57.28	10.19	53.15	4.13
	8/02/04	1.40	57.39	10.18	53.16	4.23
	9/02/04	1.39	57.40	10.22	53.12	4.28
	10/15/04	1.29	57.50	8.66	54.68	2.82
	11/16/04	1.33	57.46	8.49	54.85	2.61

TABLE 32
SURFACE WATER - GROUNDWATER INTERACTION DATA
Broad Brook Mill Site, East Windsor, CT

Stream Gauge : Monitoring Well Pair	Sample Date	Depth to Surface Water (ft)	Surface Water Elevation (ft MSL)	Depth to Groundwater (ft TOC)	Groundwater Elevation (ft MSL)	Elevation Difference Surface Water - Groundwater (ft)
SGX-7 : MW-22						
	11/18/03	1.47	51.52	7.75	55.00	*-3.48*
	12/12/03	1.50	51.49	7.75	55.00	*-3.51*
	1/23/04	1.51	51.52	8.15	54.60	*-3.08*
	2/26/04	1.71	51.32	8.33	54.42	*-3.10*
	3/26/04	1.69	51.34	7.88	54.87	*-3.53*
	4/30/04	1.48	51.55	7.30	55.45	*-3.90*
	5/10/04	1.55	51.48	7.62	55.13	*-3.65*
	6/18/04	1.63	51.40	8.37	54.38	*-2.98*
	7/23/04	1.53	51.50	8.70	54.05	*-2.55*
	8/02/04	1.54	51.49	8.65	54.10	*-2.61*
	9/02/04	1.54	51.49	9.00	53.75	*-2.26*
	10/15/04	1.49	51.54	8.38	54.37	*-2.83*
	11/16/04	1.52	51.51	8.24	54.51	*-3.00*
SGX-8 : MW-12						
	11/18/03	1.11	50.55	7.15	53.12	*-2.57*
	12/12/03	0.90	50.76	6.80	53.47	*-2.71*
	1/23/04	1.24	50.42	7.38	52.89	*-2.47*
	2/26/04	1.20	50.46	7.30	52.97	*-2.51*
	3/26/04	1.13	50.53	7.25	53.02	*-2.49*
	4/30/04	0.96	50.70	6.89	53.38	*-2.68*
	5/10/04	1.04	50.62	7.10	53.17	*-2.55*
	6/18/04	1.24	50.42	7.57	52.70	*-2.28*
	7/23/04	1.33	50.33	7.68	52.59	*-2.26*
	8/02/04	1.26	50.40	7.81	52.46	*-2.06*
	9/02/04	1.32	50.34	7.76	52.51	*-2.17*
	10/15/04	1.22	50.44	7.45	52.82	*-2.38*
	11/16/04	1.22	50.44	7.22	53.05	*-2.61*
SGX-9 : MW-11						
	11/18/03	0.87	50.20	5.75	52.40	*-2.20*
	12/12/03	0.59	50.48	5.00	53.15	*-2.67*
	1/23/04	1.21	49.34	5.74	52.41	*-3.07*
	2/26/04	1.04	49.51	5.80	52.35	*-2.84*
	3/26/04	0.99	49.56	5.35	52.80	*-3.24*
	4/30/04	nm	nm	5.02	53.13	
	5/10/04	0.50	50.05	5.30	52.85	*-2.80*
	6/18/04	0.55	50.00	5.96	52.19	*-2.19*
	7/23/04	0.60	49.95	6.29	51.86	*-1.91*
	8/02/04	nm	nm	6.06	52.09	
	9/02/04	0.60	49.95	6.24	51.91	*-1.96*
	10/15/04	nm	nm	6.08	52.07	
	11/16/04	nm	nm	5.92	52.23	

TABLE 32
SURFACE WATER - GROUNDWATER INTERACTION DATA
Broad Brook Mill Site, East Windsor, CT

Stream Gauge : Monitoring Well Pair	**Sample Date**	Depth to Surface Water (ft)	Surface Water Elevation (ft MSL)	Depth to Groundwater (ft TOC)	Groundwater Elevation (ft MSL)	Elevation Difference Surface Water - Groundwater (ft)

Notes:
ft = feet.
ft TOC = feet below top of casing.
ft MSL = feet above mean sea level.
nm = not measured.
Positive difference values indicate instances when surface water is recharging groundwater.
Negative difference values indicate instances when groundwater is discharging to surface water.

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
STATE – RCSA 22a-449(c)-100-101 Hazardous Waste Management: Generator & Handler Requirements – General Standards, Listing & Identification	AR	These sections establish standards for listing and identification of hazardous waste. The standards of 40 CFR Parts 260-261 are incorporated by reference. Chromium is not exempted from listing as a hazardous waste. The Hazardous Waste Regulations (in their entirety) are available from DEP's website at http://www.dep.state.ct.us/wst/hw/hwregs.htm and http://www.dep.state.ct.us/wst/hw/hwregs.pdf	Standards for listing and identification of hazardous waste will be followed during implementation of selected remedial alternative.	All
STATE – RCSA 22a-449(c)102 Hazardous Waste Management: Generator Standards	AR	This section establishes standards for various classes of generators. The standards of 40 CFR Part 262 are incorporated by reference. Storage requirements given at 40 CFR Part 265.15 are also included. Current regulations are available at http://www.dep.state.ct.us/wst/hw/hwregs.htm and http://www.dep.state.ct.us/wst/hw/hwregs.pdf	Any hazardous waste generated through remedial activities at the Site will be subject to these requirements (including investigation derived waste, soil, groundwater, decontamination fluids, etc).	All
FEDERAL – RCRA 40 CFR Part 262 (Subparts A through E) Hazardous Waste Generator Standards	AR	Establishes requirements applicable to generators of hazardous wastes.	Management of any hazardous waste shipped from the Site will comply with the requirements of this section.	All
STATE – RCSA 22a-449(c)-103 Hazardous Waste Management: Transporter Standards	AR	This section establishes standards for hazardous waste transporters. The standards of 40 CFR Part 263 are incorporated by reference. See http://www.dep.state.ct.us/wst/hw/hwregs.htm and http://www.dep.state.ct.us/wst/hw/hwregs.pdf.	These standards will be followed for any hazardous waste transported from the Site. Commercial transporters qualified for this work will be used.	All
STATE – RCSA 22a-449(c)-11 Hazardous Waste Management: Transporter Permits	AR	This regulation establishes permit requirements for transporters of Hazardous Waste. Regulations available at http://www.dep.state.ct.us/wst/hw/hwtransp.pdf	Permit requirements will be followed for transporting hazardous waste. Commercial transporters qualified for this work will be used.	All
FEDERAL – RCRA 40 CFR Part 263 (Subpart B) Compliance with the Manifest (Transporters)	AR	Identifies manifesting procedures to be followed for all shipments of hazardous waste.	Any hazardous waste shipped from the Site will comply with the requirements of this section.	All
FEDERAL – DOT 49 CFR Part 107 49 CFR Parts 171 - 179 Department of Transportation Regulation for Transport of Hazardous Materials	AR	Requirements for handling, labeling, manifesting, and transporting hazardous waste.	Any hazardous waste shipped from the Site during remedial activities will be shipped in accordance with DOT requirements for transportation of hazardous materials. Waste will be properly packaged, labeled, manifested, and loaded.	All

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
STATE – CGS 22a-454 Transportation of Oils and Chemical Liquids	TBC	This statute requires permits for persons who transport oils and chemical liquids. See http://www.cga.ct.gov/2005/pub/Chap446k.htm#Sec22a-454.htm Other hazardous waste activities may also require a permit. Permit fees are established by regulation.	This is not applicable to the remedial activities.	N/A
FEDERAL – Storage of Petroleum Liquids (CAA) 40 CFR section 60.112, and section 60.112 (a)	TBC	Storage vessels constructed after 5/18/78 having storage capacity greater than 40,000 gallons, storing petroleum liquids with vapor pressure equal to or greater than 1.5 psia. Floating roof or vapor recovery system.	This is not applicable to the remedial activities.	N/A
STATE – CGS 22a-449(c) and RCSA 22a-449(d)-1 and 449(d)-101 to 113 Nonresidential Underground Storage of Oil, Petroleum and Chemical Liquids	TBC	These regulations contain standards and criteria for nonresidential underground storage of oil, petroleum and chemical liquids, including criteria for design, installation, operation, maintenance and monitoring of facilities. The Statute is available at http://www.cga.ct.gov/2005/pub/Chap446k.htm#Sec22a-449e.htm. A summary of the UST regulatory program is available at http://www.dep.state.ct.us/wst/ust/ustregs.htm and the regulations are at http://www.dep.state.ct.us/wst/ust/regsust.pdf	This is not applicable to the remedial activities.	N/A
FEDERAL – RCRA 40 CFR Part 264.10 – 264.12 and 264.14 - 264.18 (Subpart B) General Facility Standards	Not AR or RAR for Site	This subpart applies to all owners and operators of hazardous waste facilities. The subpart identifies procedures that must be followed for the operation and maintenance of a hazardous waste TSD facility.	The Site will not be classified as a hazardous waste treatment facility as a result of the proposed remedial activities, so this does not apply and is not relevant and appropriate.	N/A
FEDERAL – Permit Applications Guidance Manual for the General Facility Standards of 40 CFR Part 264 (SW-968 October 1983)	TBC	Guidelines for identifying the necessary requirements and standards that a proposed RCRA facility must meet to obtain an operating permit.	The Site will not be classified as a RCRA facility as a result of the proposed remedial activities. Requirements of 40 CFR Part 264 that are relevant to any treatment facility that is used on-site will be identified using the guidance, if applicable.	N/A
FEDERAL – RCRA 40 CFR Part 264.30 -37 (Subpart C) Preparedness and Prevention	Not AR or RAR for Site	Identifies requirements that must be met during design, construction, and operation of TSD facilities to minimize possibility of fires, explosions or unplanned releases of wastes.	On-site remedial and treatment activities are not considered TSD facilities, so this is not applicable or relevant.	N/A

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – RCRA 40 CFR Part 264.50-264.56 (Subpart D) Contingency Plan and Emergency Procedures	RAR	A TSD facility must have a contingency plan that identifies procedures to be followed in the event of fire, explosion, or an un-planned release from a facility.	On-site remedial/treatment activities are not considered TSD facilities, so this does not apply. However, appropriate contingency planning will be incorporated to address relevant elements of these requirements.	All
STATE – RCSA 22a-449(c)104 Hazardous Waste Management: TSDF Standards	Not AR or RAR for Site	This section establishes standards for treatment, storage, and disposal of hazardous waste, and establishes standards for closure, post closure, and groundwater monitoring. The standards of 40 CFR Part 264 are incorporated by reference. Underground injection of hazardous wastes, and placement of free liquids in landfills are prohibited. See http://www.dep.state.ct.us/wst/hw/hwregs.htm and http://www.dep.state.ct.us/wst/hw/hwregs.pdf	The site is not a Land Disposal Facility (LDF), so this does not apply and is not relevant and appropriate.	N/A
STATE – CGS 22a-449(c) Hazardous Waste Management	Not AR or RAR for Site	This statute authorizes the adoption of regulations for the management of hazardous wastes. http://www.cga.ct.gov/2005/pub/Chap446k.htm#Sec22a-449e.htm Regulations last revised September 2002. See summary at http://www.dep.state.ct.us/wst/hw/hwregs.htm and regulations at http://www.dep.state.ct.us/wst/hw/hwregs.pdf	The site is not a Land Disposal Facility (LDF), so this does not apply and is not relevant and appropriate.	N/A
STATE – RCSA 22a-449(c)105 Hazardous Waste Management: Interim Status Facilities and Groundwater Monitoring Requirements, Closure and Post Closure Require-ments, and Corrective Action Requirements	Not AR or RAR for Site	This section establishes interim status standards for treatment, storage, and disposal of hazardous waste, and establishes standards for closure, post closure, groundwater monitoring, and corrective action. The standards of 40 CFR Part 265 are incorporated by reference. The Commissioner may require groundwater monitoring based on site- specific considerations. See http://www.dep.state.ct.us/wst/hw/hwregs.htm and http://www.dep.state.ct.us/wst/hw/hwregs.pdf.	The site is not a Land Disposal Facility (LDF), so this does not apply and is not relevant. However, the final workplan will incorporate closure, post-closure, and other appropriate requirements.	N/A
STATE – RCSA 22a-449(c)106 Hazardous Waste Management: Management Standards for Specific Waste Types	Not AR or RAR for Site	This section establishes standards for specific types of wastes, including waste oil and spent lead acid batteries being reclaimed. The standards of 40 CFR Part 266 are incorporated by reference. See http://www.dep.state.ct.us/wst/hw/hwregs.htm and http://www.dep.state.ct.us/wst/hw/hwregs.pdf.	These wastes are not anticipated to be encountered so this does not apply and is not relevant and appropriate.	N/A
STATE – RCSA 22a-449(c)119 Hazardous Waste Management: Standards for The Management of Used Oil	TBC	Establishes requirements for used oil generators, transporters, processors, re-refiners, burners and marketers. See http://www.dep.state.ct.us/wst/hw/hwregs.htm and http://www.dep.state.ct.us/wst/hw/hwregs.pdf.	These standards do not apply.	N/A

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
STATE – RCSA 22a-449(c)108. Hazardous Waste Management: Land Disposal Restrictions	RAR	This section incorporates by reference the Federal Land Disposal Restrictions given at 40 CFR Part268. See http://www.dep.state.ct.us/wst/hw/hwregs.htm and http://www.dep.state.ct.us/wst/hw/hwregs.pdf.	These restrictions will be followed during disposal of any wastes generated during the remedial activities.	All
STATE – RCSA 22a-449(c)110 Hazardous Waste Management: Permit Requirements	Not AR or RAR for Site	This section incorporates by reference the Federal hazardous waste permitting requirements given at 40 CFR Parts 270 & 124. See http://www.dep.state.ct.us/wst/hw/hwregs.htm and http://www.dep.state.ct.us/wst/hw/hwregs.pdf.	The site is not a treatment facility/hazardous waste management facility, so these do not apply and are not relevant and appropriate.	N/A
STATE – CGS 22a-208a through 208c Solid Waste Management	Not AR or RAR for Site	A permit is required for construction, alteration, or operation of a solid waste management facility, or to receive, dispose of, process, or transport solid waste in a solid waste facility, volume reduction plant, solid waste disposal area, recycling facility, recycling center, transfer station, or biomedical waste facility. The Statute is available http://www.cga.ct.gov/2005/pub/Chap446d.htm#Sec22a-208a.htm	The Site is not a solid waste management facility, so this does not apply and is not relevant and appropriate.	N/A
STATE – RCSA 22a-209-1 to 15 Solid Waste Management	Not AR or RAR for Site	These standards establish operating and closure standards for solid waste disposal areas including closure, post-closure, and groundwater monitoring requirements. Note that the definition of Solid Waste is given in CGS Section 22a-207. See http://www.cga.ct.gov/2005/pub/Chap446d.htm#Sec22a-207.htm	These requirements do not apply and are not relevant and appropriate to the Site.	N/A
Federal - CERCLA Section 121(d)(3) and 40 CFR 300.400	AR	Before shipping any hazardous substance, pollutant, or contaminant to any off-site location, EPA certification that the receiving facility is operating in compliance with the requirements of these sections must be obtained.	Prior to the shipment of any hazardous substances, pollutants, or contaminants from the Site to an off-site receiving facility, EPA certification that the proposed receiving facility is operating in compliance with the requirements of CERCLA Section 121(d)(3) and 40 CFR 300.400 will be obtained. In addition, EPA will be notified of the proposed receiving facility at least three weeks prior to the expected date of shipment.	All
FEDERAL – Waste Pile 40 CFR 264.251, 40 CFR 268.2	Not AR or RAR for Site	Use a single liner and leachate collection system. Waste put into waste pile subject to land ban regulations. RCRA Hazardous waste, non-containerized accumulation of solid, nonflammable hazardous waste that is used for treatment or storage.	No waste piling is proposed; these requirements do not apply and are not relevant and appropriate to the proposed remedies.	N/A

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – RCRA 40 CFR Sections 264.250 – 264.259 (Subpart L) Design and operation procedures for waste piles which are used to temporarily store hazardous soils or sludges.	AR	General design and operation requirements for temporary storage of hazardous soils and/or sludges. Locations must have an impermeable liner and materials stored in piles must be free of standing liquid.	Soil piles for stockpiling of hazardous soils for disposal is not anticipated. However, if previously unidentified conditions are encountered, and soil piles/containers are employed, these regulations will be complied with.	Soil Alternative 3
FEDERAL – RCRA 40 CFR Sections 264.90 - 264.101 (Subpart F) Releases from Solid Waste Management Units. Identifies procedures to be followed to ensure that groundwater standards are met.	Not AR or RAR for Site	General facility requirements for groundwater monitoring at affected facilities and general requirements for corrective action programs if required at regulated facilities.	The site is not a treatment or disposal facility so these regulations do not apply and are not relevant and appropriate for this Site. Should a Solid Waste Management Unit be subcontracted to manage Site wastes, it will be confirmed that the facility is in compliance with these regulations.	N/A
FEDERAL – RCRA 40 CFR Sections 264.190-198 (Subpart J) Requirements for the design, installation, and operation of any tanks or tank systems which are used to store or treat hazardous liquids or sludges.	Not AR or RAR for Site	Tanks or tank systems used to temporarily store hazardous liquids or as part of a treatment system for hazardous liquids or sludges must be designed, installed, and operated in accordance with the RCRA Standards.	No tank or tank system will be used for storing or treating hazardous liquids as part of the Site remediation. Therefore, this is not applicable or relevant and appropriate for this Site.	N/A
FEDERAL CAA – National Ambient Air Quality Standards 40 CFR Part 50	AR	Maximum primary and secondary 24-hour concentrations for particulate matter.	Procedures to minimize particulate matter emissions will be implemented during remedial activities. Off-gas treatment will be incorporated, if necessary.	Soil Alternative 3
FEDERAL – CAA – National Emission Standards for Hazardous Pollutants (NESHAPs) 40 CFR 61	AR	Sets air emission standards for hazardous air pollutants not covered by NAAQS.	The remedial alternatives will incorporate off-gas treatment to meet applicable standards.	Soil Alternatives 1 and 2 Groundwater Alternatives 1 and 3

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – RCRA 40 CFR Section 264.179 (Subparts AA, BB, and CC) Air Emission Standards	AR	These regulations control air emissions from certain process vents and equipment leaks (Part 264 and Part 265, Subpart AA and BB), and emissions from certain tanks, containers, surface impoundments and miscellaneous units (the Subpart CC standards).	Air emissions from on-site remedial activities will comply with standards by using appropriate off-gas control systems or emission control procedures.	Soil Alternatives 1 and 2 Groundwater Alternatives 1 and 3
STATE – RCSA 22a-174-3a Air Pollution Control – Stationary Sources	AR	This section requires permits to construct and operate stationary sources of emissions, and requires those sources to meet specified standards. Pollution abatement controls may be required. Specific standards are listed for many pollutants. Any landfill with potential emissions of any particular air pollutant including methane exceeding 5 tons per year requires a permit. Active gas collection systems with emissions controls may be required. Complete regulations available at http://www.dep.state.ct.us/air2/regs/mainregs.htm or http://www.dep.state.ct.us/air2/regs/regs1.pdf	Particulate matter or emissions from on-site remedial activities will comply with standards by using appropriate off-gas control systems or emission control procedures.	All
STATE – RCSA 22a-174-18 Air Pollution Control – Control of Particulate Emissions	AR	This subsection sets specific standards for particulate emissions. Specific standards include Fugitive Dust (18b) and Incineration (18c). Gas flares are regulated as incinerators. See http://www.dep.state.ct.us/air2/regs/mainregs.htm	Procedures to minimize/eliminate particulate matter emissions will be implemented during any treatment processes on-site.	All
STATE – RCSA 22a-174-20 Air Pollution Control – Control of Organic Compound Emissions	AR	Subsection (f) sets standards for emission of organic compounds. Incineration of organic halocarbons is prohibited under subsection (f)(6)(A). See http://www.dep.state.ct.us/air2/regs/mainregs.htm	Standards for organic compounds will be complied with during on-site activities by using appropriate off-gas control systems or emission control procedures.	Soil Alternatives 1 and 2 Groundwater Alternatives 1 and 3
STATE – RCSA 22a-174-19 & 19a Control of Sulfur Emissions and Control of Sulfur Dioxide Emissions from Power Plants and other Large Stationary Sources of Air Pollution	TBC	This section regulates sulfur emissions from sources, including flares and incinerators. See http://www.dep.state.ct.us/air2/regs/mainregs.htm *Regulation available at http://www.dep.state.ct.us/air2/regs/mainregs/sec19.pdf	These standards do not apply to the proposed remedial alternatives.	N/A
STATE – RCSA 22a-174-23 Air Pollution Control – Control of Odors	TBC	This section prohibits emission of any substance that constitutes a nuisance because of objectionable odor. See http://www.dep.state.ct.us/air2/regs/mainregs.htm	Odors are not anticipated to be an issue, but if encountered, odors will be controlled by using appropriate off-gas control systems or emission control procedures.	All

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
STATE – RCSA 22a-174-29 Air Pollution Control – Control of Hazardous Air Pollutants	AR	This section establishes testing requirements and allowable stack concentrations for many specific substances. See http://www.dep.state.ct.us/air2/regs/mainregs.htm	Air emissions will be controlled from on-site activities by using appropriate off-gas control systems or emission control procedures. Some remedial alternatives may involve discharge of potential air pollutants, which will comply with these requirements.	Soil Alternatives 1 and 2 Groundwater Alternatives 1 and 3
FEDERAL – OSHA 29 CFR Part 1926 Safety and Health Regulations for Construction	AR	Specifies the safety precautions and equipment necessary to conduct excavation activities (Subparts, C, D, P). Subpart E of this requirement specifies general safety equipment that must be used by personnel working in dangerous areas or under dangerous conditions.	Applicable requirements will be met during on-site construction activities and excavation activities by use of appropriate PPE.	All
FEDERAL – OSHA 29 CFR Part 1904 Recording and Reporting Occupational Injuries and Illnesses	AR	Specifies the procedures to be followed by employers to track and report occupational injuries.	Records and procedures necessary to comply with this requirement will be maintained during the remedial period.	All
FEDERAL – OSHA 29 CFR 1910. Occupational Safety and Health Administration Requirements for worker safety at hazardous waste sites	AR	Training, medical monitoring, and contaminant exposure level requirements with which all workers who perform any activity at a hazardous waste site must comply.	Employees who will be involved with hazardous waste work on the Site will receive necessary training and medical monitoring. Protective clothing and equipment will be used to minimize exposure to COCs.	All
STATE - RCSA 22a-133k 1- to 3 Remediation Standard Regulations	AR	These regulations were adopted on January 30, 1996, under the statutory authority provided by CGS 22a-133k. They provide specific numeric cleanup criteria for a wide variety of contaminants in soil, groundwater, surface water, and soil vapor. Copies of the regulation and associated documents are available from DEP's website at http://www.dep.state.ct.us/wtr/regs/remediationregs.htm	Site remediation/monitoring will comply with CT RSRs. Selected remedial alternatives are capable of achieving the required clean-up standards.	All
STATE – Proposed Revisions to portions of 22a-133k-1 to 3 Connecticut's Remediation Standard Regulations Volatilization Criteria, March 2003	TBC	Revises how volatilization criteria are calculated, incorporated revised transport models and updated risk information, and volatilization criteria are applied. See http://www.dep.state.ct.us/wtr/regs/RvVolCri.pdf	Revisions are incorporated into establishing groundwater clean-up levels. Remedial technologies considered in the RAP will achieve these criteria.	All

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – Capping 40 CFR 264.228(a), 40 CFR 264.117(c), 40 CFR 264.228(b), 40 CFR 264.310(b), Surface Impoundments 40 CFR 264.288(a), Waste Piles 40 CFR 264.258(b), Landfills 40 CFR 264.310(a)	RAR	Placement of a cap over waste (e.g., closing a landfill, or closing a surface impoundment or waste pile as a landfill, or similar action) requires a cover designed and constructed to: Provide long-term minimization of migration of liquids through the capped area; Function with minimum maintenance; Promote drainage and minimize erosion or abrasion of the cover; Accommodate settling and subsidence so that the cover's integrity is maintained; and Have a permeability less than or equal to the permeability of any bottom liner system or natural sub-soils present. RCRA hazardous waste placed on site after the effective date of the requirements, or placement of hazardous waste into another unit will make requirements applicable when the waste is being covered with a cap for the purpose of leaving it behind after the remedy is completed. Capping without such placement will not make requirements applicable. Eliminate free liquids, stabilize wastes before capping (surface impoundments). Restrict post-closure use of property as necessary to prevent damage to the cover. Prevent run-on and run-off from damaging cover. Protect and maintain surveyed benchmarks used to locate waste cells (landfills, waste piles).	Federal requirements pertaining to closure with waste in place are met by the design of the engineering control/cap..	Soil Alternative 3
FEDERAL – Closure with no post-closure standard care (e.g. Clean Closure) 40 CFR 264.111, 40 CFR 264.178, 40 CFR 264.197, 40 CFR 264.288(o)(1), 40 CFR 264.258	Not AR or RAR for Site	General performance standard requires elimination of need for further maintenance and control; elimination of post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated run-off, or hazardous waste decomposition products. Applicable to land-based unit containing hazardous waste. Applicable to RCRA hazardous waste (listed or characteristic) placed at site after the effective date of the requirements, or placed into another unit. Not applicable to material treated, stored, or disposed only before the effective date of the requirements, or if treated in-situ, or consolidated within area of contamination. Designed for cleanup that will not require long-term management. Designed for cleanup to health-based standards. Disposal or decontamination of equipment, structure, and soils. Removal or decontamination of all waste residue, contaminated containment system components (e.g., liners, dikes), contaminated subsoils, and structures and equipment contaminated with waste and leachate, and management of them as hazardous waste. Meet health-based levels at unit. May apply to surface impoundments and container or tank liners and hazardous waste residues, and to contaminated soil, including soil from dredging or soil disturbed in the course of drilling or excavation, and returned to land.	This is not applicable or relevant and appropriate since the Site is not a Land Disposal Facility.	N/A

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – Closure with waste in place 40 CFR 264.228(a)(2), 40 CFR 264.258(b), 40 CFR 264.310	Not AR or RAR for Site	Eliminate free liquids by removal or solidification. Stabilization of remaining waste and waste residues to support cover. Installation of final cover to provide long-term minimization of infiltration (see Capping). 30-year post-closure care and groundwater monitoring. Applicable to land disposal of hazardous waste. Applicable to RCRA hazardous waste (listed or characteristic) placed at site after the effective date of the requirements, or placed into another unit. Not applicable to material treated, stored, or disposed only before the effective date of the requirements, or if treated in-situ or consolidated within area of contamination.	This is not applicable or relevant and appropriate since the Site is not a Land Treatment Unit.	N/A
FEDERAL – Closure of Land Treatment Units 40 CFR 264.280	Not AR or RAR for Site	Maximize degradation, transformation, or immobilization of hazardous constituents within the treatment zone, minimize run-off of constituents, maintain run-on control system and run-off management system, control wind dispersal of hazardous waste, maintain unsaturated zone monitoring, establish vegetative cover, and establish background soil values to determine consistency with permit values. Closure of land treatment units.	This is not applicable or relevant and appropriate since the Site is not a Land Treatment Unit.	N/A
FEDERAL – HSRA 40 CFR Part 268 Land Disposal Restrictions	RAR	Identifies hazardous waste types and specific USEPA hazardous waste codes that must meet specified standards prior to placement or disposal of the waste in a land unit. Land Ban also specifies treatment processes to be used to meet goals.	Any land ban waste generated from Site treatment of soils that does not meet the exemptions allowed for hazardous waste moved within an Area of Contamination will have to meet the land ban regulations prior to disposal in a permitted land disposal unit. These conditions will be met under the proposed remedial alternatives.	All
FEDERAL – Placement of Waste in Land Disposal Unit 40 CFR 268 (Subpart D)	TBC	Land Disposal Restrictions: Attain land disposal "treatment standards" before putting waste into landfill in order to comply with land ban restrictions. A treatment standard can be either: (1) a concentration level to be achieved (performance-based) or (2) a specified technology that must be used (technology-based). If the standard is performance-based, any technology can be used to achieve the standard. (See Treatment when Waste will be Land Disposed.) Placement of RCRA hazardous waste in a landfill, surface impoundment, waste pile, injection well, land treatment facility, salt dome formation, salt bed formation, or underground mine or cave.	Any land ban waste generated from Site treatment of soils that does not meet the exemptions allowed for hazardous waste moved within an Area of Contamination will have to meet the land ban regulations prior to disposal in a permitted land disposal unit. These conditions will be met under the proposed remedial alternatives.	All

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – Construction of New Landfill On-Site 40 CFR 264.301, 40 CFR 264.303-304, 40 CFR 264.310, 40 CFR 264.91-264.100	TBC	Minimum Technology Requirements: Install two liners or more, a top liner that prevents waste migration into the liner, and a bottom liner that prevents waste migration through the liner. Install leachate collection systems above and between the liners. Construct run-on and run-off control system capable of handling the peak discharge of a 25-year storm. Control wind dispersal of particulates. Operation and maintenance. Close each cell with a final cover after the last waste has been received. RCRA hazardous waste (listed or characteristic) currently being placed in a new, replacement, or expanded landfill. Groundwater Monitoring: Establish a detection monitoring program (264.98). Establish a compliance monitoring program (264.99) and corrective action monitoring program (264.100) when required by 40 CFR 264.91. All monitoring program must meet RCRA general groundwater monitoring requirements (264.97). Creation of a new landfill unit to treat, store, or dispose of RCRA hazardous wastes as part of a response action.	This is not applicable; no landfills will be constructed on Site.	N/A
FEDERAL – Placement of Liquid Waste in Landfill 40 CFR 264.314	TBC	Liquids in Landfills Prohibition: No bulk or non-containerized liquid hazardous waste or hazardous waste containing free liquids may be disposed of in landfills. Containers holding free liquids may not be placed in a landfill unless the liquid is mixed with an absorbent or solidified. Placement of a bulk or non-containerized RCRA hazardous waste in a landfill.	This is not applicable: no liquid disposal will be conducted on Site.	N/A
FEDERAL – Slurry Wall 40 CFR Part 268	TBC	Excavation of soil for construction of slurry wall may trigger land disposal restrictions. Materials containing RCRA hazardous waste subject to land disposal restrictions are placed in another unit.	This standard is not applicable; no slurry wall option is considered for the Site.	N/A
FEDERAL – Dike Stabilization 40 CFR 264.221, 40 CFR 264.226, 40 CFR 264.227, 40 CFR 264.228	TBC	Design and operate facility to prevent controllers, alarms, and other equipment; and human error. Construct dikes with sufficient strength to prevent massive failure. Inspect liners and cover systems during and after construction. Inspect weekly for proper operation and integrity of the containment devices. Remove surface impoundment from operation if the dike leaks or there is a sudden drop in liquid level. At closure, remove or decontaminate all waste residues and contaminated materials. Otherwise, free liquids must be removed, the remaining wastes stabilized, and the facility closed in the same manner as a landfill. Manage ignitable or reactive wastes so that it is protected from materials or conditions that may cause it to ignite or react. Existing surface impoundment containing overtopping due to overfilling: wind and wave hazardous waste, or creation of a new surface action; rainfall; run-on; malfunction of level impoundment.	This standard is not applicable, no dike will be constructed or is considered as part of the remedial activities for the Site.	N/A

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – Underground Injection of Wastes and Treated Groundwater 40 CFR 144.12, 40 CFR 144.13, 40 CFR 144.13(c)	TBC	UIC program prohibits: Injection activities that allow movement of contaminants into underground sources of drinking water which may result in violations of MCLs or adversely affects health. Construction of new Class IV wells, and operation and maintenance of existing wells. Class IV wells are banned except for reinjection of treated groundwater into the same formation from which it was withdrawn, as part of a CERCLA cleanup or RCRA corrective action. Approved UIC program is required in all States (under SDWA section 1422). Class I and IV wells are the relevant classifications for CERCLA sites. Class I wells are used to inject hazardous waste, beneath the lowermost formation containing, within one quarter mile, an underground source of drinking water (USDW). Class IV wells are used to inject hazardous or radioactive waste into or above a formation which contains, within one quarter mile of the well, an USDW.	These regulations will be considered. One remedial alternative involves subsurface injection of calcium polysulfide, which will be appropriately permitted and implemented in accordance with these standards, as applicable. Typically, underground injection permits are required for these types of operations, but in-situ treatment options are not considered injection of hazardous waste.	Groundwater Alternative1
FEDERAL – Background Injection of Wastes and Treated Groundwater 40 CFR 144.16	TBC	The Director of the UIC program in a state 40 CFR 144.16 may lessen the stringency of 40 CFR 144.52 construction, operation, and manifesting requirements for a well if injection does not occur into, through, or above a USDW or if the radius of endangering influence (see 40 CFR 146.06(c)) is less than or equal to the radius of the well.	These requirements will be considered if applicable during the permitting process of the calcium polysulfide injection options.	Groundwater Alternative 1
FEDERAL – Dredging 33 USC 403 33 CFR 320-330	TBC	Removal of all contaminated soil. RCRA hazardous waste placed at site after the effective date of the requirements, or placed into another unit. Dredging must comply with Section 10 of the Rivers and Harbors Act and U.S. Army Corps of Engineers regulations. Dredging in navigable waters of the United States.	This standard would be considered in the implementation of a sediment remedy in Broad Brook.	Sediments Removal
FEDERAL – Land Treatment 40 CFR 264.271, 40 CFR 264.273, 40 CFR 264.276, 40 CFR 264.278, 40 CFR 264.281, 40 CFR 264.282, 40 CFR 264.283	TBC	Prior to land treatment, the waste must be treated to BDAT levels or meet a no migration standard. Ensure. demonstrate that hazardous constituents are degraded, transformed, or immobilized within the treatment zone. Maximum depth of treatment zone must be no more than 1.5 meters (5 feet) from the initial soil surface and more than 1 meter (3 feet) above the seasonal high water table. Minimize run-off of hazardous constituents. Maintain run-on/run-off management/ control system. RCRA hazardous waste being treated or placed into another unit. Unsaturated zone monitoring. Special requirements for ignitable, reactive, or incompatible waste. Special testing and location requirements for certain hazardous wastes. RCRA waste #s F020, F021, F022, F023, F026, F027 40 CFR 264.283 (dioxins).	These requirements do not apply to the proposed remedial activities conducted at the site, which are in-situ treatment operations. No Land Treatment is proposed.	N/A

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – Treatment when waste will be land disposed 40 CFR Sections 268.10, 268.11, 268.12, and 268.41; 40 CFR 268 (subpart D)	TBC	Treatment of waste subject to ban on land disposal must attain levels achievable by best demonstrated available treatment technologies (BDAT) for each hazardous constituent in each listed waste, if residual is to be land disposed. If residual is to be further treated, residual need not be BDAT, if it does not exceed value in CCWE (Constituent Concentration in Waste Extract) Table. (See 51 FR 40642, 11/6/86). All wastes listed as hazardous in 40 CFR Part 261 as of 11/8/84, except for spent solvent and dioxin-containing wastes, have been ranked with respect to volume and intrinsic hazards, and are scheduled for land disposal prohibition and/or treatment standard 40 CFR 268.10 40 CFR 268.11 40 CFR 268.12 40 CFR 268.41 40 CFR 268 (Subpart D) 51 FR 40641 52 FR 25760 determinations as follows: Solvents and dioxins 11/8/86, California list wastes 7/8/87, One-third of all ranked and hazardous wastes 8/8/88, Underground injection of solvents and dioxins and California listed wastes 8/8/88. CERCLA response action and RCRA corrective action soil and debris 11/8/88. Two-thirds of all ranked/listed hazardous wastes 7/8/89. All remaining ranked/listed hazardous wastes under RCRA 3001 5/8/90.	These regulations will be considered if applicable to wastes that are disposed of off-site (i.e., investigation derived wastes, soils, and groundwater, etc.). Only off-site disposal will occur (e.g., no on-site injection of hazardous wastes, etc.). Wastes disposed of will be properly manifested and disposed of at appropriate permitted off-site facilities only, in accordance with all appropriate regulations.	All
FEDERAL – Incineration of Liquid PCBs. 40 CFR section 761.70 (TSCA), Resource Conservation and Recovery Act (RCRA) 40 CFR section 268.42	TBC	Incineration of liquid PCBs at concentrations of 50 ppm or greater unless specified in 40 CFR (TSCA) section 761.70.	This standard does not apply since no on-site incineration is proposed, and no PCBs are present that require treatment.	N/A
FEDERAL – Incineration of Non-Liquid PCBs, PCB Articles, PCB Equipment, and PCB Containers 40 CFR sections 761.70, 761.180, and 268.42 (TSCA)	TBC	Incineration of non-liquid PCBs, PCB articles, PCB equipment, and PCB containers at concentrations of 50 ppm or greater unless specified in 40 CFR section 761.60.	This standard does not apply since no on-site incineration is proposed, and no PCBs are present that require treatment.	N/A
FEDERAL – Incineration (CAA) 40 CFR section 60.52	TBC	Incinerator burning solid waste, more than 50% of which is municipal-type waste, for the purpose of reducing waste volume by removing combustible matter. Particulate emissions shall be less than 0.08 grains per dry standard cubic foot corrected to 12% carbon dioxide.	This standard does not apply since no on-site incineration is proposed.	N/A

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – Incineration 40 CFR 264.341, 40 CFR 264.351, 40 CFR 264.340, 40 CFR 264.343, 40 CFR 264.342, 40 CFR 264.345, 40 CFR 761.70	TBC	Analyze the waste feed. Dispose of all hazardous waste and residues, including ash, scrubber water, and scrubber sludge. No further requirements apply to incinerators that only burn wastes that are listed as hazardous solely by virtue of combination with other wastes. Performance standards for incinerators: Achieve a destruction and removal efficiency of 99.99 % for each principal organic hazardous constituent in the waste feed and 99.9999 % for dioxins: Reduce hydrogen chloride emissions to 1.8 kg/hr 40 CFR 264.342 or 1% of the BC1 in the stack gases before entering any pollution control devices; and Not release particulate in excess of 180 mg/dscm 40 CFR 264.343 corrected for amount of oxygen in stack gas. Monitoring of various parameters during operation 40 CFR 264.343 of the incinerator is required. These parameters include: Combustion temperature; Waste feed rate; combustion gas velocity; and Carbon monoxide. Control fugitive emissions either by: Keeping combustion zone sealed or Maintaining combustion-zone pressure lower than atmospheric pressure. Utilize automatic cutoff system to stop waste feed when operating conditions deviate.	No on-site incineration (or other on-site above ground treatment) of soils or other wastes will occur. Only off-site disposal will occur and wastes disposed of will be properly manifested and disposed of at appropriate permitted off-site facilities only, in accordance with all appropriate regulations.	N/A
FEDERAL – PCB Storage Prior to Disposal 40 CFR section 761.65 Toxic Substances Control Act (TSCA)	TBC	Storage of PCBs and PCB items at concentrations of 50 ppm or greater. Storage facilities must be constructed: With an adequate roof and walls. With a floor and curb of impervious materials. Without drain valves, floor-drains, expansion joints, sewer lines, or other openings. Above the 100-year flood water level.	This standard does not apply as no PCBs are stored at the Site.	N/A
FEDERAL – Chemical Landfilling of PCBs. 40 CFR section 761.75 (TSCA)	TBC	Disposal of PCBs and PCB Items in a chemical waste landfill: Mineral oil dielectric fluid from PCB-contaminated electrical equipment or other liquids containing PCBs at concentrations of 50 ppm or greater but less then 500 ppm; Non-liquid PCBs at concentrations of 50 ppm or greater; PCB Transformers, PCB small capacitors, other PCB articles, and PCB containers at concentrations of 500 ppm or greater.	This standard does not apply as no PCBs exist at the Site above applicable criteria and no removal activities are anticipated that will generate PCB wastes.	N/A
FEDERAL – Marking of PCBs 40 CFR section 761.40 (TSCA)	TBC	The following must be marked as designated in 40 CPR section 761.45 PCB article: PCB containers containing greater than 50 ppm PCBs, PCB transformers, PCB Large High-Voltage Capacitors, PCB Large Low-Voltage Capacitor, electric motors using PCB coolants, hydraulic systems using PCB hydraulic fluid, heat transfer, systems using PCBs, PCB article containers containing any of the above, storage areas used to store PCBs, and PCB item for disposal.	This standard does not apply as no PCBs or PCB containing equipment are stored at the Site.	N/A

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – Disposal of Pesticides. Federal Insecticide Fungicide and Rodenticide Act (FIFRA) 40 CFR section 165.7, 165.8 (a, b, and c)	TBC	Unacceptable disposal methods: Those inconsistent with label, Open dumping, Open burning, Disposal into any body of water, Those inconsistent with applicable law.	This standard does not apply as no pesticides exist at the Site above applicable criteria and no removal activities are anticipated that will generate pesticide wastes.	N/A
FEDERAL – Labeling of Pesticides 40 CFR section 162.10	TBC	Labeling requirements may apply when pesticides are considered products, and not RCRA hazardous wastes. Label pesticides legibly, and prominently, to show: .Ingredients; Warnings and precautionary statements; Toxicity; Directions for use, storage, and disposal methods.	This standard does not apply as no pesticides are stored at the Site.	N/A
FEDERAL – Handling of Pesticides 40 CFR section 171.4	TBC	Individuals handling certain pesticides must be State- or Federally-approved applicators.	This standard does not apply as no pesticide application is planned at the Site.	N/A
STATE – CGS 22a-46 through 66z-1 and RCSA 22a-49-1 through 22a-66z-1	TBC	These statutes and regulations pertain to the sale and application of pesticides in CT, including criteria for the registration of pesticide products, requirements for applicator licensing, and notification requirements (signage) for pesticide applications. For the statute, see http://www.cga.ct.gov/2005/pub/Chap441.htm and http://www.dep.state.ct.us/wst/pesticides/peststat.htm	This standard does not apply as no pesticide application is planned at the Site.	N/A
FEDERAL – Discharge of Radioactive Pollutants to Air. Clean Air Act (CAA) 40 CPR Part 61, Subparts H and I	TBC	Applicable to airborne emissions from DOE, NRC-licensed, and non-DOE Federal facilities during their operational period. Not applicable to: doses caused-by radon-220, radon-222, and their respective decay products; facilities regulated under 40 CFR Parts 190, 191, or 192; and low-energy accelerators and sealed radiation sources.	This standard does not apply as there are no radioactive pollutants at the Site.	N/A
FEDERAL – Discharge of Radioactive Pollutants to Surface Water. Clean Water Act (CWA) 40 CPR sections 440.32 (a), 440.33	TBC	Applicable to discharges of radium-226 and uranium from open-pit or underground mines from which uranium, radium, and vanadium ores are produced, including mines that use in-situ leach methods.	This standard does not apply as there are no radioactive pollutants at the Site.	N/A
FEDERAL - Discharge of Radioactive Pollutants to Unrestricted Areas (Air and Water) 40 CFR sections 440.32 (b), and 440.34 (a and b)	TBC	Applicable to all categories of Nuclear Regulatory Commission (NRC) licensees; also applicable to Agreement State licensees. Applicable to releases of source, byproduct, and special nuclear material, as well as to naturally occurring and accelerator-produced radioactive material (NARM) released from facilities licensed to possess source, byproduct, and special nuclear material.	This standard does not apply as there are no radioactive pollutants at the Site.	N/A

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – Protection of Groundwater from Radioactive Contamination Uranium Mill Tailings Radiation Control Act (UMTRCA) 40 CFR section 192.32 (a)(2) and 192.41	TBC	Applicable to active commercial uranium and thorium processing sites licensed by the NRC or States.	These requirements are not relevant.	N/A
FEDERAL - Corrective Action of Radioactively Contaminated Ground Water (UMTRCA). 40 CFR sections 192.33, 192.41	TBC	Applicable to active commercial and thorium processing sites licensed by the NRC or States.	These requirements are not relevant.	N/A
FEDERAL - Cleanup of Radioactively Contam-inated Land (UMTRCA). 40 CPR section 192.12 (a), 192.32(b)(2), and 192.41	TBC	Applicable to certain inactive uranium processing sites designated for remedial action under Title I of UMTRCA, as well as active commercial uranium and thorium processing sites licensed by the NRC or States.	These requirements are not relevant.	N/A
FEDERAL – Cleanup of Radioactively Contaminated Buildings (UMTRCA). 40 CFR section 192.12(b)(1)	TBC	Applicable to certain inactive uranium processing sites designated for remedial action under Title I of UMTRCA.	These requirements are not relevant.	N/A
FEDERAL - Control of Uranium or Thorium Hill Tailings. 40 CFR section 192.02	TBC	Applicable to certain inactive uranium processing sites designated for remedial action under Title I of UMTRCA.	These requirements are not relevant.	N/A
FEDERAL – Closure of Uranium or Thorium Hill Tailings. 40 CFR section 192.32(b)and 192.41	TBC	Applicable to active commercial and thorium processing sites licensed by the NRC or States.	These requirements are not relevant.	N/A
FEDERAL - Radioactive Waste Treatment and Disposal. 10 CFR sections 20.301 through 20.311, and 20.302 (a and b) (AEA)	TBC	Applicable to all categories of NRC licensees; also applicable to Agreement State licensees. Applicable to releases of source, byproduct, and special nuclear material.	These requirements are not relevant.	N/A
FEDERAL - Closure and Post-closure Observation and Maintenance of a Low-level Radioactive Waste Disposal Site 10 CFR 61.28	TBC	Applicable to NRC-licensed land disposal facilities that receive low-level wastes from others (i.e., commercial disposal facilities).	These requirements are not relevant.	N/A

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – Siting, Designing, Operation, Closure, and Control of a Low-Level Radioactive Waste Disposal Site. 10 CFR Part 61, Subpart C, sections 61.41 - 61.44	TBC	A variety of technical requirements are established, i.e., minimum characteristics a disposal sits must have to be acceptable.	These requirements are not relevant.	N/A
FEDERAL – Siting, Operation, Decontamination, Decommissioning, and Reclamation of Uranium Mills and Mill Tailings 10 CFR Part 40, Appendix A (AEA and UMTRCA)	TBC	Applicable to active uranium or thorium mills and inactive mills that are not covered under the remedial action program of UMTRCA'S Title I (see Chapter 4 of Part II for more discussion on this remedial action program).	These requirements are not relevant.	N/A
FEDERAL – Stationary Gas Turbines (CAA) 40 CFR section 60.332	TBC	Stationary gas turbines with load heat input equal to or greater than 10.7 gigajoules per hour, based on the lower heating value of the fuel fired. Standard for NOx emissions. SO2 emissions shall be less than 0.015% by volume at 15% oxygen on a dry basis.	There are no plans to use stationary gas turbines in any of the remedial actions or other Site activities, so these regulations do not apply.	N/A
FEDERAL – Operation and Maintenance 40 CFR 264.310	TBC	30-year post-closure care to ensure that site is maintained and monitored. Land disposal closure.	The site is not considered a land disposal, storage, or treatment facility. Post-closure monitoring is part of remedial activities to be detailed in the future work plan.	N/A

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – Container Storage 40 CFR 264.171 to 40 CFR 264.178, 40 CFR 268.50	AR	Containers of RCRA hazardous waste must be: Maintained in good condition; Compatible with hazardous waste to be stored; and Closed during storage (except to add or remove waste). Inspect container storage areas weekly for deterioration. Place containers on a sloped, crack-free base, and protect from contact with accumulated liquid. Provide containment system with a capacity of 10 percent of the volume of containers of free liquids. Remove spilled waste in a timely manner to prevent overflow of the containment system. Keep containers of ignitable or reactive waste at least 50 feet from the facility's property line. Keep incompatible materials separated, by a dike or other barrier. At closure, remove all hazardous waste and residue from the containment system, and decontaminate or remove all containers, liners. Storage of banned wastes must comply with 40 CFR 268. When such storage occurs beyond one year, the owner/operator shall prove that such storage is solely for the purpose of accumulating sufficient quantities to allow for proper recovery, treatment, and disposal. Storage of listed or characteristic, RCRA hazardous waste not meeting small quantity generator criteria held for a temporary period greater than 90 days before a treatment, disposal, or storage elsewhere (40 CFR 264.10), in a container (i.e., any portable device to store, transport, dispose, or handle material). A generator accumulating or storing hazardous waste for 90 days or less in compliance with 40 CFR 262.34(a)(1-4) is not subject to full RCRA storage requirements. Small quantity generators are not subject to the 90 day limit (40 CFR 262.34(c), (d), and (e)).	These storage requirements will be followed for hazardous waste on-site during all remedial activities and operations.	All
STATE – CGS 22a-6u Reporting of Certain Significant Environmental Hazards by Owners of Contaminated Real Property	AR	After 10/1/98, when certain conditions described in the regulation are encountered by a technical environmental professional collecting soil, water, vapor, or air samples for the purposes of investigating or remediating sources of pollution to the waters of the State, certain notifications to the property owner, the client, the Commissioner, and in some cases, the local fire department are required. Statute at http://www.cga.ct.gov/2005/pub/Chap439.htm#Sec22a-6u.htm	If any new conditions are encountered that meet this regulation, the appropriate parties will be notified. Conditions at the Site are deemed to be adequately characterized and it is unlikely that such a condition will arise.	All
STATE – CGS 22a-450 Report of Discharge, Spill, Loss, Seepage, or Filtration	AR	Requires reporting of spills to DEP. See http://www.cga.ct.gov/2005/pub/Chap446k.htm#Sec22a-450.htm	Any spills of reportable quantities that occur during remedial activities will be reported to DEP.	All

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
STATE – CGS 19a-332, RCSA 19a-33a-1 through 16, RCSA 20-440-1 through 9, RCSA 20-441-1 Asbestos Abatement	TBC	These regulations apply to asbestos abatement contractors and work involving removal of asbestos containing materials. If demolition of buildings containing asbestos is anticipated, asbestos abatement may be necessary prior to demolition. A summary of the requirements along with copies of the regulations is available at www.dph.state.ct.us/BRS/asbestos/asbestos_program.htm. Statute available at http://www.cga.ct.gov/2005/pub/Chap368l.htm	Asbestos is not anticipated to be encountered at the site. However, if encountered, asbestos abatement regulations will be complied with.	N/A
STATE – CGS 22a-463 through 469. Disposition of PCB regulated by 22a-467 Disposition of PCB	TBC	This section requires that PCBs be disposed under a permit issued by the Commissioner. PCBs may also be disposed of under a written approval of the Commissioner in a manner which results in the destruction of the PCB or in a manner not inconsistent with the Requirements of the Toxic Substances Control Act (TSCA), listed at 40CFR 761. This section of the Statutes is available at http://www.cga.ct.gov/2005/pub/Chap446k.htm#Sec22a-463.htm	No PCBs in exceedance of applicable criteria have been identified at the Site. If encountered, the statutes will be used for compliance.	N/A
STATE – CGS 22a-67 to 76 Noise Pollution Control	AR	Establishes State policy concerning noise, provides for adoption of noise regulations. See http://www.cga.ct.gov/2005/pub/Chap442.htm#Sec22a-67.htm	Noise abatement measures (typically limiting hours/days of certain activities that are anticipated to generate noise, personal hearing protection) will be implemented in the Health and Safety Plan and construction plans.	All
STATE – RCSA 22a-69-1 to 69-7.4 Control of Noise Regulations	AR	These regulations establish allowable noise levels. They would apply to construction activities at a site. See http://www.dep.state.ct.us/air2/regs/noise.htm	Noise abatement measures (typically limiting hours/days of certain activities that are anticipated to generate noise, personal hearing protection) will be implemented in the Health and Safety Plan and construction plans.	All
FEDERAL – CWA (40 CFR Part 122, 124, 125) National Pollutant Discharge Elimination System (NPDES)	RAR	USEPA administered permit program governing discharges of pollutants from a point source into the waters of the United States.	If discharge of treated groundwater, surface water or leachate off-site is to be performed, NPDES requirements will be addressed. Any such discharge would likely be limited to condensate accumulated during SVE or bioventing operations, which would be treated as necessary to meet criteria prior to permitted discharge.	Soil Alternatives 1 and 2 River bank stabilization and Sediments Removal Groundwater Alternatives 1 and 3

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
STATE – CGS 22a-426 Water Quality Standards	AR	Connecticut's Water Quality Standards were adopted under this statute. They establish specific numeric criteria, designated uses, and anti degradation policies for groundwater and surface water. Statute available at http://www.cga.ct.gov/2005/pub/Chap446k.htm#Sec22a-426.htm WQS available at http://www.dep.state.ct.us/wtr/wq/wqs.pdf . A summary of the WQS is available from DEP's website at http://www.dep.state.ct.us/wtr/wq/wqsinfo.htm Most recent revisions effective 12-17-02.	Water quality standards have been considered in the development of the remedial alternatives. The remedial alternatives selected are capable of achieving these standards.	Groundwater Alternatives 1, 2, and 3 River bank stabilization and Sediments Removal
STATE – RCSA 22a-430-1 to 8 Water Pollution Control	RAR	These regulations establish permitting requirements and criteria for water discharge to surface water, groundwater, and Publicly Owned Treatment Works (POTWs).	Water discharges will comply with CT RSRs before discharge. Any such discharge would likely be limited to condensate accumulated during SVE or bioventing operations, which would be treated as necessary to meet applicable criteria prior to permitted discharge.	Groundwater Alternatives 1 and 3 River bank stabilization and Sediments Removal
STATE – CGS 22a-430 Water Pollution Control	RAR	This statute prohibits discharge to the waters of the State without a permit. See http://www.cga.ct.gov/2005/pub/Chap446k.htm#Sec22a-430.htm	Permits will be obtained for any discharges to state waters. Any such discharge would likely be limited to condensate accumulated during SVE or bioventing operations, which would be treated as necessary to meet applicable criteria prior to permitted discharge.	Groundwater Alternatives 1 and 3 River bank stabilization and Sediments Removal
FEDERAL – Direct Discharge to Ocean 40 CFR 125.122, 40 CFR 125.123(b), 40 CFR 125.123(d)(1)	TBC	Discharges causing "unreasonable degradation of the marine environment" are not permitted. A determination of whether a discharge will cause reasonable degradation of the marine environment must be made, based on consideration of: Quantity, composition, or persistence of pollutants to be discharged; Potential transport of pollutants by biological, chemical, or physical processes; Composition and vulnerability of exposed communities; Importance of the receiving water to spawning, migratory paths, and surrounding biological community; Existence of special aquatic sites; Impact on human health and commercial fishing. Discharge to the marine environment. Applicable requirements of the Coastal Zone Management Plan and Marine Water Quality Criteria developed under CWA §304(a)(1). Comply with the limiting permissible concentrations (LPCs) at the mixing zone boundary that are established in the permit.	This regulation is not applicable to the Site.	N/A

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
STATE – CGS 22a-430b Water Pollution Control	RAR	This statute establishes general permits for many categories of discharges including storm water, and discharges to a POTW by a groundwater remediation system. General permits may require that the discharge be registered with the Commissioner prior to initiating the discharge. See http://www.cga.ct.gov/2005/pub/Chap446k.htm#Sec22a-430b.htm	All discharges will comply with the CT Standards and permitting requirements. This includes stormwater control plans for site construction, and other remediation related water discharges.	All
FEDERAL – Discharge to Publicly Owned Treatment Works (POTW) (off-site activity) 40 CFR 403.5	TBC	Discharge of pollutants that pass-through the POTW without treatment, interfere with site activity, POTW operation, contaminate POTW sludge, or endanger health/safety of POTW workers, is prohibited. Specific prohibitions preclude the discharge of pollutants to POTWs that: Create a fire or explosion hazard in the POTW; Will cause corrosive/structural change to POTW; Obstruct flow; Are discharged at a flow rate and/or concentration that will result in interference; and Increase the temperature of waste-water entering the treatment plant that would result in interference, but in no case raise the POTW influent temperature above 104 F (40 C). Indirect discharge to a POTW.	If applicable, any such discharge to POTW would likely be limited to condensate accumulated during SVE or bioventing operations, which would be treated as necessary to meet applicable criteria prior to permitted discharge.	Groundwater Alternative 1 and 3
FEDERAL – Surface Water Control 40 CFR Sections 264.251(c)(d), 264.273(c)(d), and 264.301(c)(d)	RAR	Prevent run-on and control and collect run-off from a 24-hour 25-year storm (waste piles, land treatment facilities, landfills). RCRA hazardous waste treated, stored, or disposed after the effective date of the requirements. Prevent over-topping of surface impoundment.	These requirements will be considered for remedial construction activities completed at the Site. These standards will be implemented for any soil piles generated during installation or excavation activities.	N/A
FEDERAL – Discharge of Dredge and Fill Material to Waters of the US or Ocean Waters 40 CFR Section 230 and 33 CFR Sections 320 to 330	AR	The four conditions that must be satisfied before dredge and fill is an allowable alternative are: There must be no practical alternative. Discharge of dredged or fill material must not cause a violation of State water quality standards, violate any applicable toxic effluent standards, jeopardize an endangered species, or injure a marine sanctuary. No discharge shall be permitted that will cause or contribute to significant degradation of the water. Appropriate steps to minimize adverse effects must be taken. Determine long- and short-term effects on physical, chemical, and biological components of the aquatic ecosystem. Capping, dike stabilization, construction of beams and levees, and disposal of contaminated soil, waste material, or dredged material are examples of activities that may involve a discharge of dredged or fill material.	This requirement will be complied with during capping, river bank stabilization, and sediments removal activities.	Soil Alternative 3 River bank stabilization and Sediments Removal

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
STATE – Proposed as RCSA 22a-354i-1 through 10	RAR	The proposed regulations are intended to protect drinking water supplies through the regulation of activities that could contaminate public water supply aquifers. The proposal would require municipalities to designate scientifically identified aquifer protection areas on municipal zoning maps, and adopt compatible regulations for local implementation. See http://www.dep.state.ct.us/wtr/aquiferprotection/summary.htm for a summary of the proposed regulations, and http://www.dep.state.ct.us/wtr/aquiferprotection/apfinregs.pdf for the actual proposed regulations.	These regulations were considered for determining remedial objectives. Though the Site does not directly threaten any current water supply, the selected remedial alternatives can achieve adequate protection of further degradation of groundwater.	N/A
STATE – CGS 22a-365 to 378 Connecticut Water Diversion Policy Act	TBC	These statutes regulate many diversions of the waters of the State. Several broad categories are exempt, including any diversion of less than 50,000 gallons per day and any discharge permitted under CGS 22a-430. See Statutes beginning at http://www.cga.state.ct.us/2003/pub/Chap446i.htm#sec22a-365.htm	This regulation is not applicable to the Site.	N/A
STATE – RCSA 25-128-33 through 64 Regulations for the Well Drilling Industry	AR	These regulations apply mainly to any new water supply or withdrawal wells. The rules specify that non water supply wells must be constructed so that they are not a source or cause of groundwater contamination. Procedures for abandonment of wells apply to both water wells and other types of wells.	All drilling activities will be conducted in accordance with these regulations, and new wells will be constructed so as to not provide a potential pathway for contamination.	Soil Alternatives 1 and 2 Groundwater Alternatives 1, 2, and 3
STATE – CGS 25-126 through 137 Well Drilling, including the registration and permitting of wells and well drillers	RAR	Well drillers must be registered and permits and fees are required for each water supply well drilled. Separate registrations apply to water supply and non-water supply drillers. Permits are not required for non- water supply wells. However, the driller must file a completion report for both water supply wells and non-water supply wells. See http://www.cga.ct.gov/2005/pub/Chap482.htm#Sec25-130.htm	All drilling activities will be conducted in accordance with these regulations.	Soil Alternatives 1 and 2 Groundwater Alternatives 1, 2, and 3
STATE – RCSA 16-345-1 to 345-9 Underground Utility One Call System (Call Before You Dig)	AR	If any excavation by powered or mechanized equipment is to take place, the operator must request utility markouts through the Call Before You Dig clearing house at least two full working days prior to starting excavation. Information is available from http://www.cbyd.com/index.htm . Regulations and Statutes are also available through the CT Department of Public Utility Control (DPUC) at http://www.state.ct.us/dpuc/administ.htm	All excavation and drilling will commence with Call Before You Dig.	All
STATE – CT DEP Guidance on Utility Company Excavation, January 30, 2001	TBC	This guidance recommends procedures to be followed by utilities that encounter contaminated soil during repair or construction activities. Document is available from DEP's website at http://www.dep.state.ct.us/wtr/remediation/utilitycomp.htm.	Procedures to deal with impacted soils encountered during construction will be implemented and are expected to occur during implementation of the proposed remedial activities.	All

TABLE 33
ACTION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – Excavation 40 CFR 268 (Subpart D)	AR	Movement of excavated materials to new location and placement in or on land will trigger land disposal restrictions for the excavated waste or closure requirements for the unit in which the waste is being placed. Materials containing RCRA hazardous wastes subject to land disposal restrictions are placed in another unit. Area from which materials are excavated may require cleanup to levels established by closure requirements. RCRA hazardous waste placed at site after the effective date of the requirements.	All RCRA rules will be adhered to during excavation and placement of soils in containers for disposal. Soils that are moved to facilitate construction of in-situ remedial systems will not be removed from the RCRA unit as applicable, or will be appropriately disposed of.	All
STATE – adopted pursuant to CGS 22a-328 CT Guidelines for Soil Erosion and Sediment Control (May 2002)	RAR	The Guidelines provide technical and administrative guidance for the development, adoption, and implementation of erosion and sediment control program. Revised document issued May 2002, also identified as DEP Bulletin 34. For the Statute that authorizes this document, see http://www.cga.ct.gov/2005/pub/Chap446h.htm#Sec22a-328.htm The actual Guidelines are not available electronically.	This guidance will be followed to minimize soil erosion during remedial activities at the Site.	All
STATE – CT DEP Draft Site Characterization Guidance Document, June 12, 2000	TBC	This guidance document and accompanying guidance on specific issues has been produced to provide guidance to persons preparing environmental site assessments of potentially contaminated properties. The guidance advocates the use of a conceptual site model and phased investigations. The draft guidance document is available at http://www.epoc.org/scgd.htm	This guidance document will be considered if necessary, but site assessment has already been completed.	N/A
FEDERAL – Federal Executive Orders 11988 & 11990 Floodplain Management and Protection of Wetlands; 40 CFR Part 6 Appendix A	AR	Identifies federal agencies that must be consulted when wetlands or floodplains are to be altered. 40 CFR 6, Appendix A contains the USEPA policy for carrying out the provisions of EO 11988 and EO 11990.	Any work conducted within wetlands, wetlands buffer zones, and floodplains will be properly permitted. No alteration of wetlands or floodplain characteristics is anticipated.	All

Notes:
AR = applicable requirement.
N/A = not applicable.
RAR = relevant and appropriate requirement.
TBC = to be considered.
'All' includes all three soil remedial alternatives, all three groundwater remedial alternatives, and sediments removal and river bank stabilization activities.

TABLE 34
CHEMICAL SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
STATE – RCSA 19-13-B101 through B102 (the public health code) Standards for Private and Public Drinking Water Quality	AR	MCLs established under these standards are health-based limits for certain chemical substances in drinking water. Action levels (for private drinking water supply wells) are located at http://www.dph.state.ct.us/BCH/EEOH/private_wells_list.htm . Section 19-13-B101 of the Public Health Code (Private Water Supply Systems) is at http://www.dph.state.ct.us/phc/docs/30_Private_Water_Supply_Sys.doc, Section 19-13-B102 of the Public Health Code, (Public Drinking Water Quality Standards) including MCLs for public water supplies is at http://www.dph.state.ct.us/phc/docs/31_Public_Drinking_Water_Qu.doc. The entire Public Health Code is at: http://www.dph.state.ct.us/phc/phc.asp.	MCLs have been considered in establishing groundwater clean-up levels and selected remedial technologies can achieve these levels.	Groundwater Alternatives 1, 2, and 3
STATE – Proposed Revisions to portions of 22a-133k-1 through 3 Connecticut's Remediation Standard Regulations Volatilization Criteria, March 2003	AR	Revises how volatilization criteria are calculated, incorporated revised transport models and updated risk information, and volatilization criteria are applied. See http://www.dep.state.ct.us/wtr/regs/RvVolCri.pdf	Revisions will be considered for establishing groundwater clean-up levels. Remedial technologies considered in the RAP can achieve these criteria.	All
FEDERAL – CAA – National Ambient Air Quality Standards (NAAQS) 40 CFR 50.1-50.12	AR	NAAQS define levels of primary and secondary levels for six common air contaminants (sulfur dioxide, particulate matter, carbon monoxide, ozone, nitrogen dioxide and lead).	The majority of these air contaminants are not anticipated to be generated as a result of the remedial activities, with the exception of potential particulate matter (e.g., during excavation). Measures are available to control these emissions, as applicable, and this standard will be met.	Soil Alternatives 1,2, and 3 Groundwater Alternatives 1 and 3
FEDERAL – Section 304(a) of the CWA – Ambient Water Quality Criteria (AWQC)	RAR	Establishes guidelines for the protection of freshwater aquatic life and human health, based on ingestion of water and fish consumption	These standards would be applicable for the development of acceptable effluent discharge limits for remedial alternatives that may require discharge to the brook. Water associated with the groundwater remedies, river bank stabilization and sediments removal activities would be treated and discharged under permit in compliance with applicable standards. Water may also be discharged to sanitary sewer.	Groundwater Alternatives 1, 2, and 3 River bank stabilization and Sediments Removal

TABLE 34
CHEMICAL SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – SDWA MCLs 40 CFR 141.11 – 141.16	AR	MCLs- Enforceable standards for public drinking water systems.	MCLs have been considered in establishing groundwater clean-up levels and selected remedial technologies can achieve these levels.	Groundwater Alternatives 1, 2, and 3
FEDERAL – SDWA MCLGs 40 CFR 141.50 - 141.51	Not AR or RAR	MCLGs - Non-enforceable health goals for public water systems. MCLGs are set at levels that would result in no known or anticipated adverse health effects with an adequate margin of safety, without considering costs for treatment. See http://www.epa.gov/safewater/contaminants/index.html#8	MCLGs were evaluated for any compounds detected in on-site groundwater for which the MCLG concentration differs from its MCL concentration. These compounds are: • Arsenic – MCLG of 0 mg/L and MCL of 0.01 mg/L • Lead - MCLG of 0 mg/L and MCL of 0.01 mg/L • Thallium – MCLG of 0.0005 mg/L and MCL of 0.002 mg/L • Benzene – MCLG of 0 mg/L and MCL of 0.005 mg/L • Benzo(a)pyrene – MCLG of 0 mg/L and MCL of 0.0002 mg/L • Bis(2-ethylhexyl)phthalate – MCLG of 0 mg/L and MCL of 0.006 mg/L • PCE - MCLG of 0 mg/L and MCL of 0.005 mg/L • TCE - MCLG of 0 mg/L and MCL of 0.005 mg/L • Vinyl chloride - MCLG of 0 mg/L and MCL of 0.002 mg/L However, the above MCLGs are not relevant or appropriate, as they are lower than laboratory method detection limits.	Groundwater Alternatives 1, 2, and 3
FEDERAL – USEPA Risk RfDs	TBC	RfDs are dose levels developed by the USEPA for non-carcinogenic effects.	This is not applicable to current remedial activities. USEPA RfDs will be considered to characterize risks due to exposure to COCs in groundwater and other media in any future risk assessment phase, if applicable. The selected remedial alternatives can achieve risk based criteria, if applicable.	N/A

TABLE 34
CHEMICAL SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Actions Taken	Applicable Remedial Alternatives
FEDERAL – USEPA Carcinogen Group Potency Factors	TBC	Potency Factors are developed by the USEPA from Health Assessments or evaluation by the Carcinogen Effects Assessments Group.	USEPA Carcinogenic Potency Factors will be considered to compute the individual incremental cancer risk resulting from exposure to Site COCs in any future risk assessment phase, if applicable. The selected remedial alternatives can achieve risk based criteria, if applicable.	N/A
FEDERAL – NOAA Technical Memorandum NOS OMA 52	TBC	Reference doses for various contaminants in sediments and their potential biological effects on biota exposed to the contaminants.	Reference doses for sediments will be used, as applicable, in any future risk assessment phases.	N/A

Notes:
AR = applicable requirement.
N/A = not applicable.
RAR = relevant and appropriate requirement.
TBC = to be considered.
'All' includes all three soil remedial alternatives, all three groundwater remedial alternatives, and sediments removal and river bank stabilization activities.

TABLE 35
LOCATION- SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Action To Be Taken	Applicable Remedial Alternatives
STATE – CGS 22a-354 through 354aa and RCSA 22a-354i-1 through 354i-10 Aquifer Protection Areas	AR	These statutes provide for the municipal regulation of various activities in aquifer protection areas. See http://www.cga.ct.gov/2005/pub/Chap446i.htm#Sec22a-354a.htm. For general information on this program, see http://www.dep.state.ct.us/wtr/aquiferprotection/index.htm. A fact sheet describing the program is at http://www.dep.state.ct.us/wtr/aquiferprotection/apafs.pdf. These regulations are intended to protect drinking water supplies through the regulation of activities that could contaminate public water supply aquifers. The regulations require municipalities to designate scientifically identified aquifer protection areas on municipal zoning maps, and adopt compatible regulations for local implementation. The regulations (which became effective 2/2/04) are available at http://www.dep.state.ct.us/wtr/aquiferprotection/apfinregs.pdf.	Groundwater classifications were considered when determining the remedial objectives at the Site. The remedial alternatives selected for the Site can achieve standards and appropriate protection for the classification of the aquifer in the vicinity of the Site.	Groundwater Alternatives 1, 2, and 3
FEDERAL – Groundwater Protection Strategy	TBC	USEPA's groundwater protection strategy (USEPA Office of Groundwater Protection, August 1984) includes the following components: • Assessing the problems that may exist from unaddressed sources of contamination – in particular, leaking storage tanks, surface impoundments, and landfills; and • Issuing guidelines for USEPA decisions affecting groundwater protection and cleanup.	Potential uses of local groundwater were considered in setting remedial action objectives for groundwater.	Groundwater Alternatives 1, 2, and 3
FEDERAL – CWA Section 401 and 404; 40 CFR Parts 230:33 and 320-330	Not AR or RAR for Site	Requirements under these codes prohibit the discharge of dredged or fill material into water bodies or wetlands unless the procedures identified under the permitting requirements for this code are observed.	These requirements are not applicable and are not relevant to the proposed site activities; no filling of surface water or other water bodies is proposed.	N/A

TABLE 35
LOCATION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Action To Be Taken	Applicable Remedial Alternatives
FEDERAL – EPA-established total maximum daily loads (TMDLs) under the CWA	TBC	TMDLs are planning tools designed to reduce contributing point and nonpoint sources of pollutants in water quality limited segments (WQLS). TMDLs calculate the greatest amount of loading of a pollutant that a water body can receive without exceeding CWA water quality standards.	Broad Brook is on the CT 2008 Impaired Waters List, which is reported to the EPA every 2 years. Its assessment includes impaired designated use(s) and a priority ranking for TMDL development. Broad brook does not currently have a TMDL established and has been categorized as having a low to medium potential for the EPA to develop a TMDL within the next 3 years, pending further data. Therefore, this TBC is not applicable unless a TMDL is established at a future date.	N/A
STATE – CGS 22a-36 through 45 Inland Wetland and Watercourses Act	RAR	These statutes regulate any operation in or affecting a wetland or watercourse involving removal or deposition of material or any obstruction, construction, alteration or pollution of such wetlands. See http://www.cga.ct.gov/2005/pub/Chap440.htm#Sec22a-36.htm	Remedial activities will be conducted in wetlands, wetlands buffer zones, and within the Broad Brook. These statutes will be adhered to in the implementation of these activities.	All
STATE – RCSA 22a-39-1 to 15 Surface Water and Wetlands – Inland Wetlands and Watercourses Regulations	AR	These regulations apply to activities within or affecting inland wetlands. Except for major Department of Transportation projects, regulation and enforcement is delegated to local wetlands agencies.	Remedial activities will be conducted in wetlands, wetlands buffer zones, and within the Broad Brook. These statutes will be adhered to in the implementation of these activities.	All
FEDERAL – Federal Executive Orders 11988 & 11990 Floodplain Management and Protection of Wetlands; 40 CFR Part 6 Appendix A	TBC	Identifies federal agencies that must be consulted when wetlands are to be altered. 40 CFR 6, Appendix A contains the USEPA policy for carrying out the provisions of EO 11988 and EO 11990.	Remedial activities will be conducted in wetlands, wetlands buffer zones, and within the Broad Brook. These statutes will be adhered to in the implementation of these activities.	All
STATE – CGS 22a-45a Surface Water and Wetlands – Inland Wetlands and Watercourses Act – General Permit Requirements	AR	This statute authorizes the Commissioner to adopt a general permit for various minor activities including installation of water quality monitoring equipment, excavation of test pits, and core sampling. See http://www.cga.ct.gov/2005/pub/Chap440.htm#Sec22a-45a.htm	These requirements will be considered when conducting installation of monitoring wells in or near surface water bodies at the site, as needed.	All

TABLE 35
LOCATION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Action To Be Taken	Applicable Remedial Alternatives
STATE – CGS 22a-342 through 350 Stream Channel Encroachment	TBC	These statutes prohibit the establishment of any obstruction or encroachment, without a permit from DEP, within designated stream channel encroachment lines. See http://www.cga.ct.gov/2005/pub/Chap446i.htm#Sec22a-342.htm	These statutes will be considered if necessary, but are not anticipated in the proposed remedial activities.	N/A
STATE – CGS 22a-359 through 363f Regulation of Dredging and Erection of Structures and Placement of Fill in Tidal, Coastal, or Navigable Waters	TBC	These statutes regulate dredging, the erection of structures, and placement of fill in tidal, coastal, or navigable waters water ward of the high tide line. See http://www.cga.ct.gov/2005/pub/Chap446i.htm#Sec22a-359.htm	These statutes are applicable to the proposed sediment removal activities and will be properly permitted.	Sediments removal
FEDERAL – Rivers and Harbors Act, Section 10, 33 CFR Parts 320 to 323	TBC	Activities that could impede navigation and commerce are prohibited. Prohibits authorized obstruction or alteration of any navigable waterway.	The course of the channel will not be blocked or modified by the proposed sediment removal activities.	Sediments removal
FEDERAL – Coastal Barrier Resources Act	Not AR or RAR for Site	Prohibits any new Federal expenditure within the Coastal Barrier Resource System.	These requirements are not applicable nor relevant and appropriate to the Site.	N/A
STATE – CGS 22a-90 through 112 Coastal Management Act	TBC	This statute establishes Connecticut's enforceable coastal zone policies in accordance with the federal Coastal Zone Management Act. See http://www.cga.ct.gov/2005/pub/Chap444.htm#Sec22a-90.htm.	These statutes are not applicable to the Site.	N/A
STATE – CGS 22a-28 through 35 Tidal Wetlands Act	TBC	These statutes regulate activities within tidal wetlands. See http:// www.cga.ct.gov/2005/pub/Chap440.htm#sec22a-28.htm	These statutes are not applicable to the Site.	N/A
STATE – RCSA 22a-30-1 through 30-17. Tidal Wetlands Regulations	TBC	These regulations apply to activities within tidal wetlands.	These statutes are not applicable to the Site.	N/A
FEDERAL – RCRA General Facility Standards 40 CFR 264.18(b)	TBC	Facility where RCRA hazardous waste will be treated, stored, or disposed that lies within a 100-year floodplain must be designed, constructed, operated, and maintained to prevent the washout of any hazardous waste in the event of a 100-year flood.	The site will not be a RCRA treatment, storage, or disposal facility, so these requirements are not applicable. All treatment is in-situ, and excavated soils will be removed to an approved off-site facility, as appropriate.	N/A

TABLE 35
LOCATION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Action To Be Taken	Applicable Remedial Alternatives
STATE – CGS 25-68b through 25-68h Flood Management	Not AR or RAR for Site	A factsheet describing the Flood Management Certification Program is available at http://www.dep.state.ct.us/pao/IWRDfact/flood.htm. This statute regulates state activities in flood plains to minimize flood risk and prevent flood hazards. The use of state funding constitutes a state activity for purposes of these sections. See http://www.cga.ct.gov/2005/pub/Chap476a.htm	Parts of the Site are located within a 100-year flood zone. No activities taken at the site will affect behavior of the flood plain storage characteristic, nor will they affect risk or hazards associated with any natural flood event.	N/A
STATE – RCSA 25-68h-1 through 25-68h-3	Not AR or RAR for Site	These regulations were adopted to implement the Flood Management statutes.	Parts of the Site are located within a 100-year flood zone. No activities taken at the site will affect behavior of the flood plain storage characteristic, nor will they affect risk or hazards associated with any natural flood event.	N/A
FEDERAL – RCRA General Facility Standards 40 CFR 264.18(a) Seismic Standards	TBC	Construction of new hazardous waste treatment, storage, or disposal facilities is prohibited within 200 feet of a fault that has had a displacement in Holocene time.	No above ground hazardous waste treatment, storage, or disposal facility will be located on Site. All treatment is conducted in-situ, and these requirements do not apply.	N/A
FEDERAL – 40 CFR 264.18(c) within salt dome formation, underground mine, or cave	TBC	Placement of non-containerized or bulk liquid hazardous waste prohibited, RCRA hazardous waste placement.	No above ground hazardous waste treatment, storage, or disposal facility will be located on Site. All treatment is conducted in-situ, and these requirements do not apply.	N/A
FEDERAL – 16 USC 661 et. Seq., Fish and Wildlife Coordination Act	AR	Requires actions to be taken to avoid adverse effects, minimize potential harm to fish or wildlife, and to preserve natural and beneficial uses of the land.	This requirement will be complied with, as applicable, for the sediment issues in Broad Brook.	Sediments removal
FEDERAL – Endangered Species Act of 1973, 50 CFR Parts 200 & 402, Fish and Wildlife Coordination Act, 33 CFR Parts 320-330	Not AR or RAR for Site	Action to conserve endangered species or threatened species, including consultation with the Department of the Interior. Determination of presence of endangered or threatened species.	There is no record of threatened or endangered species within a one-mile radius of the Site.	N/A

TABLE 35
LOCATION-SPECIFIC POTENTIAL ARARs
Broad Brook Mill Site, East Windsor, CT

Requirement	Type	Synopsis	Action To Be Taken	Applicable Remedial Alternatives
FEDERAL – National Historic Preservation Act (16 USC 469 and 470), 36 CFR Part 800	AR	Action to recover and preserve artifacts; alteration of terrain that threatens significant scientific, prehistorically, historical, or archeological data. Action to preserve historic properties; planning of action to minimize harm to National Historic Landmarks, Property included in or eligible for the National Register of Historic Places.	These requirements are considered for remedial actions completed at the Site. The State Historic Preservation Office has been consulted. None of the remaining structures at the site will be impacted by the proposed activates. In the event that any structures will be disturbed or demolished, the structures will be professionally documented to the standards of the State Historic Preservation Office (SHPO), as requested by the SHPO (Sept.9, 2009).	All
FEDERAL – Wilderness Act 50 CFR 35.1	Not AR or RAR for Site	Areas must be administered in such a manner as will leave it unimpaired as wilderness and to preserve its wilderness. Federally-owned area designated as wilderness area.	This requirement is not applicable nor relevant and appropriate to the Site.	N/A
FEDERAL – Wild and Scenic Rivers Act 40 CFR 6.302(e)	Not AR or RAR for Site	Avoid taking or assisting in action that will have direct adverse effect on scenic river. Activities that affect or may affect any of the rivers specified in Section 1276(a). Avoid taking or assisting in action that will affect a recreational river.	This requirement is not applicable nor relevant and appropriate to the Site.	N/A
FEDERAL – Groundwater Classification Guidelines	TBC	Classifies groundwater by its potential beneficial uses.	Designated groundwater classification was considered in developing remedial action objectives for the Site. The remedial alternatives were selected to achieve appropriate standards relevant to the designated use classification.	Groundwater Alternatives 1, 2, and 3
FEDERAL – Criteria for Location Acceptability and Existing Regulations for Evaluating Locations	TBC	Guidance on parameters that should be evaluated when selecting the location for a RCRA facility.	This requirement is not applicable to the Site. No RCRA facility will be established on the Site.	N/A
STATE – General Guidance on Development of Former Agricultural Properties, dated March 1999	TBC	This guidance (prepared by CT DEP and the Department of Public Health) provides an approach to addressing residual pesticide concentrations in soil on former agricultural properties undergoing development for other than agricultural use. Document available at http://www.dep.state.ct.us/wtr/remediation/agproperty.htm.	This guidance is not applicable to the Site. No agricultural or residual pesticide chemicals were identified above applicable standards. The Site is not a former agricultural location.	N/A

Notes:
AR = applicable requirement.
N/A = not applicable.
RAR = relevant and appropriate requirement.
TBC = to be considered.
'All' includes all three soil remedial alternatives, all three groundwater remedial alternatives, and sediments removal and river bank stabilization activities.

TABLE 36
SOIL CLEANUP CRITERIA
Broad Brook Mill Site, East Windsor, CT

VOCs	Residential DEC (mg/kg)	Industrial DEC (mg/kg)	GA PMC (mg/kg)	GB PMC (mg/kg)
Acetone	500	1,000	14	140
Carbon disulfide*	500	1,000	14	140
Chloroform	100	940	0.12	1.2
Methyl ethyl ketone	500	1,000	8	80
Methyl tert-butyl ether	500	1,000	2	20
Benzene	21	200	0.02	0.2
Toluene	500	1,000	20	67
Ethylbenzene	500	1,000	10.1	10.1
Xylenes (Total)	500	1,000	19.5	19.5
Chlorobenzene	500	1,000	2	20
1,2-Dichlorobenzene	500	1,000	3.1	3.1
1,3-Dichlorobenzene	500	1,000	12	120
1,4-Dichlorobenzene	26	240	1.5	15
Tetrachloroethylene (PCE)	12	110	0.1	1
Trichloroethylene (TCE)	56	520	0.1	1
1,1,1-Trichloroethane	500	1,000	4	40
cis-1,2-Dichloroethylene	500	1,000	1.4	14
trans-1,2-Dichloroethylene	500	1,000	2	20
1,1-Dichloroethylene	1	9.5	0.14	1.4
1,1-Dichloroethane	500	1,000	1.4	14
Vinyl chloride	0.32	3	0.04	0.4
Chloroethane	-	-	-	-
SVOCs	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Acenaphthene*	1,000	2,500	8.4	84
Acenaphthylene	1,000	2,500	8.4	84
Anthracene	1,000	2,500	40	400
Benzo (a) anthracene	1	7.8	1	1
Benzo (a) pyrene	1	1	1	1
Benzp (b) fluoranthene	1	7.8	1	1
Benzo (ghi) perylene*	1,000	2,500	4.2	42
Benzo (k) fluoranthene	8.4	78	1	1
Bis (2-ethylhexyl) phthalate	44	410	1	11
Chrysene (1,2-benzophenanthrene)*	84	780	1	1
Dibenzo (a,h) anthracene*	1	1	1	1
Dibutyl phthalate	1,000	2,500	14	140
Fluoranthene	1,000	2,500	5.6	56
Fluorene	1,000	2,500	5.6	56
Indeno (1,2,3-cd) pyrene*	1	8	1	1
Naphthalene	1,000	2,500	5.6	56
Phenanthrene	1,000	2,500	4	40
Pyrene	1,000	2,500	4	40
Metals	(mg/kg)	(mg/kg)	(mg/L)**	(mg/L)**
Antimony	27	8,200	0.006	0.06
Arsenic	10	10	0.05	0.5
Barium	4,700	140,000	1	10
Beryllium	2	2	0.004	0.04
Boron	6,100	-	12.6	126
Cadmium	34	1,000	0.005	0.05
Chromium (tri- / hexa-valent)	(3,900 / 100) +	(51,000 / 100) +	0.05 ++	0.5 ++
Copper	2,500	76,000	1.3	13
Lead	500	1,000	0.015	0.15
Mercury	20	610	0.002	0.02
Nickel	1,400	7,500	0.1	1
Selenium	340	10,000	0.05	0.5
Silver	340	10,000	0.036	0.36
Thallium	5.4	160	0.005	0.05
Vanadium	470	14,000	0.05	0.5
Zinc	20,000	610,000	5	50
Other	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Total petroleum hydrocarbons	500	2,500	500	2,500

Notes:

DEC = Direct Exposure Criteria; PMC = Pollutant Mobility Criteria.

mg/kg = milligram per kilogram.

mg/L = milligram per liter.

* = Cleanup criteria values obtained from CTDEP's April 30, 1999 document titled "Approved Criteria for Additional Polluting Substances".

** = Leachate analysis in mg/L by TCLP or SPLP.

+ (51000 / 100) = trivalent Chromium (III) / hexavalent Chromium (VI).

++ = Total Chromium.

Criteria values developed by LEA and presented in the Final Site Investigation Report dated May 1, 1998.

- = a review of the RSRs indicates that there are no available methodologies for the development of alternative criteria.

TABLE 37
GROUNDWATER CLEANUP CRITERIA
Broad Brook Mill Site, East Windsor, CT

VOCs	GWPC (GA) (ug/L)	SWPC (ug/L)	VC (ug/L)	Federal MCL (ug/L)	Federal MCLG (ug/L)
Acetone	700	-	50,000	-	-
Carbon disulfide*	700	-	-	-	-
Chloroform	6	14,100	287	-	-
Methyl ethyl ketone	400	-	50,000	-	-
Methyl tert-butyl ether	100	-	50,000	-	-
Benzene	1	710	215	5	0
Toluene	1,000	4,000,000	23,500	1,000	1,000
Ethylbenzene	700	580,000	50,000	700	700
Xylenes (Total)	530	-	21,300	10,000	10,000
Chlorobenzene	100	420,000	1,800	100	100
1,2-Dichlorobenzene	600	170,000	30,500	600	600
1,3-Dichlorobenzene	600	26,000	24,200	-	-
1,4-Dichlorobenzene	75	26,000	50,000	75	75
Tetrachloroethylene (PCE)	5	88	1,500	5	0
Trichloroethylene (TCE)	5	2,340	219	5	0
1,1,1-Trichloroethane	200	62,000	20,400	200	200
cis-1,2-Dichloroethylene**	70	3	-	70	70
trans-1,2-Dichloroethylene**	100	5,526	-	100	100
1,1-Dichloroethylene	7	96	1	7	7
1,1-Dichloroethane	70	-	34,600	-	-
Vinyl chloride	2	15,750	2	2	0
Chloroethane	-	-	-	-	-
SVOCs	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Acenaphthene*	420	-	na	-	-
Acenaphthylene	420	0.3	na	-	-
Anthracene	2,000	1,100,000	na	-	-
Benzo (a) anthracene	0.06	0.3	na	-	-
Benzo (a) pyrene	0.2	0.3	na	0.2	0
Benzo (b) fluoranthene	0.08	0.3	na	-	-
Benzo (ghi) perylene*	210	-	na	-	-
Benzo (k) fluoranthene	0.5	0.3	na	-	-
Bis (2-ethylhexyl) phthalate	2	59	na	-	-
Chrysene (1,2-benzophenanthrene)*	4.8	-	na	-	-
Dibenzo (a,h) anthracene*	0.5	-	na	-	-
Dibutyl phthalate	700	120,000	na	-	-
Fluoranthene	280	3,700	na	-	-
Fluorene	280	140,000	na	-	-
Indeno (1,2,3-cd) pyrene*	0.5	-	na	-	-
Naphthalene	280	-	na	-	-
Phenanthrene	200	0.077	na	-	-
Pyrene	200	110,000	na	-	-
Metals	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Antimony	6	86,000	na	6	6
Arsenic	50	4	na	10	0
Barium	1,000	-	na	2,000	2,000
Beryllium	4	4	na	4	4
Boron	630	-	na	-	-
Cadmium	5	6	na	5	5
Chromium (tri- / hexa-valent)	50 +	(1,200 / 110) ++	na	100 +	100 +
Copper	1,300	48	na	1,300	1,300 / (1,000) ǂ
Lead	15	13	na	15	0
Mercury	2	0.4	na	2	2
Nickel	100	880	na	-	-
Selenium	50	50	na	50	50
Silver	36	12	na	-	(100) ǂ
Thallium	5	63	na	2	0.5
Vanadium	50	-	na	-	-
Zinc	5,000	123	na	-	(5,000) ǂ
Other	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Total petroleum hydrocarbons	500	-	-	-	-

Notes:

GWPC = Groundwater Protection Criteria; SWPC = Surface Water Protection Criteria; VC = Volatilization Criteria

MCL = Maximum Contaminant Levels; MCLG = Maximum Contaminant Level Goals

ug/L = microgram per liter.

+ = Total Chromium.

++ (51,000 / 100) = trivalent Chromium (III) / hexavalent Chromium (VI).

* = Cleanup criteria values obtained from CTDEP's April 30, 1999 document titled "Approved Criteria for Additional Polluting Substances".

** = Cleanup criteria values developed by using corrected criteria formulas presented in November 18, 2002 memorandum from Tracy Lott.

(1,000)ǂ = National Secondary Drinking Water Regulation Standard.

Criteria values developed by LEA and presented in the Final Site Investigation Report dated May 1, 1998.

- = no set criteria.

na = not applicable.

TABLE 38A
SWPC COMPLIANCE EVALUATION FOR ARSENIC
Broad Brook Mill Site, East Windsor, CT

Well ID	Q1: February 2004 Data		Q2: May 2004 Data		Q3: August 2004 Data		Q4: November 2004 Data		Average
	Actual Data	Calculation Value	Actual Data	Calculation Value	Actual Data	Calculation Value	Actual Data	Calculation Value	
MW-03	4 U	2	4.4	4.4	34	34	9	9	12.4
MW-11D	4 U	2	0.96 U	0.48	0.96 U	0.48	0.62 U	0.31	0.8
MW-11S	7.3 J	7.3	0.96 U	0.48	0.96 U	0.48	0.62 U	0.31	2.1
MW-12	4 U	2	0.96 U	0.48	0.96 U	0.48	0.62 U	0.31	0.8
MW-16	5.4 J	5.4	0.96 U	0.48	0.96 U	0.48	0.62 U	0.31	1.7
MW-22	4 U	2	3.1	3.1	4.2	4.2	1.8 B	1.8	2.8
MW-23D	4 U	2	0.96 U	0.48	0.96 U	0.48	0.62 U	0.31	0.8
MW-23S	4 U	2	0.96 U	0.48	2.6	2.6	0.74 B	0.74	1.5
MW-25*	4 U	2	0.96 U	0.48	0.96 U	0.48	4 U*	2	1.2
MW-26*	4 U	2	0.96 U	0.48	0.96 U	0.48	4 U*	2	1.2
MW-31BR*	4 U	2	0.96 U	0.48	0.96 U	0.48	4 U*	2	1.2
MW-32**	12.2 **	12.2	12.2 **	12.2	6.7	6.7	12.2	12.2	10.8
Average		3.58		2.00		4.28		2.61	**3.12**

Notes:
SWPC = Surface Water Protection Criteria.
Concentrations are reported in µg/L or ppb.
U = compound was not detected at the indicated concentration.
B = analyte also present in laboratory method blank.
J = estimated value.
A non-detect for a sampling event results in 1/2 of the detection limit being used for the calculation of the average.
* = Monitoring locations MW-25, MW-26 and MW-31BR were not sampled in November 2004 for arsenic. In order to be conservative, the highest value of the three previous sampling events was used as the missing sampling event concentration.

** = Monitoring location MW-32 was only sampled in August and November 2004 for arsenic. In order to be conservative, the highest value of the two sampling events was used as the missing sampling event concentrations.

Overall average over four consecutive quarters of sampling (per RSR 22a-133k-3(f)(2))	**Arsenic**
	3.12
Surface Water Criteria	4

TABLE 38B
SWPC COMPLIANCE EVALUATION FOR COPPER
Broad Brook Mill Site, East Windsor, CT

Well ID	Q1: November 2003 Data		Q2: February 2004 Data		Q3: May 2004 Data		Q4: August 2004 Data		Average
	Actual Data	Calculation Value	Actual Data	Calculation Value	Actual Data	Calculation Value	Actual Data	Calculation Value	
MW-03	42	42	120	120	52	52	33	33	61.8
MW-11D	10 U	5	1.6 U	0.8	6.7 J	6.7	1.6 U	0.8	3.3
MW-11S	10 U	5	1.6 U	0.8	1.6 U	0.8	1.6 U	0.8	1.9
MW-12	10 U	5	1.6 U	0.8	1.6 U	0.8	1.6 U	0.8	1.9
MW-16	10 U	5	1.6 U	0.8	1.6 U	0.8	1.6 U	0.8	1.9
MW-22	10 U	5	1.6 U	0.8	26	26	1.6 U	0.8	8.2
MW-23D	10 U	5	1.6 U	0.8	1.6 U	0.8	1.6 U	0.8	1.9
MW-23S	10 U	5	1.6 U	0.8	6.8 J	6.8	20	20	8.2
MW-25	10 U	5	1.6 U	0.8	1.6 J	1.6	1.6 U	0.8	2.1
MW-26	10 U	5	1.6 U	0.8	4 J	4	1.6 U	0.8	2.7
MW-31BR	10 U	5	1.6 U	0.8	2.4 J	2.4	1.6 U	0.8	2.3
MW-32*	10 U	5	58 *	58	58 *	58	58	58	44.8
Average		8.1		15.50		13.39		9.85	***11.7***

Notes:
SWPC = Surface Water Protection Criteria.
Concentrations are reported in µg/L or ppb.
U = compound not detected at the indicated concentration.
J = estimated value.
A non-detect for a sampling event results in 1/2 of the detection limit being used for the calculation of the average.
* = Monitoring location MW-32 was only sampled in November 2003 and August 2004 for copper. In order to be conservative, the highest value of the two sampling events was used as the missing sampling event concentrations.

Overall average over four consecutive quarters of sampling (per RSR 22a-133k-3(f)(2))	**Copper**
	11.7
Surface Water Criteria	48

TABLE 38C
SWPC COMPLIANCE EVALUATION FOR ZINC
Broad Brook Mill Site, East Windsor, CT

Well ID	Q1: November 2003 Data		Q2: February 2004 Data		Q3: May 2004 Data		Q4: August 2004 Data		Average
	Actual Data	Calculation Value	Actual Data	Calculation Value	Actual Data	Calculation Value	Actual Data	Calculation Value	
MW-03	15	15	36	36	16	16	10	10	19.3
MW-11D	16	16	11	11	36	36	8 J	8	17.8
MW-11S	19	19	16	16	19	19	14	14	17.0
MW-12	33	33	12	12	18	18	12	12	18.8
MW-16	10 U	5	12	12	25	25	9.8 J	9.8	13.0
MW-22	17	17	13	13	23	23	2.4 J	2.4	13.9
MW-23D	66	66	55	55	21	21	8.9 J	8.9	37.7
MW-23S	38	38	34	34	44	44	140	140	64.0
MW-25	82	82	62	62	100	100	48	48	73.0
MW-26	72	72	65	65	56	56	38	38	57.8
MW-31BR	15	13	15	15	10	10	6.7 J	6.7	11.2
MW-32*	21	21	98 *	98	98 *	98	98	98	78.8
Average		33.1		35.75		38.83		32.98	***35.2***

Notes:
SWPC = Surface Water Protection Criteria.
Concentrations are reported in µg/L or ppb.
U = compound not detected at the indicated concentration.
J = estimated value.
A non-detect for a sampling event results in 1/2 of the detection limit being used for the calculation of the average.
* = Monitoring location MW-32 was only sampled in November 2003 and August 2004 for zinc. In order to be conservative, the highest value of the two sampling events was used as the missing sampling event concentrations.

	Zinc
Overall average over four consecutive quarters of sampling (per RSR 22a-133k-3(f)(2))	***35.2***
Surface Water Criteria	123

TABLE 39
CONTAMINANTS OF CONCERN THAT EXCEED CRITERIA IN SOIL
Broad Brook Mill Site, East Windsor, CT

Metals	SVOCs	TPH	VOCs
Arsenic	Benzo(a)anthracene	TPH	1,1-dichloroethylene (1,1-DCE)
Chromium	Benzo(a)pyrene		1,1,1-trichloroethane (1,1,1-TCA)
Lead	Benzo(b)fluoranthene		Benzene
Mercury*	Benzo(k)fluoranthene		Cis-1,2-dichloroethylene (cis-1,2-DCE)
	Chrysene		Tetrachloroethylene (PCE)
	Dibenz(a,h)anthracene		Trichloroethylene (TCE)
	Indeno(1,2,3-cd)pyrene		Vinyl chloride

Notes:
Contaminants of concern were selected based on exceedances of DEC in soil. PMC are not considered for areas covered by the RSR polluted fill provision, with the exception of a few areas that do not qualify for the polluted fill provision and PMC exceedances were considered.
* = Mercury exceedances were addressed through the interim remedial activity described in Section 3.5.1.
TPH = Total Petroleum Hydrocarbons.

TABLE 40
COST SUMMARY FOR SOIL REMEDIAL ALTERNATIVES
Broad Brook Mill Site, East Windsor, CT

Remedy	Approximate Cost	Time for Design and Installation (Months)	Remedy Timeframe (years)	Description
Alternative 1 ⊗ Combination of Technologies with ELUR	$2,862,000	12	5+	The soil contaminated with metals will be excavated to a depth of 4 feet below land surface and the remaining soil impacted with organics (VOCs, SVOCs and TPH) will be treated using a combination of bioventing, biosparging, air sparging and SVE systems. DEC exceedances for VOCs, SVOCs and TPH will be treated to a depth of 4 ft below land surface and PMC exceedances for VOCs and TPH will be treated to a depth of 8 ft below land surface. An Environmental Land Use Restriction will be placed on the Lot 8 Property.
Alternative 2 ⊗ Combination of Technologies	$3,694,000	12	5+	The soil contaminated with metals will be excavated to maximum depth of DEC exceedence (not to exceed 15 feet below land surface) and the remaining soil impacted with organics (VOCs, SVOCs and TPH) will be treated using a combination of bioventing, biosparging, air sparging and SVE systems. DEC exceedances for VOCs, SVOCs and TPH will be treated to a depth of up to 15 ft below land surface and PMC exceedances for VOCs and TPH will be treated to a depth of 8 ft below land surface.
Alternative 3 ⊗ Engineering Control	$2,410,000	12-16	30+	Capping applicable area of the Site- involves the application of single or multiple layers of low/no permeable material which divert and collect the flow of water from infiltration. Quarterly site monitoring after capping event. VOCs and TPH treated in conjunction with groundwater remedy using SVE and bioventing.

Notes:
⊗ = Cost is based on net present value (Interest = 4%)

TABLE 41
CONTAMINANTS OF CONCERN THAT EXCEED CRITERIA IN GROUNDWATER
Broad Brook Mill Site, East Windsor, CT

Metals	SVOCs	TPH	VOCs
Arsenic	Acenaphthylene	TPH	1,1-dichloroethylene(1,1-DCE)
Cadmium	Benzo(a)anthracene		1,1,1-trichloroethane (1,1,1-TCA)
Chromium	Benzo(b)fluoranthene		1,4-dioxane
Copper	Phenanthrene		Cis-1,2-dichloroethylene (cis-1,2-DCE)
Lead			Tetrachloroethylene (PCE)
Zinc			Trichloroethylene (TCE)
			Vinyl chloride

Notes:
Contaminants of concern were selected based on one-time exceedances in groundwater monitoring data from November 2003 to present. Exceptions were made for antimony, thallium, and phthalates, which have been determined to be anomalous, as discussed in the text.
TPH = Total Petroleum Hydrocarbons.

TABLE 42
COST SUMMARY FOR GROUNDWATER REMEDIAL ALTERNATIVES
Broad Brook Mill Site, East Windsor, CT

Remedy	Approximate Cost	Timeframe for Design and Installation (Months)	Remedy Timeframe (years)	Description
Alternative 1 ⊗ Biosparging/Air Sparging/Chemical Injection	**$1,300,000**	**6**	**2 to 3**	In-situ air sparging and biosparging and injection of calcium polysulfide for groundwater treatment
Alternative 2 ⊗ Permeable Reactive Barrier (PRB) and Air Sparging/Biosparging	**$1,557,000**	**6**	**30**	Installation of an in-situ permeable reactive barrier near the dam for passive groundwater treatment and installation of air sparging and biosparging system north of powerhouse
Alternative 3 ⊗ Pump & Treat	**$1,547,000**	**6**	**30**	Installation of groundwater extraction system to contain impacted groundwater combined with an ex-situ treatment system

Notes:
⊗ = Cost is based on net present value (Interest = 4%)

TABLE 43
ESTIMATED PROJECT SCHEDULE
Broad Brook Mill Site, East Windsor, CT

Activity	Duration	Est. Start/Complete Date
Submittal of RAP to CTDEP/EPA		April 2010
RAP Technical Approach Approved*		May 2010
Public Comment Period – Start Date		June 2010
Public Comment Period – End Date	60 days	July 2010
Public Comments incorporated in the RAP**	2 weeks	August 2010
Final Approval of the RAP**	30 days	August-Sept. 2010
SOIL/SEDIMENT REMEDIATION		
Submittal to CTDEP/EPA of - a Detailed Remedy Implementation Plan and Schedule - b Soil and Surface Water Remediation Monitoring Plan		October 2010**
CTDEP Approval of Soil Remedy*	30 days	November 2010
Implementation of Soil Remedy		November 2010
Completion of Soil Remedy Construction	12 months***	November 2012
Completion of Soil Remedy	3-5 years	2014-2015
GROUNDWATER REMEDIATION +		
Field Pilot Testing and Detailed Remedial Design		May/June, 2010
Submittal to CTDEP/EPA of - a Detailed Remedy Implementation Plan and Schedule - b Groundwater Remediation Monitoring Plan		October 2010**
CTDEP Approval of Groundwater Remedy*	30 days	November 2010
Implementation of Groundwater Remedy+		November 2010
Completion of Groundwater Remedy Construction	6-12 months***	November 2011
Completion of Groundwater Remedy	3-5 years	2014-2015
PROGRESS REPORTS	60 days	Due on Last Day of Even Months

Notes:
* = the activity is dependent on review, commenting, and approval by the CTDEP/EPA.
** = If no public comments are received, the Soil/Sediment and Groundwater Work Plans would be submitted 30 days after completion of the public comment period (September 2010).
*** = anticipated end date assumes potential lulls in construction due to winter weather months (i.e., Dec-Mar)
+ = groundwater remediation will be implemented in conjunction with soil remediation.

LIST OF FIGURES

Figure 1	Site Location Map
Figure 2	Site Aerial Photograph (Tax Assessors Map)
Figure 3	Site Map
Figure 4	Composite Soil Sampling Location Map
Figure 5	Composite Groundwater Sampling Location Map
Figure 6	Composite Soil Gas Sampling Location Map
Figure 7	Composite Sediment and Surface Water Sampling Location Map
Figure 8	Approximate Former Stream Channel
Figure 9A	VOCs in Soil – Northern Area
Figure 9B	VOCs in Soil – Southern Area
Figure 10	SVOCs in Soil
Figure 11	TPH in Soil
Figure 12A	Total and Extractable Metals in Soils – Northern Area
Figure 12B	Total and Extractable Metals in Soils – Southern Area
Figure 13	VOCs in Groundwater
Figure 14	SVOCs in Groundwater
Figure 15	TPH in Groundwater
Figure 16	Metals in Groundwater
Figure 17	Generalized Geologic Cross-Sections
Figure 18	Groundwater Elevation Contours: November 2003
Figure 19	Groundwater Elevation Contours: February 2004
Figure 20	Groundwater Elevation Contours: May 2004
Figure 21	Groundwater Elevation Contours: August 2004
Figure 22	Temporal and Geographic Differences Between Surface Water and Groundwater Elevation
Figure 23	Historical Coal Use Areas
Figure 24	Black Fill Material in Soil
Figure 25	Approximate Extent of Metals Detections in Polluted Fill
Figure 26	Approximate Extent of SVOCs Detections in Polluted Fill

Figure 27 Areas of VOC DEC Exceedances in Soil

Figure 28 Areas of VOC PMC Exceedances in Soil

Figure 29 Areas of SVOC DEC Exceedances in Soil

Figure 30 Areas of SVOC PMC Exceedances in Soil Related to Historical Operations

Figure 31 Areas of TPH DEC Exceedances in Soil

Figure 32 Areas of TPH PMC Exceedances in Soil

Figure 33 Areas of Metals DEC Exceedances in Soil

Figure 34 Soil Chromium PMC Exceedances with Potential Impact on Groundwater

Figure 35 Lot 8A: SVOCs Delineation at SB10-6

Figure 36 Lot 8A: TPH Delineation at SB-12

Figure 37 Lot 8A: Arsenic Delineation at SB-18

Figure 38 Lot 8A: Arsenic Delineation at SB-23

Figure 39 Monitoring Wells Used for Average Arsenic Concentration

Figure 40 Groundwater Exceeding Cleanup Criteria

Figure 41 Brook Bank Stabilization Map

Figure 42A SVOC Exceedance Areas with Historical Operations

Figure 42B Metal Exceedance Areas with Historical Operations

Figure 42C VOC Exceedance Areas with Historical Operations

Figure 42D TPH Exceedance Areas with Historical Operations

Figure 43A Soil Alternative 1: Combination Technologies with ELUR – Excavation

Figure 43B Soil Alternative 1: Combination Technologies with ELUR – Bioventing

Figure 43C Soil Alternative 1: Combination Technologies with ELUR – SVE

Figure 44A Soil Alternative 2: Combination Technologies without ELUR – Excavation

Figure 44B Soil Alternative 2: Combination Technologies without ELUR – Bioventing

Figure 44C Soil Alternative 2: Combination Technologies without ELUR – SVE

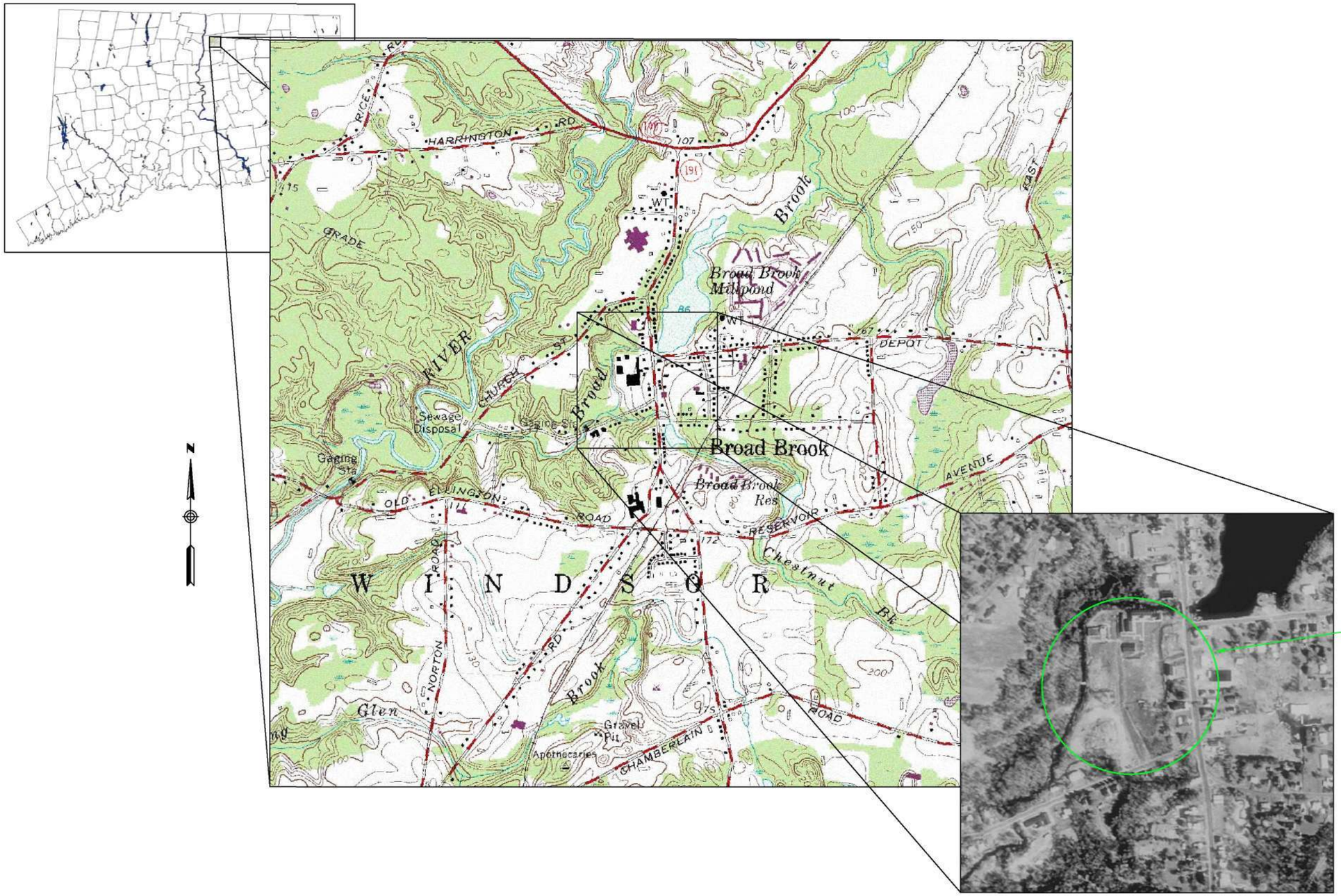
Figure 45 Soil Alternative 3: Engineering Control

Figure 46A Groundwater Alternative 1: CPS

Figure 46B Groundwater Alternative 1: AS/Biosparging

Figure 47 Groundwater Alternative 2: PRB/AS/Biosparging

Figure 48 Groundwater Alternative 3: Pump and Treat

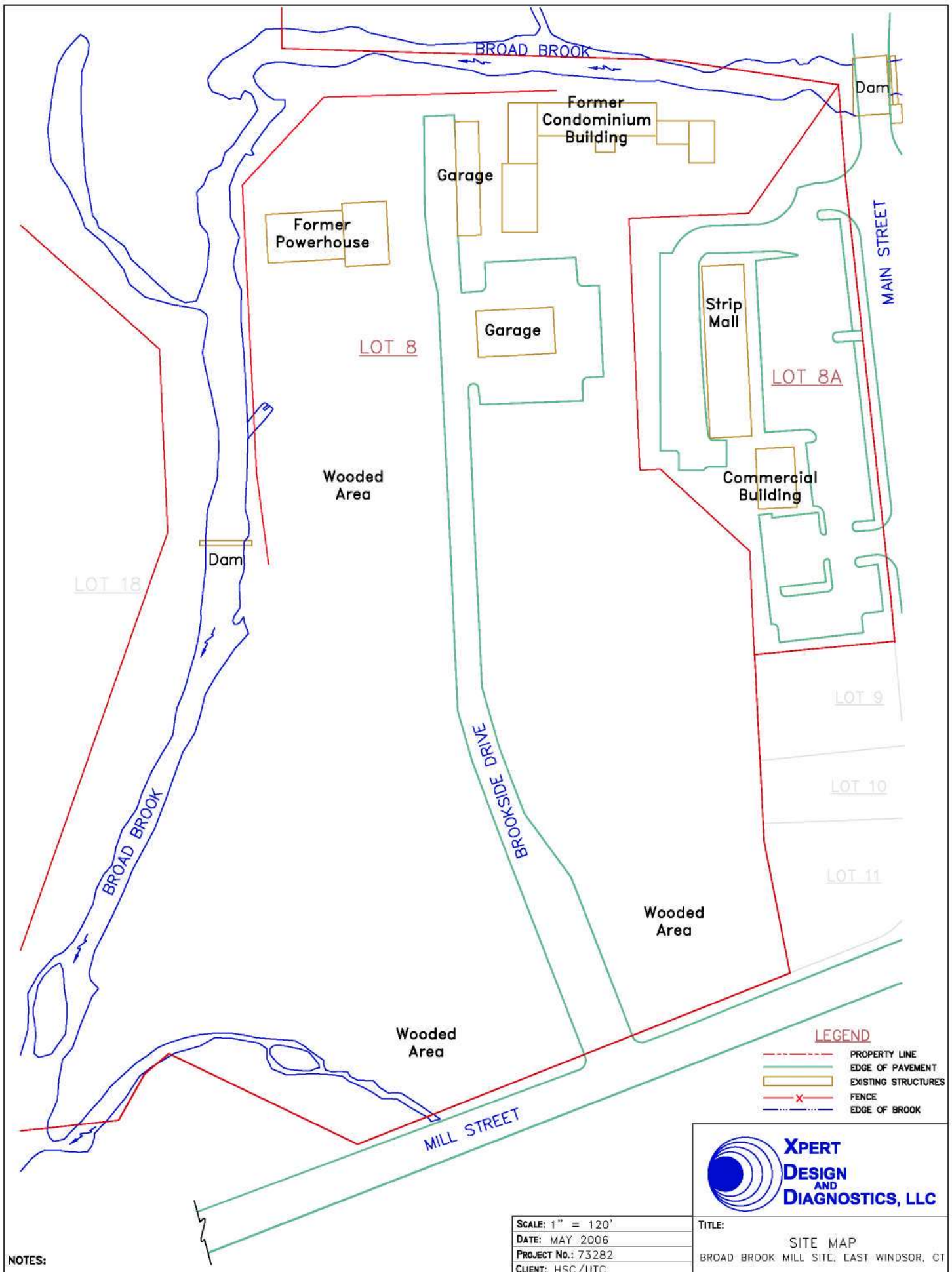


FORMER BROAD BROOK MILL

Note: The digital orthophotos for Connecticut depict
1990 photography
USGS Quadrangle 1984 Version

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: NONE	TITLE: SITE LOCATION MAP BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DK	DRAWING NO. FIGURE 1
CHECKED BY: JMP	REV. A
PROJ. MGMT. APPROVAL: MM	



NOTES:

Existing structures, property lines and reference elevations were obtained from the map entitled Grading Plan – Millbrook – Section 666 – Phases 5,6 – Property of CJP Incorporated" by Dubiel Associates, Scale 1" = 40', Revision July 1990. The revised property boundary location is obtained from Dubiel Associates drawing dated May 26, 2004.

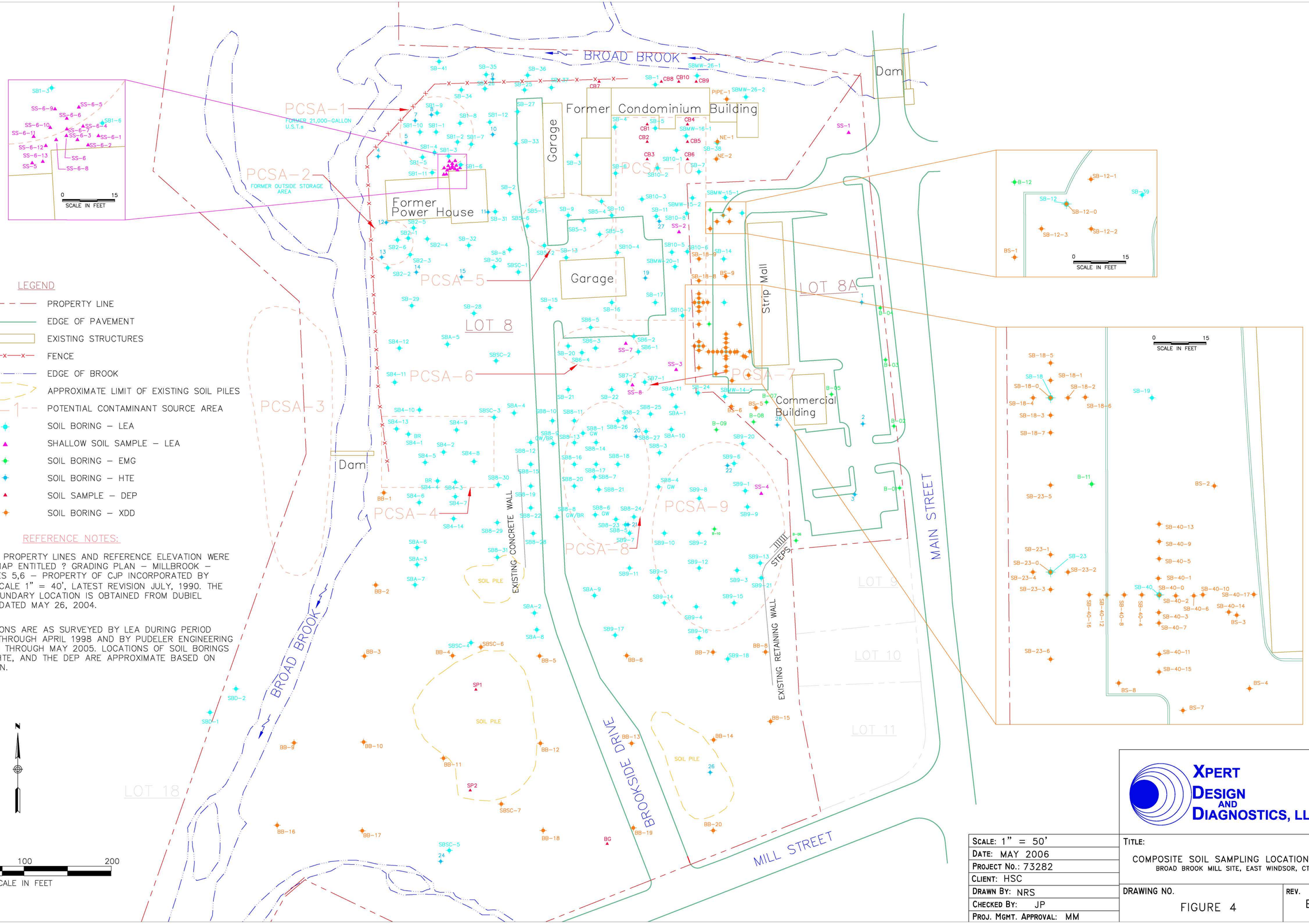
SCALE: 1" = 120'	
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: NRS	
CHECKED BY: JMP	
PROJ. MGMT. APPROVAL: MM	

XPERT DESIGN AND DIAGNOSTICS, LLC

TITLE: SITE MAP
BROAD BROOK MILL SITE, EAST WINDSOR, CT

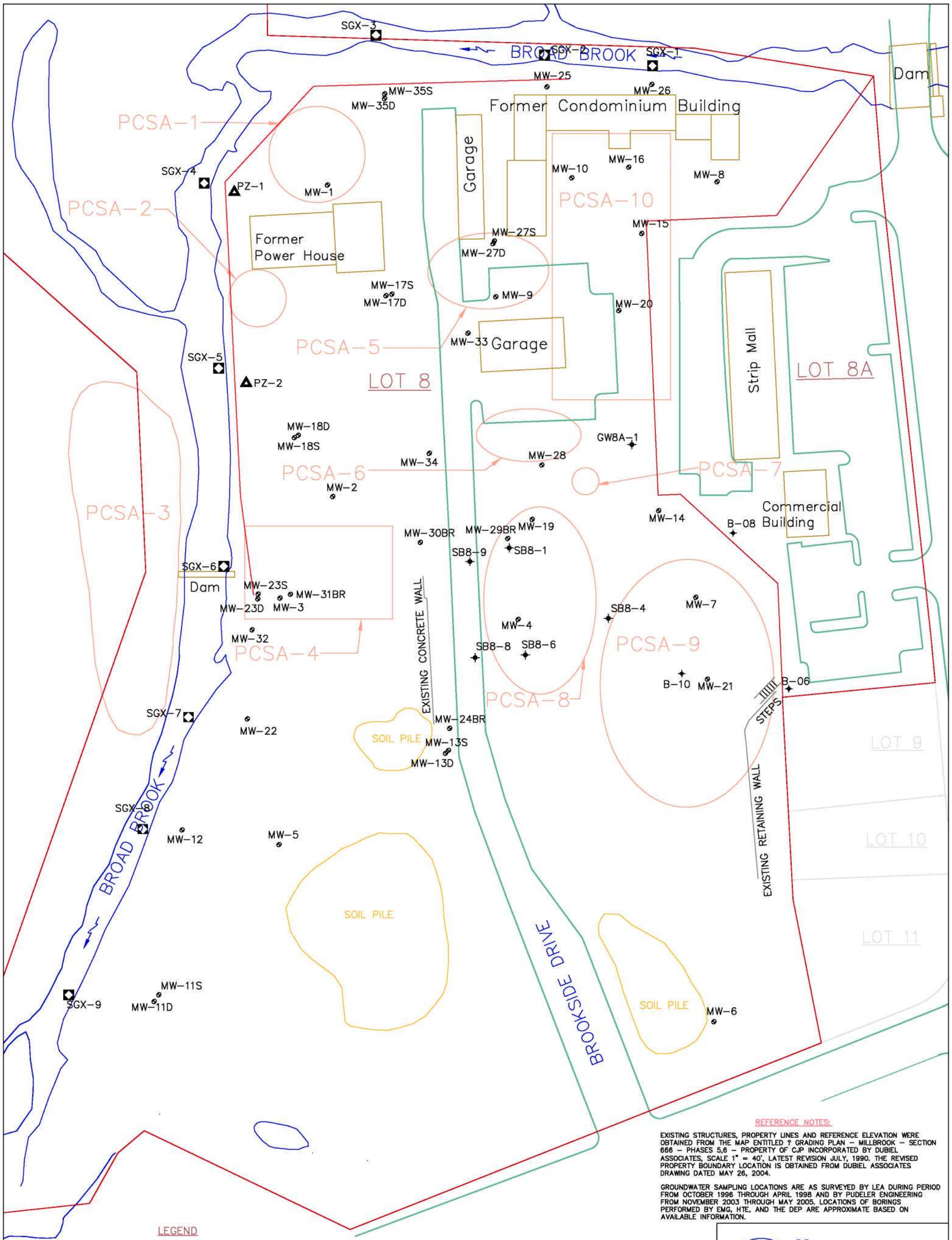
DRAWING NO. FIGURE 3

REV. C



XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1" = 50'	TITLE: COMPOSITE SOIL SAMPLING LOCATION MAP BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC	
DRAWN BY: NRS	DRAWING NO. FIGURE 4
CHECKED BY: JP	REV. B
PROJ. MGMT. APPROVAL: MM	



REFERENCE NOTES:

EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED ? GRADING PLAN – MILLBROOK – SECTION 666 – PHASES 5,6 – PROPERTY OF CJP INCORPORATED BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990. THE REVISED PROPERTY BOUNDARY LOCATION IS OBTAINED FROM DUBIEL ASSOCIATES DRAWING DATED MAY 26, 2004.

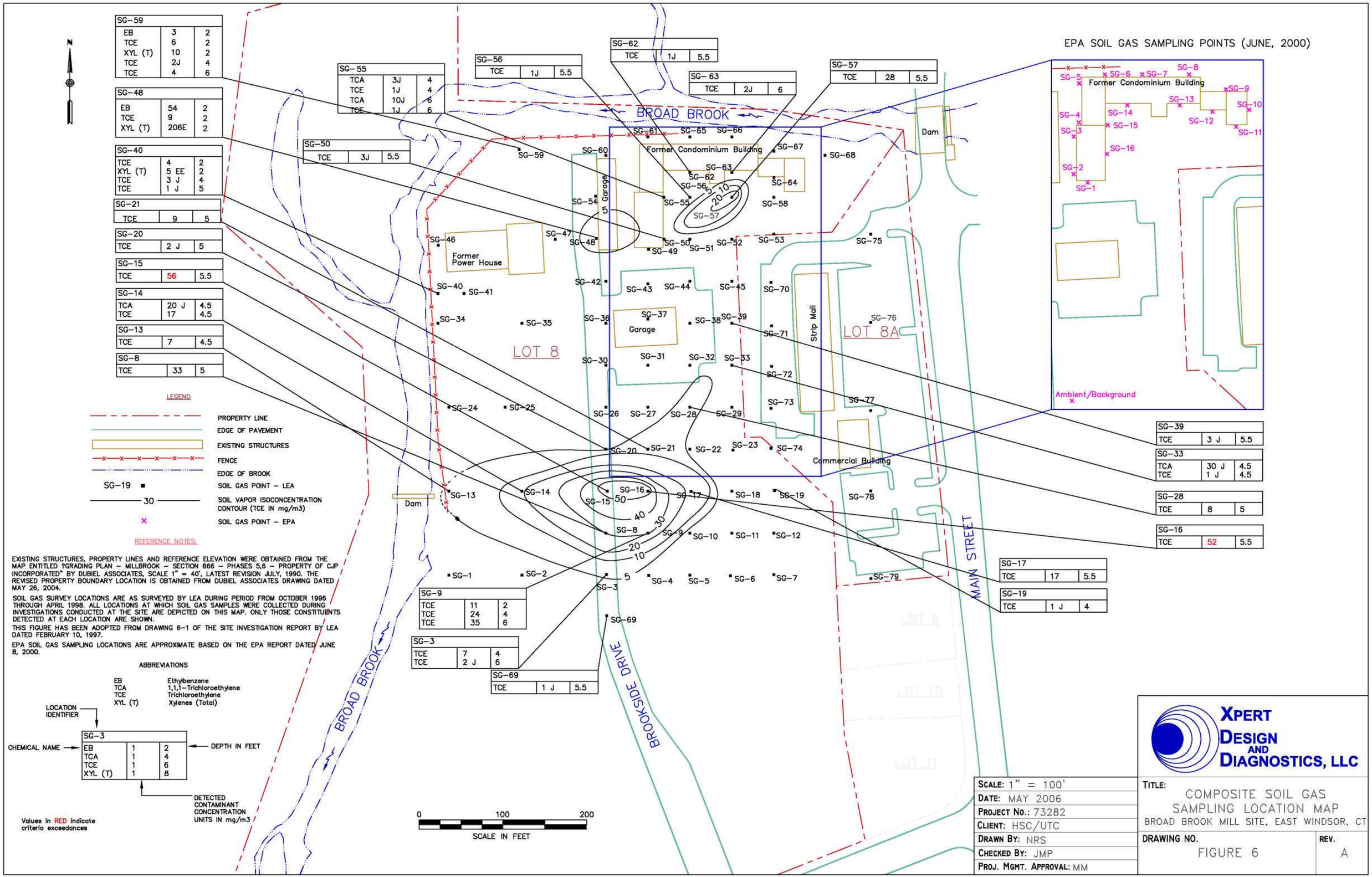
GROUNDWATER SAMPLING LOCATIONS ARE AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998 AND BY PUDELER ENGINEERING FROM NOVEMBER 2003 THROUGH MAY 2005. LOCATIONS OF BORINGS PERFORMED BY EMG, HTE, AND THE DEP ARE APPROXIMATE BASED ON AVAILABLE INFORMATION.

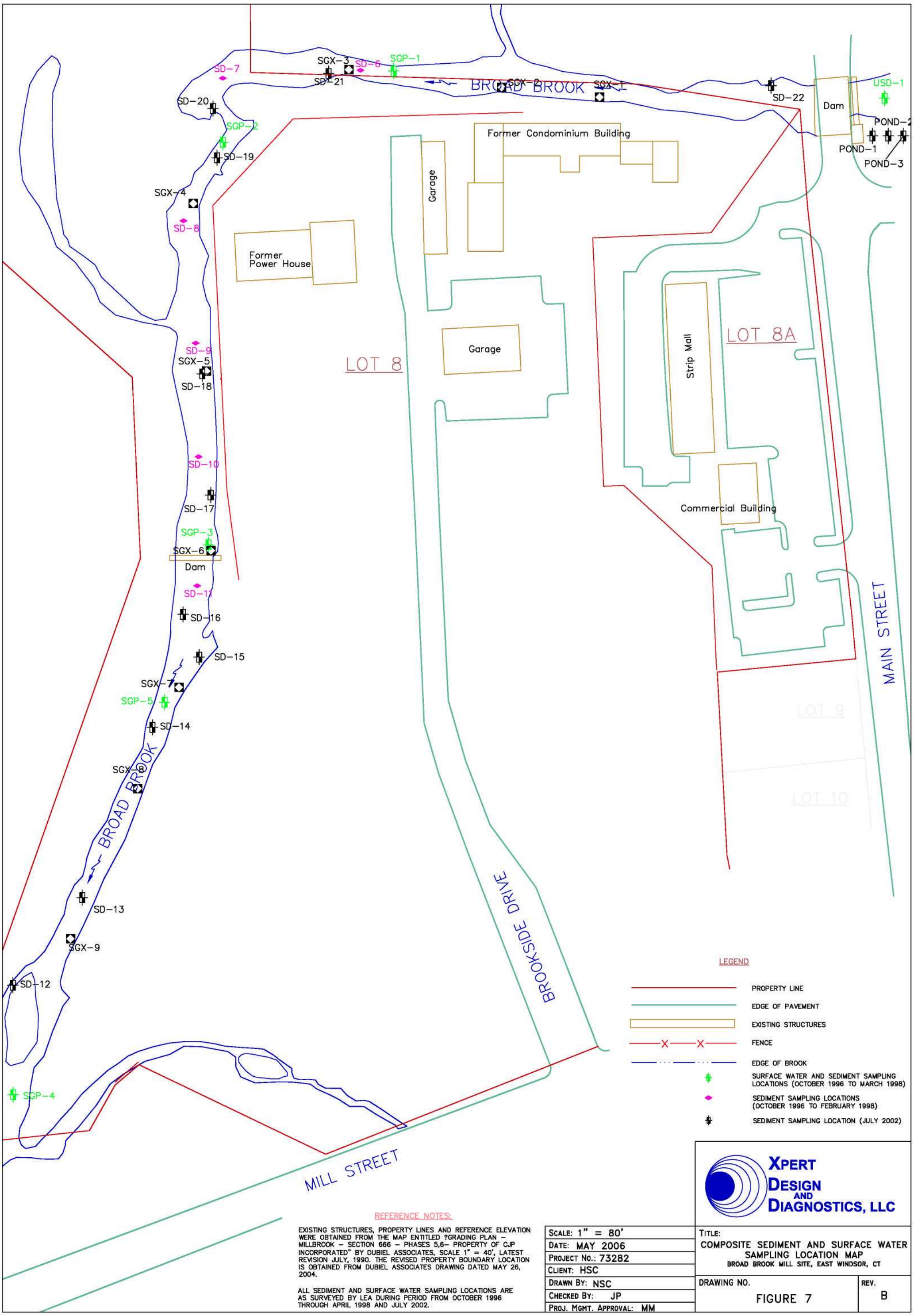
LEGEND

- PROPERTY LINE
- EDGE OF PAVEMENT
- EXISTING STRUCTURES
- FENCE
- EDGE OF BROOK
- APPROXIMATE LIMIT OF EXISTING SOIL PILES
- PCSA-1 — POTENTIAL CONTAMINANT SOURCE AREA
- MONITORING WELL
- GEOPROBE SCREENPOINT SAMPLING LOCATION
- SGX-1 — STREAM GAUGE
- PZ-1 — PIEZOMETER

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1" = 80'	TITLE: COMPOSITE GROUNDWATER SAMPLING LOCATION MAP BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC	
DRAWN BY: NRS	DRAWING NO. FIGURE 5
CHECKED BY: JP	REV. B
PROJ. MGMT. APPROVAL: MM	


EPA SOIL GAS SAMPLING POINTS (JUNE, 2000)
Former Condominium Building
Ambient/Background
BROAD BROOK
Former Condominium Building
Dam
Garage
Former Power House
Garage
LOT 8
LOT 8A
Strip Mall
Commercial Building
Dam
BROOKSIDE DRIVE
MAIN STREET
LOT 9
LOT 10
LOT 11
SG-59
EB 3 2
TCE 6 2
XYL (T) 10 2
TCE 2J 4
TCE 4 6
SG-48
EB 54 2
TCE 9 2
XYL (T) 206E 2
SG-40
TCE 4 2
XYL (T) 5 EE 2
TCE 3 J 4
TCE 1 J 5
SG-21
TCE 9 5
SG-20
TCE 2 J 5
SG-15
TCE 56 5.5
SG-14
TCA 20 J 4.5
TCE 17 4.5
SG-13
TCE 7 4.5
SG-8
TCE 33 5
SG-55
TCA 3J 4
TCE 1J 4
TCA 10J 6
TCE 1J 6
SG-50
TCE 3J 5.5
SG-56
TCE 1J 5.5
SG-62
TCE 1J 5.5
SG-63
TCE 2J 6
SG-57
TCE 28 5.5
SG-39
TCE 3 J 5.5
SG-33
TCA 30 J 4.5
TCE 1 J 4.5
SG-28
TCE 8 5
SG-16
TCE 52 5.5
SG-17
TCE 17 5.5
SG-19
TCE 1 J 4
SG-9
TCE 11 2
TCE 24 4
TCE 35 6
SG-3
TCE 7 4
TCE 2 J 6
SG-69
TCE 1 J 5.5
LEGEND
PROPERTY LINE
EDGE OF PAVEMENT
EXISTING STRUCTURES
FENCE
EDGE OF BROOK
SG-19 SOIL GAS POINT – LEA
30 SOIL VAPOR ISOCONCENTRATION CONTOUR (TCE IN mg/m3)
SOIL GAS POINT – EPA
REFERENCE NOTES:
EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED ?GRADING PLAN – MILLBROOK – SECTION 666 – PHASES 5,6 – PROPERTY OF CJP INCORPORATED" BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990. THE REVISED PROPERTY BOUNDARY LOCATION IS OBTAINED FROM DUBIEL ASSOCIATES DRAWING DATED MAY 26, 2004.
SOIL GAS SURVEY LOCATIONS ARE AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998. ALL LOCATIONS AT WHICH SOIL GAS SAMPLES WERE COLLECTED DURING INVESTIGATIONS CONDUCTED AT THE SITE ARE DEPICTED ON THIS MAP. ONLY THOSE CONSTITUENTS DETECTED AT EACH LOCATION ARE SHOWN.
THIS FIGURE HAS BEEN ADOPTED FROM DRAWING 6-1 OF THE SITE INVESTIGATION REPORT BY LEA DATED FEBRUARY 10, 1997.
EPA SOIL GAS SAMPLING LOCATIONS ARE APPROXIMATE BASED ON THE EPA REPORT DATED JUNE 8, 2000.
ABBREVIATIONS
EB Ethylbenzene
TCA 1,1,1-Trichloroethylene
TCE Trichloroethylene
XYL (T) Xylenes (Total)
LOCATION IDENTIFIER
SG-3
CHEMICAL NAME
EB 1 2
TCA 1 4
TCE 1 6
XYL (T) 1 8
DEPTH IN FEET
DETECTED CONTAMINANT CONCENTRATION UNITS IN mg/m3
Values in RED indicate criteria exceedances
0 100 200
SCALE IN FEET
XPERT DESIGN AND DIAGNOSTICS, LLC
SCALE: 1" = 100'
DATE: MAY 2006
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: NRS
CHECKED BY: JMP
PROJ. MGMT. APPROVAL: MM
TITLE:
COMPOSITE SOIL GAS SAMPLING LOCATION MAP
BROAD BROOK MILL SITE, EAST WINDSOR, CT
DRAWING NO.
FIGURE 6
REV.
A



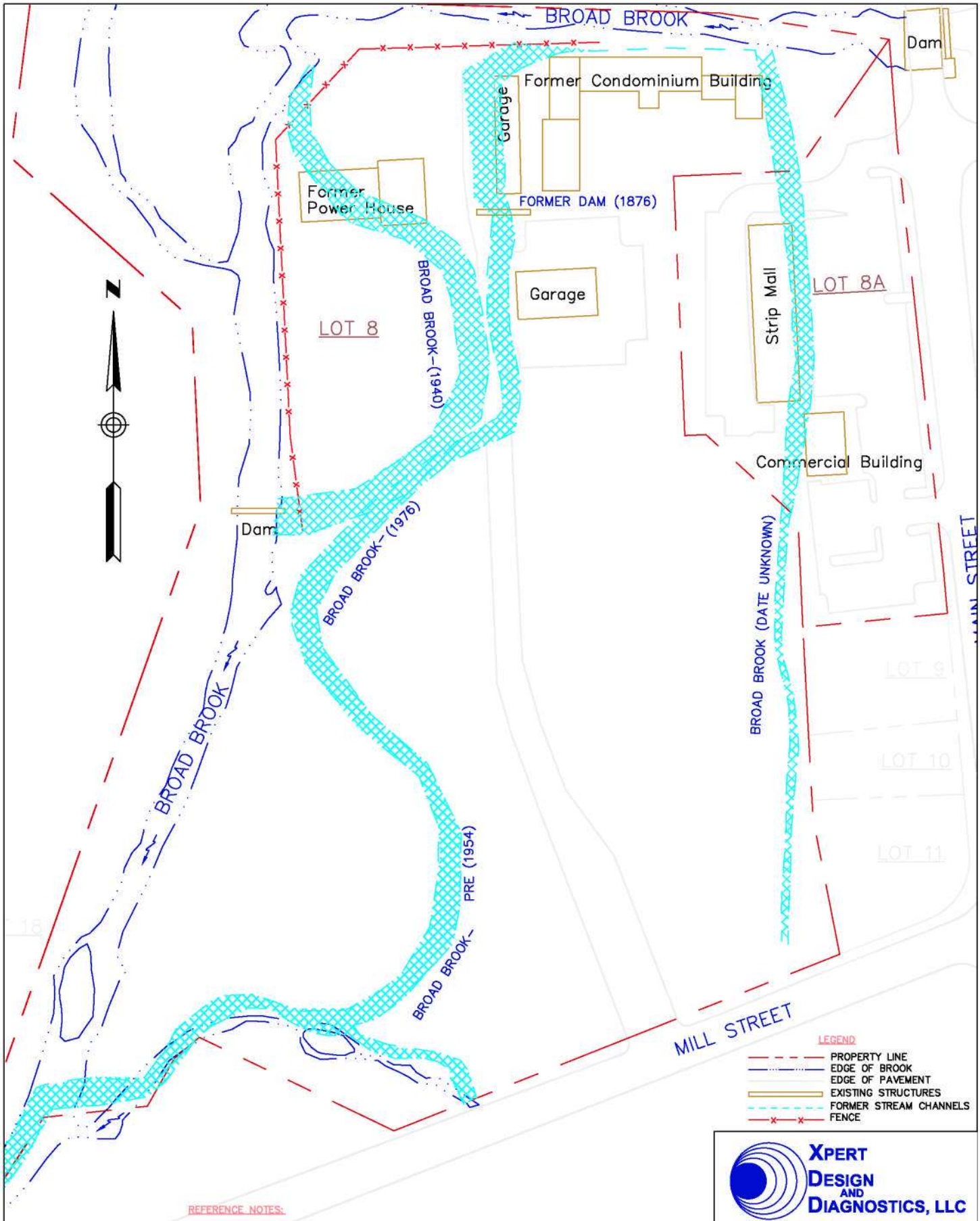
XPERT DESIGN AND DIAGNOSTICS, LLC

REFERENCE NOTES:

EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED ?GRADING PLAN – MILLBROOK – SECTION 666 – PHASES 5,6– PROPERTY OF CJP INCORPORATED" BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990. THE REVISED PROPERTY BOUNDARY LOCATION IS OBTAINED FROM DUBIEL ASSOCIATES DRAWING DATED MAY 26, 2004.

ALL SEDIMENT AND SURFACE WATER SAMPLING LOCATIONS ARE AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998 AND JULY 2002.

SCALE: 1" = 80'	TITLE: COMPOSITE SEDIMENT AND SURFACE WATER SAMPLING LOCATION MAP BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC	
DRAWN BY: NSC	DRAWING NO. FIGURE 7
CHECKED BY: JP	REV. B
PROJ. MGMT. APPROVAL: MM	



REFERENCE NOTES:

FOR ALL MONITORING WELLS WERE OBTAINED FROM THE MAP ENTITLED ?GRADING PLAN – MILLBROOK – SECTION 666 – PHASES 5,6 – PROPERTY OF CJP INCORPORATED BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION 7, 1990. THE REVISED PROPERTY BOUNDARY LOCATION IS OBTAINED FROM DUBIEL ASSOCIATES DRAWING DATED MAY 26, 2004.

THIS FIGURE HAS BEEN ADOPTED FROM DRAWING 2–2 OF THE SITE INVESTIGATION REPORT BY LEA DATED FEBRUARY 10, 1997.

SCALE: 1" = 120'	
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: NRS	
CHECKED BY: JMP	
PROJ. MGMT. APPROVAL: MM	

XPERT DESIGN AND DIAGNOSTICS, LLC

TITLE: APPROXIMATE FORMER STREAM CHANNEL

BROAD BROOK MILL SITE, EAST WINDSOR, CT

DRAWING NO. FIGURE 8

REV. A

B04	10/20/1995
Constituent	10' – 12'
VOCs	ND
Depth of Boring	12.00'

B11	10/21/1995
Constituent	4' – 6'
VOCs	ND
Depth of Boring	10.00'

B12	10/21/1995
Constituent	10' – 12'
VOCs	–
PCE	6
Depth of Boring	12.00'

CB1	10/27/1994
Constituent	
VOCs	–
ACT	830
MEK	74
TCE	12

CB2	10/27/1994
Constituent	
VOCs	–
ACT	460
MEK	40

CB3	10/27/1994
Constituent	
VOCs	–
ACT	780
MEK	77

CB4	10/27/1994
Constituent	
VOCs	–
MEK	44
TCA	16
TCE	5.7

CB5	10/27/1994
Constituent	
VOCs	–
ACT	340
11DCE	9.6
TCA	16
TCE	13

CB6	10/27/1994
Constituent	
VOCs	–
ACT	490
MEK	58

CB7	10/27/1994
Constituent	
VOCs	–
ACT	570
MEK	43
TCA	4.2
TCE	6.1

CB8	10/27/1994
Constituent	
VOCs	–
ACT	480
MEK	74

CB9	10/27/1994
Constituent	
VOCs	–
ACT	1400
BZ	3.2
11DCE	*160*
MEK	110
TL	4.2
TCA	230
XYL(o)	4.7

CB10	10/27/1994
Constituent	
VOCs	–
ACT	610
MEK	32
TCA	6

GP-3	10/29/1996					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'
VOCs (screening)	ND	ND	ND	ND	ND,ND	ND
Depth of Boring	14.00'					
DTGW	~ 10.0'					

GP-4	10/29/1996				
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 9'
VOCs				–	
PCE				11	
TCA				22	
TCE				*460 J11*	
VOCs (screening)	ND	ND	ND	–	ND
TCA (screening)	ND	ND	ND	10 J	ND
TCE (screening)	ND	ND	ND	9 J	ND
Depth of Boring	9.00'				
DTGW	~ 9.5'				

GP-5	10/29/1996			
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'
VOCs (screening)	ND	ND	ND	ND
Depth of Boring	8.00'			
DTGW	~ 9.8'			

GP-6	10/29/1996					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'
VOCs (screening)	ND	ND	ND	ND	ND	ND,ND
Depth of Boring	14.00'					
DTGW	~ 8.1'					

GP-7	10/30/1996					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'
VOCs		ND				
VOCs (screening)	ND	ND	ND	ND	ND	ND,ND
Depth of Boring	12.00'					
DTGW	~ 8.2'					

GP-8	10/30/1996					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'
VOCs (screening)	ND	ND	ND	ND	ND	ND
Depth of Boring	12.00'					
DTGW	~ 8.7'					

HTE-8	08/31/1993
Constituent	4' – 6'
VOCs	ND
Depth of Boring	8.00'

HTE-15	08/31/1993
Constituent	6' – 8'
VOCs	ND
Depth of Boring	8.00'

MW-8	10/18/1996		
Constituent	0' – 2'	2' – 4'	4' – 6'
VOCs (screening)	–	ND	ND
TCE (screening)	6 J	ND	ND
Depth of Boring	8.9'		

MW-9	10/18/1996								
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'	16' – 18'
VOCs (screening)	ND	ND,–	–	–	–,–	–	–	ND	ND,ND
TCA (screening)	ND	ND,ND	ND	ND	60 J,ND	ND	ND	ND	ND,ND
TCE (screening)	ND	ND,60 JM	78	39	58,20 JM	29	3 J	ND	ND,ND
Depth of Boring	18.00'								
DTGW	~ 9.7'								

MW-10	01/03/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs		ND	ND					
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	~ 8.5'							

MW-17D	01/05/1998													
Constituent	0' – 2'	4' – 5.75'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'	16' – 18'	18' – 20'	20' – 22'	22' – 24'	24' – 26'	26' – 28'	28' – 30'
VOCs (screening)	ND,ND	ND	ND	ND	ND	ND,–	ND	–	ND	ND	ND	ND	ND	ND
PCE (screening)	ND,ND	ND	ND	ND	ND	ND,7 J	ND	38	ND	ND	ND	ND	ND	ND
Depth of Boring	37.50'													
DTGW	~ 8.6'													

MW-18D	01/14/1998											
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'	16' – 18'	18' – 20'	20' – 22'	22' – 23.9'
VOCs			ND		ND							
VOCs (screening)	ND,ND	ND	ND	ND	ND,ND	ND	–	ND	ND	ND	ND	ND
TCE (screening)	ND,ND	ND	ND	ND	ND,ND	ND	10 J	ND	ND	ND	ND	ND
Depth of Boring	29.60'											
DTGW	~ 9.7'											

MW-20	01/20/1998							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	12' – 14'	16' – 18'	18' – 20'
VOCs	ND		ND					
VOCs (screening)	ND,ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	25.50'							
DTGW	~ 8.2'							

MW-25	01/14/1998					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 12'	12' – 13'
VOCs (screening)	ND,ND	ND	ND	ND	ND,ND	ND
Depth of Boring	13.00'					
DTGW	~ 6.1'					

MW-26	02/10/1998	
Constituent	0' – 4'	4' – 4.5'
VOCs	ND	
VOCs (screening)	ND,ND	ND,ND
Depth of Boring	5.50'	
DTGW	~ 4.4'	

MW-27D	01/13/1998							
Constituent	0' – 2'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'	16' – 18'	18' – 20'
VOCs			ND		ND				
VOCs (screening)	ND,ND	ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	21.00'								
DTGW	~ 10.0'								

MW-33	03/23/1998							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs (screening)	ND,–	ND	ND	ND	ND	ND	–	
TCE (screening)	ND,15 J	ND	ND	ND	ND	ND	39	15 J
Depth of Boring	16.00'							
DTGW	~ 9.7'							

MW-34	03/23/1998							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs (screening)	–	–	ND	ND	–	–	–,ND	
PCE (screening)	ND	3 J	ND	ND	ND	ND	ND,ND	ND
TCE (screening)	25	54	ND	ND	4 J	5 J	15 J,ND	
Depth of Boring	16.00'							
DTGW	~ 10.6'							

SB-1	01/14/1998						
Constituent	0' – 2'	2' – 4'	4' – 5'	5' – 8'	8' – 10'	10' – 12'	12' – 13.5'
VOCs	ND				ND		
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	13.50'						
DTGW	~ 4.5'						

SB-2	01/23/1998							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs				ND			–	
MEK				ND			49	
VOCs (screening)	ND	–	ND	–	–,ND	ND	ND	ND
PCE (screening)	ND	1 J	ND	ND	1 J,ND	ND	ND	ND
TCE (screening)	ND	1 J	ND	3 J	2 J,ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 9.1'							

SB-3	01/14/1998							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 11'	11' – 12'	12' – 14'	14' – 16'
VOCs	ND		ND					
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 9.4'							

SB-4	01/28/1998					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'
VOCs	ND					ND
VOCs (screening)	–	ND	ND	ND	ND	ND
TCE (screening)	9 J	ND	ND	ND	ND	ND
Depth of Boring	12.00'					
DTGW	~ 8.7'					

SB-5	01/28/1998				
Constituent	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 11.5'
VOCs	–		ND		
TCA	89		ND		
TCE	*500 J11*		ND		
VOCs (screening)	–	–	–	–	ND
TCE (screening)	*389*	*215*	27 E	25 E	ND
Depth of Boring	11.50'				
DTGW	~ 9.4'				

SB-6	01/28/1998							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs	ND		–					
TCE	ND		6.4					
VOCs (screening)	ND	ND	–	ND	ND	ND	ND	ND
TCE (screening)	ND	ND	10 J	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 8.3'							

SB-7	02/04/1998				
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'
VOCs	ND			ND	
VOCs (screening)	ND	ND	ND	ND	ND
Depth of Boring	10.00'				
DTGW	~ 8.5'				

SB-8	01/27/1998						
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10.9'	10.9' – 12'	12' – 12.5'
VOCs		ND					–
TCE		ND					6.5
VOCs (screening)	ND	ND	ND	ND	ND	ND	–
TCE (screening)	ND	ND	ND	ND	ND	ND	9 J
Depth of Boring	12.50'						
DTGW	~ 9.8'						

SB-9	01/28/1998						
Constituent	0' – 2'	2' – 4'	4' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs			–		ND		
TCE			26 I		ND		
VOCs (screening)	ND	ND,ND	–	ND	ND	ND	ND
TCE (screening)	ND	ND,ND	20 J	ND	ND	ND	ND
Depth of Boring	16.00'						
DTGW	~ 10.0'						

SB-10	01/30/1998							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs		ND	ND					
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	14.00'							
DTGW	~ 9.9'							

SB-11	01/30/1998						
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 13'
VOCs	ND		ND				
VOCs (screening)	ND	ND	ND	ND	ND	ND,ND	ND
Depth of Boring	12.00'						
DTGW	~ 8.6'						

SB-12	10/30/1997	
Constituent	0' – 2'	2' – 4'
VOCs	–	
XYL	11	
VOCs (screening)	–	ND,ND
EBZ (screening)	99	ND,ND
XYL(o) (screening)	283	ND,ND
XYL(m,p) (screening)	246	ND,ND
Depth of Boring	4.50'	
DTGW	~ 13.0'	

SB-13	01/28/1998						
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 12'	12' – 14'	14' – 16'
VOCs		ND			–	–	
ACT		ND			1100 J11	ND	
MEK		ND			250	ND	
TCE		ND			ND	26	
VOCs (screening)	ND	ND	–	–	–	–	–
TCE (screening)	ND	ND	20 J	33	43	97	20 J
Depth of Boring	16.00'						
DTGW	~ 10.2'						

SB-14	10/30/1997	
Constituent	0' – 2'	2' – 3.8'
VOCs (screening)	ND	ND
Depth of Boring	3.80'	
DTGW	~ 13.5'	

SB-15	01/27/1998							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 11.0'	11.0' – 12'	12' – 12.8'	12.8' – 16'
VOCs		ND			ND	–		
TCE		ND			ND	12		
VOCs (screening)	ND	ND	ND	ND	ND	–	–	ND
TCE (screening)	ND	ND	ND	ND	ND	37	29	ND
Depth of Boring	16.00'							
DTGW	~ 9.4'							

SB-16	01/27/1998							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs		ND			ND			
VOCs (screening)	ND	–	–	ND	ND	ND	ND	ND
TCE (screening)	ND	10 J	3 J	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 9.1'							

SB-17	01/27/1998				
Constituent	0' – 2'	2' – 4'	4' – 8'	12' – 14'	14' – 16'
VOCs		ND		–	
CDIS		ND		24	
11DCA		ND		15	
11DCE		ND		110	
CDCE		ND		15	
PCE		ND		65	
TCA		ND		480 J11	
TCE		ND		100	
VOCs (screening)	ND	–	ND	–	–
PCE (screening)	ND	ND	ND	53	10 J
TCE (screening)	ND	2 J	ND	105	44
Depth of Boring	16.00'				
DTGW	~ 7.8'				

SB-18	10/30/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs						–		
TCA						*13000*		
VOCs (screening)	ND	ND	–	–	–	–	ND	ND
PCE (screening)	ND	ND	ND	ND	ND	21 E	ND	ND
TCA (screening)	ND	ND	ND	562 E	1500	3200	ND	ND
TCE (screening)	ND	ND	3 J	2 J	10 J	40 E	ND	ND
Depth of Boring	16.00'							
DTGW	~ 10.2'							

SB-19	10/31/1997					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'
VOCs			ND			
VOCs (screening)	ND	ND	–	ND	ND	ND
TCE (screening)	ND	ND	22 E	ND	ND	ND
Depth of Boring	12.00'					
DTGW	~ 14.3'					

SB-20	01/26/1998				
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 12'
VOCs				–	–
TCE				*4900*	11
VOCs (screening)	–	ND,–	ND	–	–
TCE (screening)	2 J	ND,3 J	ND	*221*	21 E
Depth of Boring	16.00'				
DTGW	~ 10.0'				

SB-23	10/31/1997						
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'
VOCs		–			–		
PCE		ND			*120*		
TCA		6.4			110		
TCE		28			*120*		
VOCs (screening)	ND	–	–	–	–	–	–,–
PCE (screening)	ND	ND	20 E	59 E	20 J	51 E	25 E,19 E
TCE (screening)	ND	76 E	32 E	20 J	26 E	ND	22 E,23 E
Depth of Boring	14.00'						
DTGW	~ 11.5'						

SB-25	01/21/1998							
Constituent	0' – 2'	2' – 4'	4' – 7.5'	8' – 12'	12' – 14'	14' – 16'		
VOCs	ND	–	ND					
TCA	ND	260 J11	ND					
VOCs (screening)	ND	–,ND	–	–	ND	ND		
TCE (screening)	ND	5 J,ND	43	23 E	ND	ND		
Depth of Boring	16.00'							
DTGW	~ 9.1'							

SB-26	01/23/1998							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'		14' – 16'
VOCs			–		ND			
TCE			65		ND			
VOCs (screening)	–	ND	–	–	–	ND	ND	–
BZ (screening)	ND	ND	ND	ND	3 J	ND	ND	ND
PCE (screening)	ND	ND	ND	2 J	ND	ND	ND	ND
TCE (screening)	3 J	ND	71	39 E	10 J	ND	ND	5 J
Depth of Boring	16.00'							
DTGW	~ 8.5'							

SB-27	01/21/1998					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 12'	12' – 16'
VOCs			ND	ND	ND	ND
VOCs (screening)	ND	ND	ND	ND	–	
PCE (screening)	ND	ND	ND	ND	7 J	
TCE (screening)	ND	ND	ND	ND	10 J	
Depth of Boring	16.00'					
DTGW	~ 10.0'					

SB-28	03/24/1998				
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'
VOCs (screening)	ND	ND	ND	ND	ND
Depth of Boring	10.00'				
DTGW	~ 9.1'				

SB-29	03/24/1998				
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'
VOCs (screening)	ND	ND	ND	ND	ND
Depth of Boring	10.00'				
DTGW	~ 8.7'				

SB-30	03/24/1998						
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 16'
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'						
DTGW	~ 8.6'						

SB-31	03/24/1998					
Constituent	0' – 4'	4' – 6'	6' – 8.0'	8.0' – 10'	10' – 12'	12' – 14'
VOCs		–				ND
TCE		8.7				ND
VOCs (screening)	ND	–	–	–	–	ND
TCE (screening)	ND	9 J	4 J	6 J	5 J	ND
Depth of Boring	14.00'					
DTGW	~ 8.5'					

SB-32	03/24/1998				
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 11.75'
VOCs (screening)	–	–	–	–	ND
EBZ (screening)	ND	ND	ND	3 J	ND
TCE (screening)	12 J	12 J	3 J	ND	ND
Depth of Boring	11.75'				
DTGW	~ 8.8'				

SB-33	03/24/1998				
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'
VOCs		ND		ND	
VOCs (screening)	ND	ND	ND	ND	ND
Depth of Boring	12.00'				
DTGW	~ 9.9'				

SB-34	03/24/1998				
Constituent	0' – 2'	2' – 4'	4' – 8'	8' – 10'	10' – 12'
VOCs			–		
TCE			50		
VOCs (screening)	–	–	–	–	–
TCE (screening)	34	47	83	26	20 E
Depth of Boring	12.00'				
DTGW	~ 7.8'				

SB-35	03/24/1998			
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'
VOCs (screening)	ND	ND	ND	–
TCE (screening)	ND	ND	ND	11 J
Depth of Boring	8.00'			
DTGW	~ 6.0'			

SB-36	03/24/1998	
Constituent	0' – 2'	2' – 4'
VOCs (screening)	ND	ND
Depth of Boring	4.00'	
DTGW	~ 5.7'	

SB-37	03/24/1998		
Constituent	0' – 2'	2' – 4'	4' – 6'
VOCs (screening)	ND	–	–
PCE (screening)	ND	ND	12 E
TCE (screening)	ND	30	*160*
Depth of Boring	8.00'		
DTGW	~ 8.3'		

SB-38	03/23/1998			
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'
VOCs (screening)	ND	ND	ND	ND
Depth of Boring	8.00'			
DTGW	~ 8.5'			

SB-39	03/24/1998	
Constituent	0' – 2'	2' – 4'
VOCs (screening)	ND	ND
Depth of Boring	4.00'	
DTGW	~ 12.5'	

SB-40	03/24/1998					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'
VOCs				ND		ND
VOCs (screening)	ND	–	ND	ND	ND	ND
TCE (screening)	ND	8 J	ND	ND	ND	ND
Depth of Boring	12.00'					
DTGW	~ 14.5'					

SB-41	03/25/1998			
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'
VOCs (screening)	ND	ND	ND	ND
Depth of Boring	8.00'			
DTGW	~ 4.2'			

SB1-1	12/17/1996							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs			ND				ND	
VOCs (screening)	ND	ND	–	–	ND	ND	ND	ND
PCE (screening)	ND	ND	ND	22 E	ND	ND	ND	ND
TCE (screening)	ND	ND	*115*	10 J	ND	ND	ND	ND
XYL (screening)	ND	ND	ND	98	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 8.5'							

SB1-2	12/18/1996							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs			ND				ND	
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND	–
TCE (screening)	ND	ND	ND	ND	ND	ND	ND	30 E
Depth of Boring	16.00'							
DTGW	~ 6.5'							

SB1-3	12/18/1996				
Constituent	0' – 2'	4' – 6'	6' – 8'	8' – 10'	10' – 11.9'
VOCs		–			–
ACT		ND			230
2DCB		ND			11
3DCB		ND			15
4DCB		ND			8.1
MEK		ND			36
TCE		14			ND
VOCs (screening)	–	–	–	–	–
EBZ (screening)	ND	ND	4 J	ND	ND
TCE (screening)	20 J	20 J	ND	8 J	ND
XYL(o) (screening)	ND	77	ND	ND	20 J
XYL(m,p) (screening)	ND	9 J	ND	ND	ND
Depth of Boring	11.90'				
DTGW	~ 8.4'				

SB1-4	12/19/1996					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12.3'
VOCs			ND			ND
VOCs (screening)	ND	–	ND	ND	ND	ND
TCE (screening)	ND	52	ND	ND	ND	ND
Depth of Boring	12.30'					
DTGW	~ 9.0'					

SB1-5	12/19/1996							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs			ND				ND	
VOCs (screening)	ND	ND	ND	ND	ND	–	ND	ND
TCE (screening)	ND	ND	ND	ND	ND	7 J	ND	ND
Depth of Boring	16.00'							
DTGW	~ 8.0'							

SB1-6	12/22/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs			ND				ND	
VOCs (screening)	–	–	–	–	–	–	–	–
EBZ (screening)	ND	ND	ND	726	528	50 E	ND	ND
TCE (screening)	57 B	74 B	54 B	30 B	29 B	46 B	40 B	22 E B
Depth of Boring	16.00'							
DTGW	~ 6.8'							

SB1-7	12/22/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs			ND			ND		
VOCs (screening)	–	–	–	–	–,–	–	–	–
EBZ (screening)	ND	ND	ND	96 E	332,233	45 E	ND	ND
TCE (screening)	44 B	99 B	32 B	22 E B	32 B,21 E B	20 J B	10 J B	50 B
XYL(o) (screening)	ND	ND	ND	126	218,184	57	ND	ND
Depth of Boring	16.00'							
DTGW	~ 6.1'							

SB1-8	12/22/1997						
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 12'	12' – 14'	14' – 16'
VOCs			–	–		–	
11DCA			ND	ND		6.5	
MEK			ND	73		ND	
TCA			10	ND		ND	
TCE			65	ND		36	
VOCs (screening)	–	–	–	–	–	–	–
EBZ (screening)	ND	ND	970 E	740 E	9 J	ND	ND
PCE (screening)	ND	ND	*120*	170	ND	ND	ND
TL (screening)	ND	ND	29 E	26 E	ND	ND	ND
TCE (screening)	32 E B	*150 B*	50 B	35 B	110 B	62 B	10 J B
Depth of Boring	16.00'						
DTGW	~ 6.1'						

SB1-9	12/29/1997					
Constituent	0' – 2'	2' – 4'	4' – 6'	8' – 12'	12' – 14'	14' – 16'
VOCs				ND		
VOCs (screening)	ND	–	ND	–	ND	ND
TCE (screening)	ND	20 J B	ND	28 B	ND	ND
Depth of Boring	16.00'					
DTGW	~ 6.6'					

SB1-10	12/29/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs								–
TCE								21
VOCs (screening)	ND	ND	ND	ND	–	ND	ND	–
TCE (screening)	ND	ND	ND	ND	10 J B	ND	ND	82 B
Depth of Boring	16.00'							
DTGW	~ 6.8'							

SB1-11	12/30/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 7.0'							

SB1-12	03/24/1998					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'
VOCs		–		–		
TCA		44		ND		
TCE		ND		6.8		
VOCs (screening)	ND	ND	–	–	–	–,–
PCE (screening)	ND	ND	ND	8 J	2 J	4 J,4 J
TCE (screening)	ND	ND	6 J	17 J	3 J	7 J,8 J
Depth of Boring	12.00'					
DTGW	~ 6.5'					

SB10-1	01/03/1997			
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 7.5'
VOCs		ND		ND
VOCs (screening)	–	–	ND	ND
TCE (screening)	7 J	20 J	ND	ND
Depth of Boring	7.50'			
DTGW	~ 9.1'			

SB10-2	01/06/1997			
Constituent	0' – 2'	2' – 4'	6' – 8'	8' – 9.5'
VOCs		ND	ND	
VOCs (screening)	ND	ND	ND,ND	ND
Depth of Boring	9.50'			
DTGW	~ 8.7'			

SB10-3	01/06/1997				
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 9'
VOCs	ND			ND	
VOCs (screening)	ND	ND	ND	ND	ND
Depth of Boring	9.00'				
DTGW	~ 8.8'				

SB10-4	01/02/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs			ND					ND
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 9.3'							

SB10-5	01/06/1997						
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 12.5'
VOCs		–			ND		
TCA		12			ND		
VOCs (screening)	–	–	ND	ND	ND	ND	ND
TCE (screening)	4 J	4 J	ND	ND	ND	ND	ND
Depth of Boring	12.50'						
DTGW	~ 7.9'						

SB10-6	01/03/1997			
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 7'
VOCs	ND		–	
TCA	ND		23	
VOCs (screening)	ND	–	–	ND
TCE (screening)	ND	7 J	5 J	ND
Depth of Boring	7.00'			
DTGW	~ 8.4'			

SB10-7	01/02/1997			
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'
VOCs		–		–
STYR		17		ND
PCE		20		80
TCA		220		75
TCE		ND		6.7
XYL		18		ND
VOCs (screening)	ND	–	–	–
PCE (screening)	ND	20 J	20 J	*141*
TCA (screening)	ND	804	10 J	200 J
TCE (screening)	ND	4 J	7 J	28 E
Depth of Boring	8.00'			
DTGW	~ 7.9'			

SB10-8	01/02/1997		
Sample Date	01/02/1997	01/03/1997	01/03/1997
Constituent	0' – 2'	2' – 4'	4' – 5'
VOCs		ND	ND
VOCs (screening)	–	ND	ND
TCE (screening)	9 J	ND	ND
Depth of Boring	5.00'		
DTGW	~ 6.8'		

SB2-1	12/20/1996						
Constituent	0' – 2'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs	ND	–					
ACT	ND	250					
MEK	ND	20					
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'						
DTGW	~ 8.4'						

SB2-2	12/20/1996							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs		ND	ND					
VOCs (screening)	ND	ND	–	ND	ND	ND	ND	ND
TCE (screening)	ND	ND	10 J	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 8.2'							

SB2-3	12/30/1997						
Constituent	0' – 2'	2' – 4'	4' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs		–		ND			
MEK		34		ND			
VOCs (screening)	ND,ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'						
DTGW	~ 8.2'						

SB2-4	12/30/1997						
Constituent	0' – 2'	2' – 4'	4' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs		ND		ND			
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	18.00'						
DTGW	~ 8.0'						

SB2-5	12/31/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs		ND			ND			
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 7.8'							

SB2-6	12/31/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs		ND			ND			
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 8.1'							

SB4-11	01/05/1998							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs	ND			ND				
VOCs (screening)	–	ND	ND	ND	–	–	–	–
TCE (screening)	8 J	ND	ND	ND	9 J	4 J	58	5 J
Depth of Boring	16.00'							
DTGW	~ 8.4'							

SB4-12	01/20/1998							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs	ND			ND				
VOCs (screening)	ND	ND	ND	ND	ND,ND	ND	–	ND
TCE (screening)	ND	ND	ND	ND	ND,ND	ND	6 J	ND
Depth of Boring	16.00'							
DTGW	~ 8.4'							

SB5-1	12/30/1996							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 14.5'
VOCs				ND				
VOCs (screening)	ND	–	ND	ND	ND	ND	ND	ND
TCE (screening)	ND	4 J	ND	ND	ND	ND	ND	ND
Depth of Boring	14.50'							
DTGW	~ 10.0'							

SB5-2	12/30/1996							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs						–		
ACT						2400 J11		
CDCE						33		
MEK						350		
VOCs (screening)	ND	ND	ND	ND	ND	–	–	–
PCE (screening)			ND	ND	ND	20 J	ND	ND
TCE (screening)			ND	ND	ND	42 E	20 J	480 E
Depth of Boring	16.00'							
DTGW	~ 9.7'							

SB5-3	01/06/1997					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'
VOCs		ND		–		
TCA		ND		15		
TCE		ND		*120*		
VOCs (screening)	–	ND	ND	–	–	–
TCE (screening)	4 J	ND	ND	*104*	50	6 J
Depth of Boring	12.00'					
DTGW	~ 10.1'					

SB5-4	01/06/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs				ND		ND		
VOCs (screening)	ND	ND	–	–	ND	ND	ND	ND
TCE (screening)	ND	ND	4 J	8 J	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 9.5'							

SB5-5	01/03/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs					ND			–
TCA					ND			13
VOCs (screening)	–,–	–	ND	ND	ND	ND	ND	ND
TCE (screening)	9 J,6 J	20 J	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 10.0'							

SB5-6	12/30/1996				
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'
VOCs				ND	
VOCs (screening)	–	–	ND	ND	–
TCE (screening)	6 J	4 J	ND	ND	10 J
Depth of Boring	10.00'				
DTGW	~ 9.7'				

SB6-1	01/14/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs			ND		–	–		ND
EBZ			ND		ND	300		ND
TL			ND		ND	240		ND
TCE			ND		36	ND		ND
XYL			ND		ND	560		ND
VOCs (screening)	ND,ND	ND	–	–	–	–	–	ND
BZ (screening)	ND,ND	ND	ND	ND	ND	452	319	ND
EBZ (screening)	ND,ND	ND	ND	ND	412	2770 E	ND	
PCE (screening)	ND,ND	ND	ND	ND	*168 E*			ND
TL (screening)	ND,ND	ND	ND	ND	ND	1530 E	1200	ND
TCE (screening)	ND,ND	ND	6 J	4 J	*187 E*			ND
XYL(o) (screening)	ND				ND	4470	ND	
XYL(m,p) (screening)	ND				ND	1420 E	1460	
Depth of Boring	16.00'							
DTGW	~ 9.5'							

SB6-2	01/13/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs		–				ND		
PCE		15				ND		
TCE		53				ND		
VOCs (screening)	–	–	–	ND	ND	ND	ND	ND
TCE (screening)	20 J	20 J	8 J	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 9.1'							

SB6-3	01/14/1997					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'
VOCs		–		ND		
STYR		18		ND		
TCA		32		ND		
XYL		80		ND		
VOCs (screening)	ND,–		ND	ND	ND	ND
TCE (screening)	ND,20 J	8 J	ND	ND	ND	ND
Depth of Boring	12.00'					
DTGW	~ 9.7'					

SB6-4	01/14/1997						
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 13.5'
VOCs			ND	–			
TCE			ND	15			
VOCs (screening)	ND	–	–	–	ND	ND	ND
TCE (screening)	ND	10 J	20 J	8 J	ND	ND	ND
Depth of Boring	14.00'						
DTGW	~ 9.9'						

SB6-5	01/13/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs		–			–			
TCA		14			15			
VOCs (screening)	ND,ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 9.6'							

SBA-5	01/20/1998							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs		ND			ND			
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 9.0'							

SBMW-15-1	12/30/1997				
Constituent	0' – 2'	2' – 4'	6' – 8'	8' – 9.5'	10.0' – 11.5'
VOCs (screening)	ND	ND	ND	ND	ND
Depth of Boring	12.50'				
DTGW	~ 11.6'				

SBMW-15-2	01/02/1998					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 11'
VOCs (screening)	ND	ND	ND	ND,ND	ND	ND
Depth of Boring	11.00'					
DTGW	~ 6.0'					

SBMW-16-1	01/02/1998		
Constituent	4' – 6'	6' – 8'	8' – 10'
VOCs (screening)	–	ND	ND
TCE (screening)	20 J	ND	ND
Depth of Boring	10.00'		
DTGW	~ 8.5'		

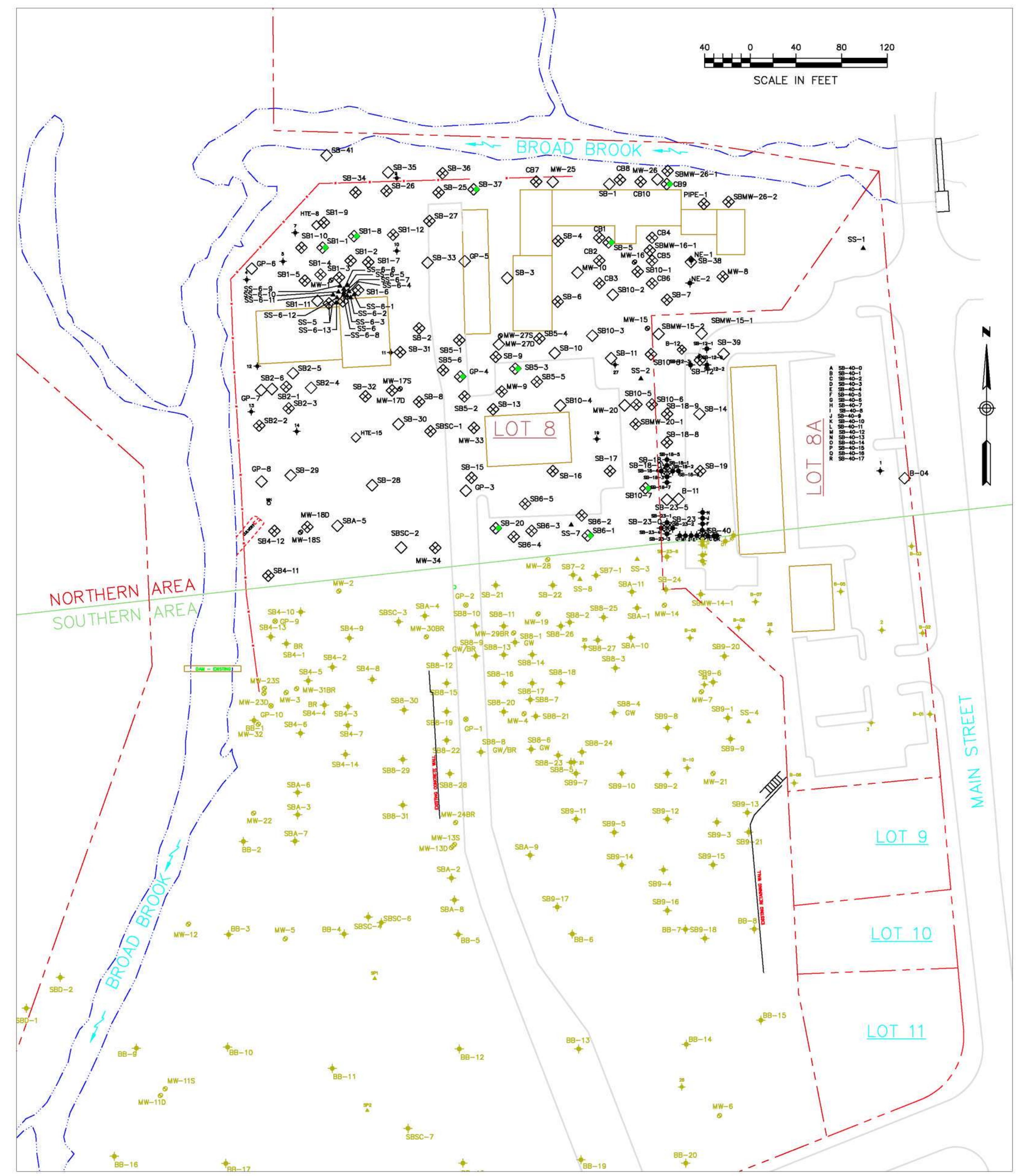
SBMW-20-1	01/06/1998	
Constituent	0' – .9'	2' – 4'
VOCs (screening)	ND	–
TCE (screening)	ND	20 J
Depth of Boring	8.50'	
DTGW	~ 7.8'	

SBMW-26-1	01/14/1998		
Constituent	0' – 2'	2' – 4'	4' – 5.5'
VOCs		ND	
VOCs (screening)	ND	–	ND
XYL(m,p) (screening)	ND	1 J	ND
Depth of Boring	5.50'		
DTGW	~ 1.1		

SBMW-26-2	02/03/1998	
Constituent	0' – 2'	4' – 5'
VOCs (screening)	ND	ND
Depth of Boring	5.00'	
DTGW	~ 3.5'	

SBSC-1	01/09/1997					
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 11.5'
VOCs			ND		ND	
VOCs (screening)	–	ND	ND	ND	ND	–
TCE (screening)	7 J	ND	ND	ND	ND	4 J
Depth of Boring	11.50'					
DTGW	~ 9.8'					

SBSC-2	01/09/1997							
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'	14' – 16'
VOCs				ND		ND		
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 10.2'							



DATA BLOCK LEGEND

LOCATION IDENTIFIER — SAMPLE DATE — SAMPLE DEPTH

ET-SB-06	11/06/1997		
Constituent	0' – 2'	2' – 4'	4' – 6'
METALs	–		
As	2.4		
Pb	15.8 J		
Physical Analyses			–
TPH			*800*
VOCs			ND
VOCs (screening)	ND	ND	ND
Depth of Boring	10.00'		
DTGW	~ 12.00'		

- BLANK CELL INDICATES NO ANALYSIS CONDUCTED
- "J" IS A CONSTITUENT CONCENTRATION QUALIFIER
- DASH INDICATES DETECT(S) IN CONSTITUENT GROUP
- ITALICIZED AND RED (COLORED DRAWINGS) CONSTITUENT CONCENTRATION INDICATES AN EXCEEDANCES OF A CT RSR CRITERIA.

NOTES:

THE RESPECTIVE UNITS FOR SOILS IN WHICH QUANTIFIABLE CONCENTRATIONS ARE DETECTED ARE AS FOLLOWS: VOCs – MICROGRAMS PER KILOGRAM (ug/kg).

LEGEND

- MONITORING WELL (MW) (NOT ANALYZED)
- MONITORING WELL (MW) (NOT ASSOCIATED W/ AREA)
- SOIL BORING (SB) (NOT ANALYZED)
- SOIL BORING (SB) (NOT ASSOCIATED W/ AREA)
- SAMPLE W/ DETECT BUT NO EXCEEDANCES
- SAMPLE ANALYZED BUT NO DETECTS
- SCREEN POINT (GP) (NOT ANALYZED)
- SCREEN POINT (GP) (NOT ASSOCIATED W/AREA)
- SOIL SAMPLE (SS) (NOT ANALYZED)
- SOIL SAMPLE (SS) (NOT ASSOCIATED W/AREA)

SOIL EXCEEDANCES

RESIDENTIAL DIRECT EXPOSURE CRITERIA (RDEC)
(GAPMC) GA / GAA POLLUTANT MOBILITY CRITERIA
INDUSTRIAL DIRECT EXPOSURE CRITERIA (IDEC)

ABBREVIATIONS

VOCs

ACT	Acetone
BZ	Benzene
CDIS	Carbon disulfide
CBZ	Chlorobenzene
CFM	Chloroform
CEA	Chloroethane
2DCB	1,2-Dichlorobenzene
3DCB	1,3-Dichlorobenzene
4DCB	1,4-Dichlorobenzene
11DCA	1,1-Dichloroethane
12DCA	1,2-Dichloroethane
11DCE	1,1-Dichloroethylene
12DCE	1,2-Dichloroethylene
CDCE	Cis-1,2-Dichloroethylene
TDCE	Trans-1,2-Dichloroethylene
EBZ	Ethylbenzene
MCM	Methyl chloride(Chloromethane)
MC	Methylene chloride
MEK	Methyl ethyl ketone
MTBE	Methyl-tert-butyl ether
PCE	Tetrachloroethylene
1122TTCA	1,1,2,2-Tetrachloroethane
TL	Toluene
TCA	1,1,1-Trichloroethane
112TCA	1,1,2-Trichloroethane
TCE	Trichloroethylene
VC	Vinyl chloride
XYL (o)	Xylenes (ortho-)
XYL (m,p)	Xylenes (meta-, para-)
XYL	Xylenes (Total)

CONSTITUENT CONCENTRATION QUALIFIERS

ND	NONE DETECTED; LESS THAN DETECTION LIMIT
NA	COMPOUND NOT ANALYZED
J	ESTIMATED VALUE. COMPOUND PRESENT AT A CONCENTRATION BELOW THE METHOD DETECTION LIMIT
TB	COMPOUND DETECTED IN TRIP BLANK
EB	COMPOUND DETECTED IN EQUIPMENT BLANK
B	ANALYTE ALSO PRESENT IN LABORATORY METHOD BLANK

REFERENCE NOTES:

EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED "GRADING PLAN" – MILLBROOK – SECTION III – PHASES 5,6 – PROPERTY OF CJP INCORPORATED" BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990.

LOCATIONS OF ALL MONITORING WELLS AND SOIL BORINGS AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998.

LOCATIONS OF SOIL BORINGS PERFORMED BY EMG, HTE, AND THE DEP ARE APPROXIMATE BASED ON AVAILABLE INFORMATION.

NOTES:

1. SAMPLES WERE COLLECTED AT TWO FOOT INTERVALS TO THE BOTTOM OF THE BORING.
2. THE RESULTS FROM ALL ANALYSES CONDUCTED ON SAMPLES FROM A PARTICULAR LOCATION ARE SHOWN ON THE MAP.
3. VOC ANALYSES CONDUCTED BY THE LEA ANALYTICAL LABORATORY IS DENOTED BY THE WORD "SCREENING" FOLLOWING THE TARGET VOC.
4. APPROXIMATE DEPTH TO GROUNDWATER IS GIVEN TO DETERMINE APPLICABILITY TO THE CT RSR POLLUTANT MOBILITY CRITERIA IN A GA AREA, THE APPROXIMATE SEASONAL LOW GROUNDWATER LEVEL IS GIVEN.
5. DUPLICATE SAMPLE DATA ARE SEPARATED BY A COMMA WITHIN THE SAMPLING INTERVAL WHERE THE DUPLICATION OCCURS.
6. FIGURE ADOPTED FROM LEA REPORT FIGURE 7A – VOCs IN SOIL – NORTHERN AREA (887016-1)

SS-5	12/18/1997
Constituent	0.13' – 0.38'
VOCs	–
PCE	8.4
Depth of Boring	0.38'

SS-6	12/18/1997
Constituent	0.13' – 0.38'
VOCs	–
PCE	9.8
Depth of Boring	1.50'

SB-18-0	12/17/2004	
Constituent	0' – 2'	2' – 4'
VOCs	–	–
BZ	ND	0.42 J
TL	ND	1.2 J
EBZ	ND	0.7 J
XYL	ND	3.7
PCE	ND	1.9 J
TCA	0.7 J	2.3
Depth of Boring	8.00'	

SB-18-8	12/17/2004	
Constituent	0' – 2'	2' – 4'
VOCs	–	–
TL	ND	0.71 J
EBZ	ND	0.7 J
XYL (t)	ND	3.7
PCE	1.5 J	2.2
TCE	ND	1.3 J
TCA	0.66 J	2.7
Depth of Boring	9.00'	

SB-18-9	12/18/2004	
Constituent	0' – 2'	8' – 10'
VOCs	–	–
PCE	1.3 J	
TCA	0.54 J	
Depth of Boring	16.00'	

SB-23-0	12/17/2004	
Constituent	0' – 2'	6' – 8'
VOCs	–	ND
Depth of Boring	16.00'	

SB-23-5	12/17/2004	
Constituent	0' – 2'	6' – 8'
VOCs	ND	ND
Depth of Boring	8.00'	

PIPE -1	12/05/2004
Constituent	
	–
VC	33
Depth of Boring	0.25'

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN	TITLE: VOCs IN SOIL – NORTHERN AREA, BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 9A — REV. B
CHECKED BY: JP	
PROJ. MGMT. APPROVAL: MM	

B01	10/20/1995
Constituent	14' - 16'
VOCs	ND
Depth of Boring	16.00'

B02	10/20/1995
Constituent	12' - 14'
VOCs	ND
Depth of Boring	14.00'

B03	10/20/1995
Constituent	4' - 6'
VOCs	ND
Depth of Boring	14.00'

B05	10/20/1995
Constituent	8' - 10'
VOCs	ND
Depth of Boring	10.00'

B06	10/20/1995
Constituent	14' - 16'
VOCs	ND
Depth of Boring	16.00'

B07	10/20/1995
Constituent	4' - 6'
VOCs	ND
Depth of Boring	6.00'

B08	10/20/1995
Constituent	12' - 14'
VOCs	ND
Depth of Boring	14.00'

B09	10/20/1995
Constituent	8' - 10'
VOCs	ND
Depth of Boring	10.00'

B10	10/21/1995
Constituent	4' - 6'
VOCs	–
XYL	5
Depth of Boring	10.00'

BG	10/27/1994
Constituent	
VOCs	–
ACT	1800
MEK	120

GP-1	10/29/1996					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
VOCs		–		ND		
CDCE		8.2				
TCE		120				
VOCs (screening)	ND	–	–	–	–	–
TCE (screening)	ND	175	82	10 J	58	35
Depth of Boring	12.00'					
DTGW	~ 10.0'					

GP-2	10/29/1996					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
VOCs		ND				
VOCs (screening)	–	–	ND	ND	ND	–
PCE (screening)	ND	5 J	ND	ND	ND	ND
TCE (screening)	73	66	ND	ND	ND	5 J
Depth of Boring	12.00'					
DTGW	~ 10.5'					

GP-9	10/30/1996				
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'
VOCs			ND		
VOCs (screening)	ND	–	ND	ND	ND
TCE (screening)	ND	25	ND	ND	ND
Depth of Boring	10.00'				
DTGW	~ 9.0'				

GP-10	10/30/1996					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
VOCs			–			
TCE			57			
VOCs (screening)	–	ND	–	–	–	ND
TCE (screening)	5 J	ND	108	16 J	20 J	ND
Depth of Boring	12.00'					
DTGW	~ 6.1'					

HTE-23	08/31/1993
Constituent	5' - 7'
VOCs	–
TCE	1776
Depth of Boring	7.00'

MW-6	10/17/1996							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15.5'
VOCs (screening)	ND,ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 11.1'							

MW-7	10/17/1996						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
VOCs (screening)	–	–,ND	ND	ND	ND	ND	ND
TCE (screening)	5 J	2 J,ND	ND	ND	ND	ND	ND
Depth of Boring	15.00'						
DTGW	~ 6.2'						

MW-11D	12/30/1996								
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	16' - 18'
VOCs (screening)	–	–	–	–	ND	ND	ND	ND	ND
PCE (screening)	8 J	ND	9 J	ND	ND	ND	ND	ND	ND
TCE (screening)	10 J	8 J	9 J	8 J	ND	ND	ND	ND	ND
Depth of Boring	~ 6.3'								

MW-12	01/09/1998	
Constituent	0' - 2'	10' - 12'
VOCs	–	ND
11DCA	8.7	ND
Depth of Boring	23.00'	
DTGW	~ 8.9'	

MW-13D	01/07/1998													
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	16' - 18'	18' - 20'	20' - 22'	22' - 24'	24' - 26'	26' - 28'
VOCs	–		ND											
TCE	5.5		ND											
VOCs (screening)	–,ND	ND	ND	ND	ND,ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCE (screening)	9 J,ND	ND	ND	ND	ND,ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	36.00'													
DTGW	~ 10.8'													

MW-14	12/31/1997						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
VOCs (screening)	ND,ND	ND	ND	ND	ND	ND	ND
Depth of Boring	15.50'						
DTGW	~ 10.2'						

MW-19	12/24/1997							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs		–						ND
TCE		2100						ND
VOCs (screening)	–,–	–	–	–	–	–	–	–
TCE (screening)	654 B,20 J B	776 E B	301 B	21 E B	47 B	62 B	10 J B	20 J B
Depth of Boring	19.00'							
DTGW	~ 9.3'							

MW-21	01/02/1998	
Constituent	0' - 2'	6' - 8'
VOCs (screening)	ND,ND	ND
Depth of Boring	11.00'	
DTGW	~ 4.8'	

MW-22	01/20/1998						
Constituent	0' - 2'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs (screening)	ND,ND	ND	ND	ND	ND,ND	ND	ND
Depth of Boring	18.40'						
DTGW	~ 9.3'						

MW-23D	01/12/1998									
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	16' - 18'	18' - 20'
VOCs			ND							
VOCs (screening)	ND,ND	ND	–	–	–	ND,ND	ND	–	–	ND
TCE (screening)	ND,ND	ND	106	6 J	46	ND,ND	ND	20 J	20 J	ND
Depth of Boring	24.25'									
DTGW	~ 11.6'									

MW-24BR	02/18/1998				
Constituent	0' - 2'	5' - 7'	10' - 12'	15' - 17'	20' - 22'
VOCs (screening)	–,ND	ND	ND	ND	ND
TCE (screening)	19 E,ND	ND	ND	ND	ND
Depth of Boring	45.60'				
DTGW	~ 6.3'				

MW-28	12/31/1997					
Constituent	0' - 2'	2' - 4'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
VOCs (screening)	ND,ND	ND	–	ND	–	ND
TCE (screening)	ND,ND	ND	27 E	ND	41	ND
Depth of Boring	17.00'					
DTGW	~ 9.9'					

MW-29BR	02/17/1998			
Constituent	0' - 2'	5' - 7'	10' - 12'	15' - 17'
VOCs (screening)	–,–	–	–	–
PCE (screening)	3 J,ND	ND	ND	ND
TCE (screening)	130,1000 E	2300 E	200	1300 E
Depth of Boring	38.50'			
DTGW	~ 8.5'			

MW-30BR	02/19/1998				
Constituent	0' - 2'	5' - 7'	10' - 12'	15' - 17'	20' - 22'
VOCs (screening)	ND,–	ND	–	–	–
TCE (screening)	ND,10 J	ND	38	38	28
Depth of Boring	46.60'				
DTGW	~ 10.5'				

MW-31BR	02/25/1998		
Constituent	5' - 7'	10' - 12'	15' - 17'
VOCs (screening)	–,ND	ND	–
PCE (screening)	4 J,ND	ND	ND
TCE (screening)	37,ND	ND	16 J
Depth of Boring	38.50'		
DTGW	~ 10.9'		

MW-32	03/23/1998						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
VOCs	ND		ND				
VOCs (screening)	ND,–	ND	ND	ND,ND	–	–	–
TCE (screening)	ND,8 J	ND	ND	ND,ND	15 J	9 J	7 J
Depth of Boring	16.00'						
DTGW	~ 9.2'						

SB-21	01/26/1998							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 8.3'	8.3' - 12'	12' - 14'	14' - 16'
VOCs				–			–	
TCE				440 J11			7.9	
VOCs (screening)	–	–	–	–	–	–	–	–
TCE (screening)	31	5 J	7 J	242	159	20 J	52	10 J
Depth of Boring	16.00'							
DTGW	~ 10.2'							

SB-22	01/26/1998						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 12'	12' - 14'	14' - 16'
VOCs		ND		ND			
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'						
DTGW	~ 9.5'						

SB-24	10/31/1997							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs		ND			ND			
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 11.5'							

SB4-1	12/23/1996						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
VOCs	–						ND
TCE	6.3						ND
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	14.00'						
DTGW	~ 9.0'						

SB4-2	12/23/1996						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 13.8'
VOCs		ND	–				
ACT		ND	6600 J11				
11DCE		ND	360				
TCA		ND	80				
TCE		ND	66				
VOCs (screening)	ND	–	–	ND	ND	ND	ND
TCE (screening)	ND	10 J	33 E	ND	ND	ND	ND
Depth of Boring	13.80'						
DTGW	~ 9.6'						

SB4-3	12/20/1996					
Constituent	0' - 2'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 13.9'
VOCs	ND					–
CDIS	ND					17
11DCA	ND					40
11DCE	ND					110
CDCE	ND					10000 J11
TDCE	ND					71
PCE	ND					31
TCA	ND					17
TCE	ND					2500
VC	ND					520
XYL	ND					8.6
VOCs (screening)	–	–	–	–	–	–
PCE (screening)	ND	ND	10 J	20 J	ND	6 J
TCE (screening)	5 J	20 J	269	433	484	1390
Depth of Boring	16.00'					
DTGW	~ 10.8'					

SB4-4	12/26/1996							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs	ND						–	
TCE	ND						70	
VC	ND						50	
VOCs (screening)	–	–	–	–	–	–	–	–
PCE (screening)	ND	ND	ND	7 J	6 J	10 J	ND	ND
TCA (screening)	ND	ND	ND	ND	7 J	ND	ND	ND
TCE (screening)	8 J	10 J	29 E	152	237	555 E	131	148
Depth of Boring	14.00'							
DTGW	~ 10.3'							

SB4-5	12/24/1996						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 12.5'
VOCs	–					ND	
XYL	69					ND	
VOCs (screening)	–	–	–	–	ND	–	–
PCE (screening)	4 J	ND	ND	ND	ND	ND	ND
TCE (screening)	2 J	5 J	9 J	6 J	ND	20 J	1 J
Depth of Boring	16.00'						
DTGW	~ 9.0'						

SB4-6	01/06/1998						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 15.5'
VOCs	ND						–
TCE	ND						14
VOCs (screening)	–	–	–	–	–	–	–
PCE (screening)	9 J	4 J	7 J	4 J	10 J	3 J	ND
TCE (screening)	ND	ND	ND	ND	2 J	10 J	171
Depth of Boring	15.50'						
DTGW	~ 9.4'						

SB4-7	01/06/1998					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 12'	12' - 16'
VOCs				–		ND
CDCE				940		ND
TCE				5300		ND
VOCs (screening)	–	–	–	–	–	–
PCE (screening)	2 J	10 J	10 J	24 E	22 E	10 J
TCE (screening)	ND	84	40	1330 E	1790 E	2030 E
Depth of Boring	16.00'					
DTGW	~ 11.2'					

SB4-8	12/31/1997							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs			–				–	
CFM			5.6				ND	
11DCA			17				ND	
12DCA			9.3				ND	
CDCE			100 J11				19	
EBZ			6.6				ND	
PCE			1300				6.3	
TL			39				ND	
TCA			1100 J11				ND	
112TCA			160 J11				ND	
TCE			6800				3000 J11	
XYL			58				ND	
VOCs (screening)	–	–	–	–	–	–	–	–
EBZ (screening)	ND	ND	ND	ND	ND	ND	33 E	ND
PCE (screening)	68	252	256	32 E	184	347	ND	ND
TL (screening)	ND	37	9 J	12 E	12 E	ND	ND	ND
TCA (screening)	367 E	2950	1620	60 J	855	322 E	ND	ND
TCE (screening)	1520 E	3810 E	3680 E	2500 E	3720 E	4730 E	2050 E	680
Depth of Boring	16.00'							
DTGW	~ 11.0'							

SB4-9	01/05/1998				
Constituent	0' - 2'	2' - 4'	4' - 6'	8' - 10'	10' - 12'
VOCs	ND				ND
VOCs (screening)	ND	ND	ND	ND	ND
Depth of Boring	16.00'				
DTGW	~ 10.0'				

SB4-10	01/05/1998							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'
VOCs	ND				ND			
VOCs (screening)	ND	ND	ND	ND	ND,ND	ND	–	ND
TCE (screening)	ND	ND	ND	ND	ND,ND	ND	7 J	ND
Depth of Boring	15.00'							
DTGW	~ 8.8'							

SB4-13	01/05/1998					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
VOCs	ND					ND
VOCs (screening)	ND	–	–	ND	ND	–
TCE (screening)	ND	10 J	8 J	ND	ND	23 E
Depth of Boring	12.00'					
DTGW	~ 8.4'					

SB4-14	03/25/1998							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs			ND					ND
VOCs (screening)	ND	ND	–	–	–	–	–	–
TCE (screening)	ND	ND	6 J	55	28	4 J	11 J	17 J
Depth of Boring	16.00'							
DTGW	~ 11.3'							

SB7-1	01/15/1997						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
VOCs					–		
EBZ					120		
XYL					130		
VOCs (screening)	ND	ND	–	ND	–	–	–
BZ (screening)	ND	ND	24 E	ND	2 J	32	ND
EBZ (screening)	ND	ND	ND	ND	1010 E	806 E	259
PCE (screening)	ND	ND	ND	ND	142	290	77
TL (screening)	ND	ND	10 J	ND	12 E	127	ND
TCE (screening)	ND	ND	ND	ND	ND	56	ND
XYL(o) (screening)					2710 E	2620 E	1040 E
XYL(m,p) (screening)					265	185	47
Depth of Boring	14.00'						
DTGW	~ 9.5'						

SB7-2	01/15/1997						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 12.5'
VOCs				ND			
VOCs (screening)	–	ND	ND	ND	ND	–	ND
BZ (screening)	ND	ND	ND	ND	ND	6 J	ND
EBZ (screening)	28	ND	ND	ND	ND	ND	ND
Depth of Boring	12.50'						
DTGW	~ 9.7'						

SB8-1	12/31/1996							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 7.9'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs					–		–	–
CDCE					30		ND	ND
TCE					1500 J11		20	51
VOCs (screening)	–	–	–	–	–	–	–	–
PCE (screening)	ND	44 E	ND	ND	ND	ND	ND	ND
TCE (screening)	84	526	748	4870	2880	144	6300	778
Depth of Boring	16.00'							
DTGW	~ 9.5'							

SB8-2	12/27/1996			
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 7'
VOCs	–			ND
CFM	20			ND
11DCA	25			ND
TCA	26			ND
TCE	370 J11			ND
TCFM	14			ND
VOCs (screening)	–	–	ND	ND
TCE (screening)	22 E	8 J	ND	ND
Depth of Boring	7.00'			
DTGW	~ 8.8'			

SB8-3	12/26/1996						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
VOCs					ND		ND
VOCs (screening)	–	–	–	–	ND	ND	ND,–,ND
PCE (screening)	7 J	ND	ND	ND	ND	ND	ND,ND,ND
TCE (screening)	40 E	27 E	76	5 J	ND	ND	ND,4 J,ND
Depth of Boring	14.00'						
DTGW	~ 8.0'						

SB8-4	01/02/1997							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs	–				ND			
TCE	65				ND			
VOCs (screening)	–	–	–	ND	ND	ND	ND	ND
TCE (screening)	33 E	26 E	8 J	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 6.6'							

SB8-5	12/27/1996					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 11.8'
VOCs			ND			ND
VOCs (screening)	–,–	ND	ND	–	–	–
PCE (screening)	ND,ND	ND	ND	38	20 J	7 J
TCE (screening)	20 J,6 J	ND	ND	8 J	3 J	ND
Depth of Boring	11.80'					
DTGW	~ 7.2'					

SB8-6	12/31/1996							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs				ND	ND		ND	
VOCs (screening)	–	–	–	ND	ND	ND	–	–,ND
PCE (screening)	ND	6 J	ND	ND	ND	ND	10 J	7 J,ND
TCE (screening)	9 J	10 J	4 J	ND	ND	ND	3 J	ND,ND
Depth of Boring	16.00'							
DTGW	~ 8.2'							

SB8-7	12/27/1996						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 13.8'
VOCs			–		–		
TCE			860 J11		660 J11		
VOCs (screening)	–	–	–	–	–	–	–
TCE (screening)	182	2260	1330	2940 E	16200 E	1780 E	68
Depth of Boring	13.80'						
DTGW	~ 8.4'						

SB8-8	01/02/1997						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 13.5'
VOCs			ND			ND	
VOCs (screening)	–	ND	ND	ND	ND,ND	ND	ND
TCE (screening)	5 J	ND	ND	ND	ND,ND	ND	ND
Depth of Boring	13.50'						
DTGW	~ 9.7'						

SB8-9	01/02/1997					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 10.5'
VOCs		–			ND	
TCE		140 J11			ND	
VOCs (screening)	–	–	–	–	–	–
TCE (screening)	8 J	330	851	75 E	49 E	35 E
Depth of Boring	10.50'					
DTGW	~ 10.3'					

SB8-10	01/07/1998							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs			–			ND		
TCE			240			ND		
VOCs (screening)	–	–	–	–	–	–	–	–
PCE (screening)	ND	ND	21 E	32 E	ND	ND	ND	ND
TCA (screening)	ND	ND	100 J	ND	ND	ND	ND	ND
TCE (screening)	92	54 E	1650 E	1350 E	25 E	20 J	10 J	20 J
Depth of Boring	16.00'							
DTGW	~ 10.6'							

SB8-11	12/26/1997									
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	16' - 18'	18' - 19.58'
VOCs				–		–				
CFM				58		ND				
CDCE				3800		78				
TDCE				64		5.9				
TCA				54		ND				
TCE				34000 J11		3600				
VOCs (screening)	–	–	–	–	–,–	–	–	–	–	–
TCE (screening)	61 B	53 B	826 E B	5480 E B	123 B,106 B	3780 E B	1920 E B	1820 E B	54 B	35 B
Depth of Boring	19.58'									
DTGW	~ 9.9'									

SB8-12	01/06/1998						
Constituent	0' - 2'	2' - 4'	4' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs				–	–	ND	
EBZ				820	28	ND	
PCE				230 J11	ND	ND	
TCE				270 J11	ND	ND	
XYL				1000	ND	ND	
VOCs (screening)	–	–,–	–			–	ND
EBZ (screening)	ND	ND,ND	ND			105	ND
PCE (screening)	20 J	73,60	60				ND
TCE (screening)	115	542,1070 E	1160 E			520 E	ND
Depth of Boring	16.00'						
DTGW	~ 11.1'						

SB8-13	12/26/1997							
Constituent	0' - 2'	4' - 6'	6' - 8'	8' - 10'	12' - 14'	14' - 16'	16' - 18'	18' - 20'
VOCs	–		ND					
TCE	50		ND					
VOCs (screening)	–	–	–	–	–	–	–	–
TCE (screening)	183 B	164 B	110 B	113 B	92 B	100 B	10 J B	10 J B
Depth of Boring	20.00'							
DTGW	~ 9.6'							

SB8-14	12/29/1997									
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	16' - 18'	18' - 19.2'
VOCs	–				–					
PCE	11				ND					
TCE	15000 J11				6.9					
VOCs (screening)	–	–	–	–	–	–	ND	ND	ND	ND
TCE (screening)	2220 E B	1770 E B	10 J B	180 B	78 B	25 E B	ND	ND	ND	ND
Depth of Boring	19.16'									
DTGW	~ 8.8'									

SB8-15	01/07/1998				
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 11.5'
VOCs			–		ND
CDCE			16		ND
PCE			9.0		ND
TCA			13		ND
TCE			430 J11		ND
VOCs (screening)	–	–	–	–	–
PCE (screening)	ND	ND	10 J	ND	7 J
TCE (screening)	85	154	2100 E	119	328
Depth of Boring	11.50'				
DTGW	~ 10.9'				

SB8-16	12/26/1997									
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	16' - 18'	18' - 19.83'
VOCs		–					ND			
TCE		82					ND			
VOCs (screening)	–	–	–	–	–	–	–	–	–	–
TCE (screening)	55 B	104 B	46 B	23 E B	108 B	5080 E B	4020 E B	36 B	46 B	20 J B
Depth of Boring	19.83'									
DTGW	~ 9.4'									

SB8-17	12/29/1997								
Constituent	0' - 2'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	16' - 18'	18' - 20'
VOCs	–			ND					
PCE	10			ND					
TCE	6400			ND					
VOCs (screening)	–	–	–	–	–	–,ND	–	ND	ND
TCE (screening)	734 E B	10 J B	27 E B	33 E B	49 B	10 J B,ND	108 B	ND	ND
Depth of Boring	20.00'								
DTGW	~ 13.2'								

SB8-18	01/13/1998								
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	16' - 17.5'
VOCs			–			ND			
TCE			160			ND			
VOCs (screening)	–	–	–	–	–	–	–	ND	ND
TCE (screening)	173	308	520	99	10 J	3 J	9 J	ND	ND
Depth of Boring	17.50'								
DTGW	~ 8.0'								

SB8-19	01/07/1998					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 11.5'
VOCs		–		–		ND
TCE		11		37		ND
VOCs (screening)	–	–	–	–,–	–	–
TCE (screening)	21 E	114	297	72,43	50	34
Depth of Boring	11.50'					
DTGW	~ 10.9'					

SB8-20	01/21/1998									
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	16' - 18'	18' - 19.5'
VOCs		–	–	ND						
11DCA		10 I	ND	ND						
CDCE		35 I	9.4	ND						
PCE		130 I	54 I	ND						
TCA		98 I	ND	ND						
TCE		4200 J11I	1600 J11	ND						
VOCs (screening)	–	–	–	–	–	–	–	–	–	–
PCE (screening)	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
TCE (screening)	64	1520 E	200	20 J	120	99	25 E	21 E	10 J	19 E
Depth of Boring	19.50'									
DTGW	~ 9.2'									

SB8-21	12/29/1997							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 14.75'
VOCs	–					ND		
PCE	12			–	–	–	ND	ND
TCE	6700			35 B	107 B	20 J B	ND	ND
VOCs (screening)	–	–	–					
TCE (screening)	2280 E B	61 B	76 B					
Depth of Boring	16.00'							
DTGW	~ 8.2'							

SB8-22	01/07/1998							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs			–		ND			
TCE			15000 J11		ND			
VOCs (screening)	–	ND	–	–	–	–	–	–
TCE (screening)	23 E	ND	330	141	32	35 E	30	19 E
Depth of Boring	16.00'							
DTGW	~ 10.2'							

SB8-23	01/13/1998						
Constituent	0' - 2'	2' - 4'	4' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs			ND		ND		
VOCs (screening)	–	–	–	ND	ND	ND	ND
TCE (screening)	9 J	6 J	10 J	ND	ND	ND	ND
Depth of Boring	16.00'						
DTGW	~ 7.6'						

SB8-24	01/13/1998					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
VOCs	ND				ND	
VOCs (screening)	ND	ND	ND,ND	ND	ND	ND
Depth of Boring	16.00'					
DTGW	7.0					

SB8-25	01/20/1998				
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 11'
VOCs	ND			ND	
VOCs (screening)	ND	ND	ND	ND	ND
Depth of Boring	11.00'				
DTGW	~ 9.2'				

SB8-26	01/20/1998							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs	–				–			
TCE	350 J11				13			
VOCs (screening)	–	–	ND	ND	–	–	–	ND
TCE (screening)	139	60	ND	ND	79	6 J	5 J	ND
Depth of Boring	16.00'							
DTGW	~ 9.0'							

SB8-27	01/26/1998							
Constituent	0' - 1.6'	1.6' - 4.0'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs		–	–		–			
TCA		ND	17		ND			
TCE		51	70		6.9			
VOCs (screening)	–	–	–	–,–	–	–	–	ND
TCE (screening)	29 E	25	293	260,75	182	9 J	72	ND
Depth of Boring	16.00'							
DTGW	~ 8.8'							

SB8-28	03/25/1998							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14.0'	14' - 16'
VOCs			–					ND
TCE			67 I					ND
VOCs (screening)	–	–	–	–	ND	–	–	ND
TCE (screening)	21 E	12 J	25	38	ND	5 J	4 J	ND
Depth of Boring	16.00'							
DTGW	~ 10.2'							

SB8-29	03/25/1998							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs			–	–				–
PCE			ND	ND				220 J11
TCE			35	190 J11				310 J11
VOCs (screening)	ND	–	–	–,–	–	–	–	–
PCE (screening)	ND	ND	ND	ND,ND	ND	ND	1 J	180
TCE (screening)	ND	19 E	120	240,260	23	23	47	310
Depth of Boring	16.00'							
DTGW	~ 11.0'							

SB8-30	03/25/1998			
Constituent	0' - 2'	2' - 4'	4' - 8'	8' - 12'
VOCs		–	–	ND
CDCE		7100	7500	ND
TCA		4300	ND	ND
TCE		5500	20000 J11	ND
VOCs (screening)	–	–	–	–
EBZ (screening)	ND	21 E	40 E	
PCE (screening)	ND	85	110	160
TL (screening)	ND	97	190	
TCE (screening)	11 J	1200 E	3000 E	670 E
XYL(o) (screening)	ND	120	ND	
Depth of Boring	12.00'			
DTGW	~ 12.0'			

SB8-31	03/26/1998							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs			ND	ND				ND
VOCs (screening)	–	ND	ND	ND	ND	ND	ND	–,–
PCE (screening)	4 J	ND	ND	ND	ND	ND	ND	ND,ND
TCE (screening)	ND	ND	ND	ND	ND	ND	ND	6 J,12 J
Depth of Boring	16.00'							
DTGW	~ 10.3'							

SB9-1	01/15/1997		
Constituent	0' - 2'	2' - 4'	6' - 7'
VOCs (screening)	ND	ND	ND
Depth of Boring	7.00'		
DTGW	~ 6.0'		

SB9-2	01/15/1997				
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 9'
VOCs (screening)	ND,ND	ND	ND	ND	ND
Depth of Boring	9.00'				
DTGW	~ 6.3'				

SB9-3	01/14/1997				
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 9'
VOCs		ND			
VOCs (screening)	ND	ND	ND	ND	ND
Depth of Boring	9.00'				
DTGW	~ 5.2'				

SB9-4	01/14/1997					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 11.9'
VOCs (screening)	ND	ND	ND	–,ND	ND	ND
TCE (screening)	ND	ND	ND	20 J,ND	ND	ND
Depth of Boring	11.90'					
DTGW	~ 9.2'					

SB9-5	01/15/1997					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 11.5'
VOCs (screening)	ND	ND	ND	ND	ND	ND
Depth of Boring	11.50'					
DTGW	~ 6.2'					

SB9-6	02/02/1998			
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'
VOCs (screening)	ND	ND	ND	ND
Depth of Boring	8.00'			
DTGW	~ 7.0'			

SB9-7	02/02/1998			
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'
VOCs		ND		ND
VOCs (screening)	ND	ND	ND,ND	ND
Depth of Boring	8.00'			
DTGW	~ 7.0'			

SB9-8	02/02/1998			
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'
VOCs (screening)	ND	ND	ND	ND
Depth of Boring	8.00'			
DTGW	~ 6.8'			

SB9-9	02/02/1998			
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'
VOCs (screening)	ND	ND	ND	ND
Depth of Boring	8.00'			8.00'
DTGW	~ 5.6'			

SB9-10	02/02/1998			
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'
VOCs (screening)	ND	ND	ND	ND
Depth of Boring	8.00'			
DTGW	~ 5.8'			

SB9-11	02/02/1998			
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'
VOCs			ND	
VOCs (screening)	ND	ND	ND	ND
Depth of Boring	8.00'			
DTGW	~ 7.5'			

SB9-12	02/02/1998			
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'
VOCs (screening)	ND	ND	ND	ND
Depth of Boring	8.00'			
DTGW	~ 6.2'			

SB9-13	02/02/1998	
Constituent	0' - 2'	2' - 4'
VOCs (screening)	ND	ND
Depth of Boring	4.00'	
DTGW	~ 5.5'	

SB9-14	02/02/1998			
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'
VOCs				ND
VOCs (screening)	ND	ND	ND	ND
Depth of Boring	8.00'			
DTGW	~ 8.9'			

SB9-15	02/04/1998		
Constituent	0' - 4'	4' - 5.7'	5.7' - 8'
VOCs	ND		ND
VOCs (screening)	ND	ND	ND
Depth of Boring	9.00'		
DTGW	~ 9.0'		

SB9-16	02/02/1998			
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'
VOCs				ND
VOCs (screening)	ND	ND	ND	ND
Depth of Boring	8.00'			
DTGW	~ 11.2'			

SBA-1	01/15/1997			
Constituent	0' - 2'	2' - 3'	4' - 6'	6' - 8'
VOCs	–	ND		
TCA	21	ND		
VOCs (screening)	ND,ND	ND	ND	ND
Depth of Boring	8.00'			
DTGW	~ 9.4'			

SBA-2	01/13/1997					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 11.9'
VOCs		ND	ND			
VOCs (screening)	ND	ND	ND	ND	ND	ND
Depth of Boring	11.90'					
DTGW	~ 10.4'					

SBA-3	01/10/1997						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 12.5'
VOCs		ND				–	
PCE		ND				15	
VOCs (screening)	ND,ND	ND	ND	–	–	ND	ND
PCE (screening)	ND,ND	ND	ND	ND	20 J	ND	ND
TCE (screening)	ND,ND	ND	ND	25 E	3 J	ND	ND
Depth of Boring	12.50'						
DTGW	~ 9.0'						

SBA-4	01/27/1998				
Constituent	0' - 1.7'	1.7' - 4'	4' - 7.5'	8' - 12'	12' - 13'
VOCs	–				ND
PCE	7.4				ND
TCE	56 I				ND
VOCs (screening)	–	–,–	ND	–	–
PCE (screening)	7 J	ND,ND	ND	ND	ND
TCE (screening)	112	59,45	ND	30	24 E
Depth of Boring	13.00'				
DTGW	~ 10.8'				

SBA-6	02/03/1998							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs		–	–		–			
PCE		ND	12		6.9			
TCE		10 I	ND		ND			
VOCs (screening)	ND	ND	–	–	–	–	ND	ND
PCE (screening)	ND	ND	ND	ND	4 J	19 J	ND	ND
TCE (screening)	ND	ND	19 E	28	7 J	25 E	ND	ND
Depth of Boring	16.00'							
DTGW	~ 8.9'							

SBA-7	02/03/1998						
Constituent	0' - 2'	2' - 4'	4' - 6.8'	6.8' - 8'	8' - 10.1'	10.1' - 12'	12' - 15'
VOCs			ND		ND		
VOCs (screening)	ND	ND	ND,ND	ND	ND	ND	ND
Depth of Boring	15.00'						
DTGW	~ 8.7'						

SBA-8	02/03/1998							
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
VOCs		ND		ND				
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'							
DTGW	~ 10.1'							

SBA-9	02/04/1998				
Constituent	0' - 1.5'	1.5' - 4'	4' - 6'	6' - 8'	8' - 12'
VOCs		ND		ND	
VOCs (screening)	ND	ND	ND	ND,ND	ND
Depth of Boring	12.00'				
DTGW	~ 8.9'				

SBA-10	01/30/1998					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
VOCs		ND				
VOCs (screening)	–	ND	ND	ND	ND	ND
TCE (screening)	10 J	ND	ND	ND	ND	ND
Depth of Boring	10.00'					
DTGW	~ 9.1'					

SBA-11	01/30/1998						
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 15.8'
VOCs		ND					
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	12.00'						
DTGW	~ 9.2'						

SBD-1	02/03/1998
Constituent	3' - 3.5'
VOCs	ND
Depth of Boring	3.50'
DTGW	~ 8.3'

SBD-2	02/03/1998
Constituent	2' - 2.5'
VOCs	ND
Depth of Boring	2.50'
DTGW	~ 9.4'

SBMW-14-1	12/30/1997				
Constituent	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 11.25'
VOCs (screening)	ND	ND	ND	ND	ND
Depth of Boring	15.75'				
DTGW	~ 11.2'				

SBSC-3	01/09/1997				
Constituent	0' - 2'	4' - 6'	6' - 8'	8' - 10'	10' - 11'
VOCs				ND	ND
VOCs (screening)	–	–	ND	ND	ND
TCE (screening)	38 E	10 J	ND	ND	ND
Depth of Boring	11.00'				
DTGW	~ 10.5'				

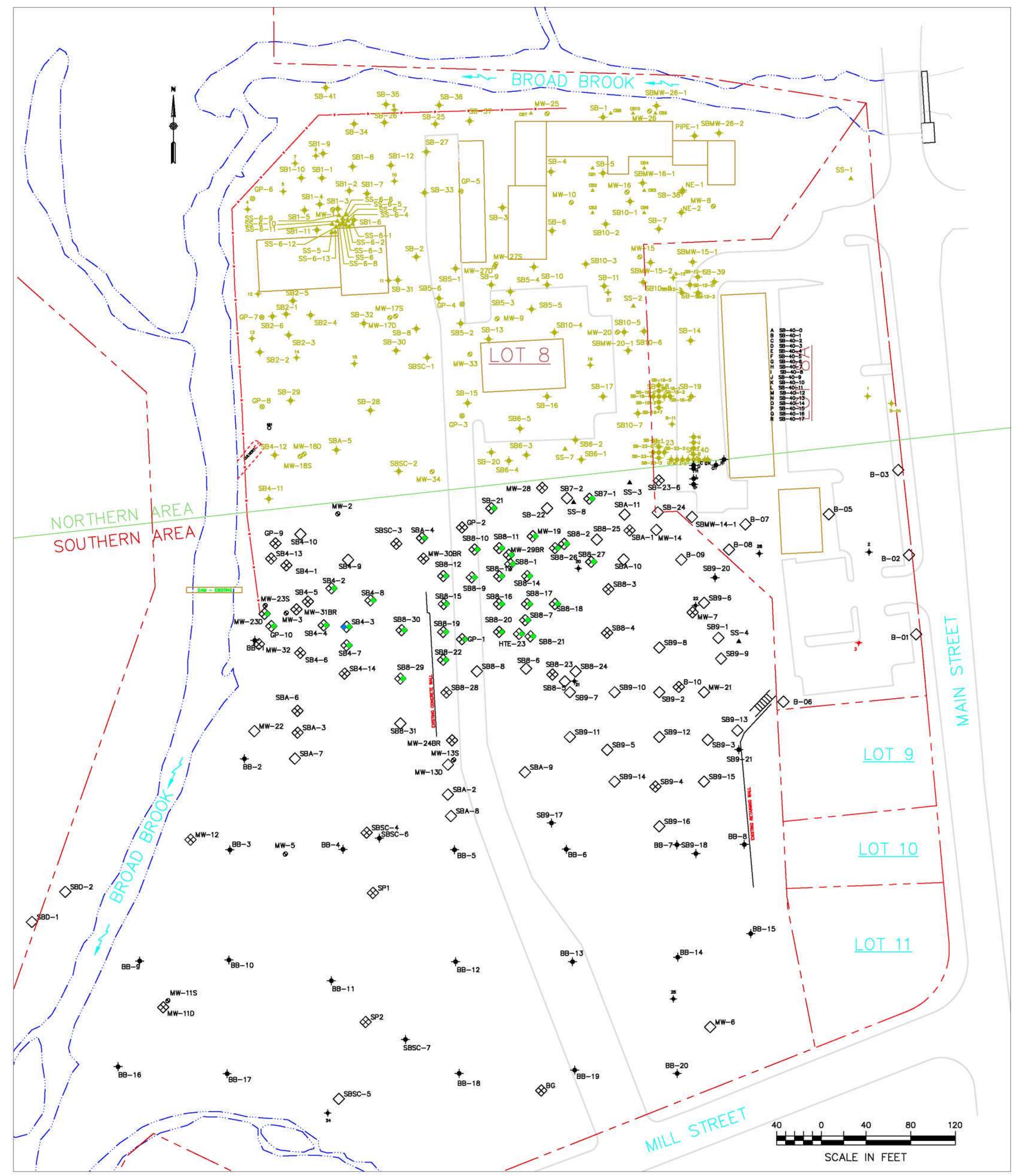
SBSC-4	02/03/1998						
Constituent	0' - 2'	2' - 4'	4' - 8'	8' - 10'	10' - 12'	12' - 13.6'	13.6' - 16'
VOCs				ND		–	–
ACT				ND		1400 J11	740 J11I
MEK				ND		290	110 I
TL				ND		ND	12 I
VOCs (screening)	ND	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'						
DTGW	~ 10.4'						

SBSC-5	02/04/1998					
Constituent	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 12'	12' - 16'
VOCs				ND		ND
VOCs (screening)	ND	ND	ND	ND	ND	ND
Depth of Boring	16.00'					
DTGW	~ 7.5'					

SP1	10/27/1994
Constituent	
VOCs	–
ACT	200

SP2	10/27/1994
Constituent	
VOCs	–
ACT	200

SB-23-6 (12/17/2004)		
Constituent	2'-4'	8'-10'
VOCs		ND
TL	0.7 J	ND
TCA	1.5 J	ND
Depth of Boring	10.0'	



DATA BLOCK LEGEND

LOCATION IDENTIFIER — ET-SB-06

ET-SB-06	11/06/1997		
Constituent	0' - 2'	2' - 4'	4' - 6'
METALs	–		
As	2.4		
Pb	15.8 J		
Physical Analyses			–
TPH			900
VOCs			ND
VOCs (screening)	ND	ND	ND
Depth of Boring	10.00'		
DTGW	~ 12.00'		

- SAMPLE DATE
- SAMPLE DEPTH
- BLANK CELL INDICATES NO ANALYSIS CONDUCTED
- "J" IS A CONSTITUENT CONCENTRATION QUALIFIER
- DASH INDICATES DETECT(S) IN CONSTITUENT GROUP
- ITALICIZED AND RED (COLORED DRAWINGS) CONSTITUENT CONCENTRATION INDICATES AN EXCEEDANCES OF A CT RSR CRITERIA.

NOTES:

THE RESPECTIVE UNITS FOR SOILS IN WHICH QUANTIFIABLE CONCENTRATIONS ARE DETECTED ARE AS FOLLOWS: VOCs, – MICROGRAMS PER KILOGRAM (ug/kg).

LEGEND

- MONITORING WELL (MW) (NOT ANALYZED)
- MONITORING WELL (MW) (NOT ASSOCIATED W/ AREA)
- SOIL BORING (SB) (NOT ANALYZED)
- SOIL BORING (SB) (NOT ASSOCIATED W/ AREA)
- SAMPLE W/ DETECT BUT NO EXCEEDANCES
- SAMPLE ANALYZED BUT NO DETECTS
- SCREEN POINT (GP) (NOT ANALYZED)
- SCREEN POINT (GP) (NOT ASSOCIATED W/AREA)
- SOIL SAMPLE (SS) (NOT ANALYZED)
- SOIL SAMPLE (SS) (NOT ASSOCIATED W/AREA)

SOIL EXCEEDANCES

RESIDENTIAL DIRECT EXPOSURE CRITERIA (RDEC)
(GAPMC) POLLUTANT MOBILITY CRITERIA
(IDEC) INDUSTRIAL DIRECT EXPOSURE CRITERIA

ABBREVIATIONS

VOCs

ACT	Acetone
BZ	Benzene
CDIS	Carbon disulfide
CBZ	Chlorobenzene
CFM	Chloroform
CEA	Chloroethane
2DCB	1,2-Dichlorobenzene
3DCB	1,3-Dichlorobenzene
4DCB	1,4-Dichlorobenzene
11DCA	1,1-Dichloroethane
12DCA	1,2-Dichloroethane
11DCE	1,1-Dichloroethylene
12DCE	1,2-Dichloroethylene
CDCE	Cis-1,2-Dichloroethylene
TDCE	Trans-1,2-Dichloroethylene
EBZ	Ethylbenzene
MCM	Methyl chloride(Chloromethane)
MC	Methylene chloride
MEK	Methyl ethyl ketone
MTBE	Methyl-tert-butyl ether
PCE	Tetrachloroethylene
1122TTCA	1,1,2,2-Tetrachloroethane
TL	Toluene
TCA	1,1,1-Trichloroethane
112TCA	1,1,2-Trichloroethane
TCE	Trichloroethylene
VC	Vinyl chloride
XYL (o)	Xylenes (ortho-)
XYL (m,p)	Xylenes (meta-, para-)
XYL	Xylenes (Total)

CONSTITUENT CONCENTRATION QUALIFIERS

ND NONE DETECTED; LESS THAN DETECTION LIMIT
NA COMPOUND NOT ANALYZED
J ESTIMATED VALUE. COMPOUND PRESENT AT A CONCENTRATION BELOW THE METHOD DETECTION LIMIT
TB COMPOUND DETECTED IN TRIP BLANK
EB COMPOUND DETECTED IN EQUIPMENT BLANK
B ANALYTE ALSO PRESENT IN LABORATORY METHOD BLANK

REFERENCE NOTES:

EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED "GRADING PLAN" – MILLBROOK – SECTION III – PHASES 5,6 – PROPERTY OF CJP INCORPORATED" BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990.

LOCATIONS OF ALL MONITORING WELLS AND SOIL BORINGS AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998.

LOCATIONS OF SOIL BORINGS PERFORMED BY EMG, HTE, AND THE DEP ARE APPROXIMATE BASED ON AVAILABLE INFORMATION.

NOTES:

1. SAMPLES WERE COLLECTED AT TWO FOOT INTERVALS TO THE BOTTOM OF THE BORING.
2. THE RESULTS FROM ALL ANALYSES CONDUCTED ON SAMPLES FROM A PARTICULAR LOCATION ARE SHOWN ON THE MAP.
3. VOC ANALYSES CONDUCTED BY THE LEA ANALYTICAL LABORATORY IS DENOTED BY THE WORD "SCREENING" FOLLOWING THE TARGET VOC.
4. APPROXIMATE DEPTH TO GROUNDWATER IS GIVEN TO DETERMINE APPLICABILITY TO THE CT RSR POLLUTANT MOBILITY CRITERIA. IN A GA AREA, THE APPROXIMATE SEASONAL LOW GROUNDWATER LEVEL IS GIVEN.
5. DUPLICATE SAMPLE DATA ARE SEPARATED BY A COMMA WITHIN THE SAMPLING INTERVAL WHERE THE DUPLICATION OCCURS.
6. FIGURE ADOPTED FROM LEA REPORT FIGURE 7B – VOCs IN SOIL – SOUTHERN AREA (887016-2)

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN	TITLE: VOCs IN SOIL – SOUTHERN AREA, BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO.: FIGURE 9B
CHECKED BY: JP	REV.: B
PROJ. MGMT. APPROVAL: MM	

B01	10/20/1995
Constituent	14' - 16'
SVOCs	ND
Depth of Boring	16.00'

B02	10/20/1995
Constituent	12' - 14'
SVOCs	ND
Depth of Boring	14.00'

B03	10/20/1995
Constituent	4' - 6'
SVOCs	ND
Depth of Boring	14.00'

B04	10/20/1995
Constituent	10' - 12'
SVOCs	ND
Depth of Boring	12.00'

B05	10/20/1995
Constituent	8' - 10'
SVOCs	ND
Depth of Boring	10.00'

B06	10/20/1995
Constituent	14' - 16'
SVOCs	ND
Depth of Boring	16.00'

B07	10/20/1995
Constituent	4' - 6'
SVOCs	ND
Depth of Boring	6.00'

B08	10/20/1995
Constituent	12' - 14'
SVOCs	ND
Depth of Boring	14.00'

B09	10/20/1995
Constituent	8' - 10'
SVOCs	ND
Depth of Boring	10.00'

B10	10/21/1995
Constituent	4' - 6'
SVOCs	ND
Depth of Boring	10.00'

B11	10/21/1995
Constituent	4' - 6'
SVOCs	ND
Depth of Boring	10.00'

B12	10/21/1995
Constituent	10' - 12'
SVOCs	ND
Depth of Boring	12.00'

BG	10/27/1994
Constituent	
SVOCs	ND

CB1	10/27/1994
Constituent	
SVOCs	ND

CB10	10/27/1994
Constituent	
SVOCs	ND

CB2	10/27/1994
Constituent	
SVOCs	-
NAP	2.8

CB3	10/27/1994
Constituent	
SVOCs	ND

CB4	10/27/1994
Constituent	
SVOCs	-
NAP	8.9

CB5	10/27/1994
Constituent	
SVOCs	ND

CB6	10/27/1994
Constituent	
SVOCs	ND

CB7	10/27/1994
Constituent	
SVOCs	-
NAP	30

CB8	10/27/1994
Constituent	
SVOCs	ND

CB9	10/27/1994
Constituent	
SVOCs	-
NAP	12
PIPTL	4.9

GP-1	10/29/1996
Constituent	6' - 8'
SVOCs	-
ANTH	590
BA	1200
BAP	970
BBF	1100
BGP	600
BKF	720
CRYS	1300
FA	3000
FLE	660
IP	620
NAP	1100
PHN	3300
PYR	2400
Depth of Boring	12.00'

GP-2	10/29/1996
Constituent	2' - 4'
SVOCs	ND
Depth of Boring	12.00'
DTGW	~ 10.5'

GP-4	10/29/1996
Constituent	6' - 8'
SVOCs	-
FA	630
PHN	450
PYR	570
Depth of Boring	9.00'
DTGW	~ 9.5'

GP-7	10/30/1996
Constituent	2' - 4'
SVOCs	-
FA	480
Depth of Boring	12.00'
DTGW	~ 8.2'

GP-9	10/30/1996
Constituent	4' - 6'
SVOCs	ND
Depth of Boring	10.00'
DTGW	~ 9.0'

HTE-15	08/31/1993
Constituent	6' - 8'
SVOCs	ND
Depth of Boring	8.00'

HTE-23	08/31/1993
Constituent	5' - 7'
SVOCs	-
ANTH	104
BA	27
BAP	56
BBF	22
BGP	50
Benzo(j)fluoranthene	50
BKF	29
CRYS	42
FA	88
FLE	16
IP	50
PHN	12
PYR	93
Depth of Boring	7.00'

HTE-8	08/31/1993
Constituent	4' - 6'
SVOCs	ND
Depth of Boring	8.00'

MW-10	01/03/1997
Constituent	2' - 4'
SVOCs	-
ACN	1500
ACNE	4800
ANTH	12000
BA	23000
BAP	15000
BBF	15000
BGP	4800
BKF	12000
CRYS	21000
DBA	2800
FA	49000
FLE	14000
IP	5900
NAP	1600
PHN	60000
PYR	39000
Depth of Boring	17.00'
DTGW	~ 8.5'

MW-13D	01/07/1998	
Constituent	0' - 2'	4' - 6'
SVOCs	-	-
ACNE	1400	2400
ANTH	870	3800
BA	7600 J11	15000 J11
BAP	5200	6600
BBF	6500	6100
BGP	4000	4200
BKF	2100	4200
CRYS	6600 J11	10000 J11
DBA	1300	1200
FA	6100	14000 J11
FLE	650	1700
IP	3200	3600
PHN	4000	14000 J11
PYR	12000 J11	29000 J11
Depth of Boring	36.00'	
DTGW	~ 10.8'	

MW-14	12/31/1997
Constituent	2' - 4'
SVOCs	-
ANTH	920
BA	2600
BAP	2500
BBF	2400
BGP	1700
BKF	1400
CRYS	2800
FA	7300 J11
IP	1700
PHN	6300
PYR	6900 J11
Depth of Boring	15.50'
DTGW	~ 10.2'

MW-18D	01/14/1998	
Constituent	4' - 6'	8' - 10'
SVOCs	-	-
DEHP	1900	2500
Depth of Boring	29.60'	
DTGW	~ 9.7'	

MW-20	01/20/1998	
Constituent	0' - 2'	4' - 6'
SVOCs	-	-
BA	1200	760
BAP	1200	750
BBF	1100	800
BGP	770	ND
BKF	780	ND
CRYS	1400	830
FA	1900	1400
IP	740	ND
PHN	850	ND
PYR	2500	1100
Depth of Boring	25.50'	
DTGW	~ 8.2'	

MW-27D	01/13/1998	
Constituent	6' - 8'	10' - 12'
SVOCs	ND	-
DEHP	ND	1300
Depth of Boring	21.00'	
DPGW	~ 10.0'	

MW-32	03/23/1998		
Constituent	0' - 2'	4' - 6'	8' - 10'
SVOCs	-	ND	-
BA	2000	ND	ND
BAP	1600	ND	ND
BBF	1800	ND	ND
BGP	820	ND	ND
BKF	1000	ND	ND
CRYS	1900	ND	ND
FA	4100	ND	1100
IP	850	ND	ND
PHN	2600	ND	ND
PYR	3300	ND	1000
Depth of Boring	16.00'		
DTGW	~ 9.2'		

SB-2	01/23/1998	
Constituent	6' - 8'	12' - 14'
SVOCs	ND	ND
Depth of Boring	16.00'	
DPGW	~ 9.1'	

SB-3	01/14/1998	
Constituent	0' - 2'	4' - 6'
SVOCs	-	ND
BA	1200	ND
BAP	1100	ND
BBF	1000	ND
BKF	810	ND
DEHP	1500	ND
CRYS	1200	ND
FA	2300	ND
PHN	1200	ND
PYR	2300	ND
Depth of Boring	16.00'	
DTGW	~ 9.4'	

SB-4	01/14/1998			
Sample Date	01/14/1998	01/28/1998	01/28/1998	01/28/1998
Constituent	0.08' - 0.42'	0' - 2'	4' - 6'	10' - 12'
SVOCs	-		ND	-
BA	1500	ND	ND	ND
BAP	1500	ND	ND	ND
BBF	1400	ND	ND	ND
BGP	840	ND	ND	ND
BKF	990	ND	ND	ND
DEHP	ND	2200	ND	1500
CRYS	1500	ND	ND	ND
FA	2000	ND	ND	ND
IP	830	ND	ND	ND
PHN	740	ND	ND	ND
PYR	2800	ND	ND	ND
Depth of Boring	12.00'			
DTGW	~ 8.7'			

SB-5	01/14/1998		
Sample Date	01/14/1998	01/28/1998	01/28/1998
Constituent	0.08' - 0.42'	2' - 4'	6' - 8'
SVOCs	-	-	ND
ACN	ND	4900	ND
ACNE	ND	7300	ND
ANTH	ND	14000 J11	ND
BA	2500	40000 J11	ND
BAP	2600	24000 J11	ND
BBF	2500	32000 J11	ND
BGP	1500	18000 J11	ND
BKF	1600	6800	ND
DEHP	1500	ND	ND
CRYS	2700	31000 J11	ND
DBA	ND	9400	ND
FA	2900	55000 J11	ND
FLE	ND	12000	ND
IP	1600	18000 J11	ND
NAP	ND	1500	ND
PHN	ND	42000 J11	ND
PYR	3500	46000 J11	ND
Depth of Boring	11.50'		
DTGW	~ 9.4'		

SB-6	01/14/1998		
Sample Date	01/14/1998	01/28/1998	01/28/1998
Constituent	0.08' - 0.42'	2' - 4'	6' - 8'
SVOCs	-	-	ND
ACNE	ND	1000	ND
BA	1400	3300	ND
BAP	1600	3400	ND
BBF	1500	4000	ND
BGP	1100	2400	ND
BKF	1100	1700	ND
CRYS	1700	3200	ND
DBA	ND	1000	ND
FA	2200	4900	ND
IP	1000	2400	ND
PHN	ND	1600	ND
PYR	2700	4200	ND
Depth of Boring	16.00'		
DTGW	~ 8.3'		

SB-7	01/14/1998		
Sample Date	01/14/1998	02/04/1998	02/04/1998
Constituent	0.08' - 0.42'	0' - 2'	6' - 8'
SVOCs	ND	-	ND
ACNE	ND	930	ND
ANTH	ND	1400	ND
BA	ND	4200	ND
BAP	ND	3500	ND
BBF	ND	5100	ND
BGP	ND	1300	ND
BKF	ND	2900	ND
CRYS	ND	4100	ND
FA	ND	8200 J11	ND
FLE	ND	1200	ND
IP	ND	1400	ND
PHN	ND	6600	ND
PYR	ND	6700	ND
Depth of Boring	10.00'		
DTGW	~ 8.5'		

SB-8	01/27/1998	
Constituent	2' - 4'	12' - 12.5'
SVOCs	ND	ND
Depth of Boring	12.50'	
DPGW	~ 9.8'	

SB-9	01/28/1998	
Constituent	4' - 6'	10' - 12'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 10.0'	

SB-10	01/14/1998		
Sample Date	01/14/1998	01/30/1998	01/30/1998
Constituent	0.08' - 0.42'	2' - 4'	8' - 10'
SVOCs	ND	ND	
Depth of Boring	14.00'		
DTGW	~ 9.9'		

SB-11	01/14/1998		
Sample Date	01/14/1998	01/30/1998	01/30/1998
Constituent	0.08' - 0.42'	0' - 2'	4' - 6'
SVOCs	-	-	ND
BA	1400	820	ND
BAP	1400	870	ND
BBF	1200	840	ND
BKF	970	ND	ND
CRYS	1600	880	ND
FA	2800	1500	ND
PHN	1200	ND	ND
PYR	3000	1200	ND
Depth of Boring	12.00'		
DTGW	~ 8.6'		

SB-12	10/30/1997
Constituent	0' - 2'
SVOCs	ND
Depth of Boring	4.50'
DTGW	~ 13.0'

SB-13	01/28/1998		
Constituent	2' - 4'	8' - 12'	14' - 16'
SVOCs	-	-	-
BA	1200	ND	ND
BAP	1700	ND	ND
BBF	1700	ND	ND
BGP	1100	ND	ND
BKF	1000	ND	ND
DEHP	ND	ND	1600
CRYS	1400	ND	ND
FA	1500	7100	ND
IP	1100	ND	ND
PHN	ND	7700	ND
PYR	1700	14000 I	ND
Depth of Boring	16.00'		
DTGW	~ 10.2'		

SB-14	10/30/1997
Constituent	2' - 3.8'
SVOCs	ND
Depth of Boring	3.80'
DTGW	~ 13.5'

SB-15	01/27/1998	
Constituent	2' - 4'	8' - 11.0'
SVOCs	-	ND
ACNE	800	ND
BA	2700	ND
BAP	3500	ND
BBF	3800	ND
BGP	2600	ND
BKF	2100	ND
CRYS	3000	ND
DBA	830	ND
FA	3200	ND
IP	2300	ND
PHN	820	ND
PYR	3900	ND
Depth of Boring	16.00'	
DTGW	~ 9.4'	

SB-16	01/27/1998	
Constituent	2' - 4'	8' - 10'
SVOCs	-	ND
BA	2200	ND
BAP	2500	ND
BBF	2700	ND
BGP	1700	ND
BKF	1600	ND
CRYS	2300	ND
FA	3000	ND
IP	1700	ND
PHN	830	ND
PYR	3200	ND
Depth of Boring	16.00'	
DTGW	~ 9.1'	

SB-17	01/27/1998		
Constituent	2' - 4'	12' - 14'	14' - 16'
SVOCs	ND	-	ND
ACNE	ND	5500	ND
ANTH	ND	10000	ND
BA	ND	34000 J11I	ND
BAP	ND	23000 J11I	ND
BBF	ND	24000 J11I	ND
BGP	ND	14000 I	ND
BKF	ND	12000 I	ND
CRYS	ND	29000 J11I	ND
DBA	ND	5400 I	ND
FA	ND	40000 J11	ND
FLE	ND	4100	ND
IP	ND	15000 J11I	ND
PHN	ND	26000 J11	ND
PYR	ND	53000 J11I	ND
Depth of Boring	16.00'		
DTGW	~ 7.8'		

SB-18	10/30/1997		
Constituent	4' - 6'	10' - 12'	12' - 14'
SVOCs	-	-	ND
BAP	940	ND	ND
BBF	820	ND	ND
BGP	ND	1200	ND
FA	1300	830	ND
IP	ND	750	ND
PHN	ND	910	ND
PYR	1100	780	ND
Depth of Boring	16.00'		
DTGW	~ 10.2'		

SB-19	10/31/1997
Constituent	2' - 4'
SVOCs	-
DEHP	1500 U
Depth of Boring	12.00'
DTGW	~ 14.3'

SB-20	12/18/1997		
Sample Date	12/18/1997	01/26/1998	01/26/1998
Constituent	0.13' - 0.38'	6' - 8'	8' - 12'
SVOCs	-	-	-
BA	1400	ND	1100
BAP	1600	ND	900
BBF	1400	830	850
BGP	910	ND	ND
BKF	1200	ND	740
CRYS	1700	970	1100
FA	2000	1700	2000
IP	890	ND	ND
PHN	ND	1000	730
PYR	2800	1300	1700
Depth of Boring	16.00'		
DTGW	~ 10.0'		

SB-21	12/18/1997		
Sample Date	12/18/1997	01/26/1998	01/26/1998
Constituent	0.13' - 0.38'	6' - 8'	12' - 14'
SVOCs	-	ND	ND
ACN	1500	ND	ND
ACNE	690	ND	ND
ANTH	2500	ND	ND
BA	6800	ND	ND
BAP	6400	ND	ND
BBF	7800 J11	ND	ND
BGP	2800	ND	ND
BKF	2900	ND	ND
CRYS	7000 J11	ND	ND
DBA	1300	ND	ND
FA	10000 J11	ND	ND
FLE	1500	ND	ND
IP	3000	ND	ND
NAP	1200	ND	ND
PHN	8300 J11	ND	ND
PYR	13000 J11	ND	ND
Depth of Boring	16.00'		
DTGW	~ 10.2'		

SB-22	01/26/1998	
Constituent	2' - 4'	6' - 8'
SVOCs	-	ND
ANTH	960	ND
BA	5200	ND
BAP	4900	ND
BBF	5100	ND
BGP	4000	ND
BKF	2500	ND
CRYS	5400	ND
DBA	1100	ND
FA	9300 J11	ND
IP	3400	ND
PHN	5200	ND
PYR	8200 J11	ND
Depth of Boring	16.00'	
DTGW	~ 9.5'	

SB-23	10/31/1997	
Constituent	2' - 4'	8' - 10'
SVOCs	ND	ND
Depth of Boring	14.00'	
DTGW	~ 11.5'	

SB-24	10/31/1997	
Constituent	2' - 4'	8' - 10'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 10.4'	

SB-25	01/21/1998	
Constituent	0' - 2'	4' - 7.5'
SVOCs	-	-
BBF	880	ND
FA	1200	ND
PYR	820	ND
124TCB	ND	2100
Depth of Boring	16.00'	
DTGW	~ 9.1'	

SB-26	01/23/1998	
Constituent	4' - 6'	8' - 10'
SVOCs	-	ND
ANTH	910	ND
BA	1900	ND
BAP	1600 I	ND
BBF	1500 I	ND
BKF	1000 I	ND
CRYS	2100	ND
FA	4100	ND
FLE	1100	ND
PHN	5300	ND
PYR	5400	ND
Depth of Boring	16.00'	
DTGW	~ 8.5'	

SB-27	01/21/1998	
Constituent	4' - 6'	8' - 12'
SVOCs	ND	
Depth of Boring	16.00'	
DTGW	~ 10.0'	

SB-28	03/24/1998		
Constituent	0' - 2'	4' - 6'	8' - 10'
SVOCs	-	ND	ND
BA	860	ND	ND
BAP	1100	ND	ND
BBF	1100	ND	ND
CRYS	980	ND	ND
FA	1500	ND	ND
PYR	1600	ND	ND
Depth of Boring	10.00'		
DPGW	~ 9.1'		

SB-29	03/24/1998		
Constituent	0' - 2'	4' - 6'	8' - 10'
SVOCs	-	ND	ND
BBF	850	ND	ND
FA	870	ND	ND
PYR	1100	ND	ND
Depth of Boring	10.00'		
DTGW	~ 8.7'		

SB-30	03/24/1998	
Constituent	0' - 2'	4' - 6'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 8.6'	

SB-32	03/24/1998	
Constituent	0' - 2'	4' - 6'
SVOCs	ND	ND
Depth of Boring	11.75'	
DTGW	~ 8.8'	

SB-34	03/24/1998		
Constituent	2' - 4'	4' - 8'	8' - 10'
SVOCs	-	ND	ND
BA	1500	ND	ND
BAP	1100	ND	ND
BBF	1300	ND	ND
CRYS	1600	ND	ND
FA	2900	ND	ND
PHN	1800	ND	ND
PYR	2800	ND	ND
Depth of Boring	12.00'		
DTGW	~ 7.8'		

SB-35	03/24/1998	
Constituent	2' - 4'	6' - 8'
SVOCs	-	ND
BA	2700	ND
BAP	2500	ND
BBF	2700	ND
BGP	1100	ND
BKF	1400	ND
CRYS	2600	ND
FA	4600	ND
IP	1100	ND
PHN	2500	ND
PYR	4500	ND
Depth of Boring	8.00'	
DTGW	~ 6.0'	

SB-36	03/24/1998	
Constituent	0' - 2'	2' - 4'
SVOCs	-	ND
ACN	1300	ND
ACNE	2400	ND
ANTH	3600	ND
BA	9300 J11	ND
BAP	6400	ND
BBF	8000 J11	ND
BGP	2300	ND
BKF	3700	ND
CRYS	8600 J11	ND
DBA	890	ND
FA	15000 J11	1400
FLE	4700	ND
IP	2300	ND
NAP	1800	ND
PHN	17000 J11	1900
PYR	17000 J11	1500
Depth of Boring	4.00'	
DTGW	~ 5.7	

SB-38	03/23/1998	
Constituent	0' - 2'	2' - 4'
SVOCs	ND	ND
Depth of Boring	8.00'	
DTGW	~ 8.5'	

SB-39	03/24/1998	
Constituent	0' - 2'	2' - 4'
SVOCs	ND	ND
Depth of Boring	4.00'	
DTGW	~ 12.5'	

SB1-1	12/17/1996	
Constituent	4' - 6'	12' - 14'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 8.5'	

SB1-2	12/18/1996	
Constituent	4' - 6'	12' - 14'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 8.5'	

SB1-3	12/18/1996	
Constituent	4' - 6'	10' - 11.9'
SVOCs	-	ND
ACNE	790	ND
BA	2800	ND
BAP	2700	ND
BBF	3200	ND
BGP	1400	ND
BKF	2200	ND
CRYS	2900	ND
DBA	630	ND
FA	4600 J11	ND
IP	1600	ND
PHN	1100	ND
PYR	6000 J11	600
Depth of Boring	11.90'	
DTGW	~ 8.4'	

SB1-4	12/19/1996	
Constituent	4' - 6'	10' - 12.3'
SVOCs	-	ND
FA	390	ND
PYR	410	ND
Depth of Boring	12.30'	
DTGW	~ 9.0'	

SB1-5	12/19/1996	
Constituent	4' - 6'	12' - 14'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 8.0'	

SB1-6	12/22/1997	
Constituent	4' - 6'	12' - 14'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 6.8'	

SB1-7	12/22/1997	
Constituent	4' - 6'	10' - 12'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 6.1'	

SB1-8	12/22/1997	
Constituent	4' - 6'	12' - 14'
SVOCs	-	ND
PYR	1500	ND
Depth of Boring	16.00'	
DTGW	~ 6.1'	

SB1-12	03/24/1998		
Constituent	2' - 4'	4' - 6'	6' - 8'
SVOCs	ND	-	ND
BA	ND	1100	ND
BAP	ND	880	ND
BBF	ND	960	ND
CRYS	ND	1100	ND
FA	ND	1500	ND
PYR	ND	1400	ND
Depth of Boring	12.00'		
DTGW	~ 6.5'		

SB2-1	12/20/1996
Constituent	4' - 6'
SVOCs	-
ACN	510
ANTH	1200
BA	3400
BAP	2500
BBF	2600
BGP	1000
BKF	1700
CRYS	2800
DBA	490
FA	6300 J11
FLE	770
IP	1400
PHN	4000
PYR	6200 J11
Depth of Boring	16.00'
DTGW	~ 8.4'

SB2-2	12/20/1996
Constituent	2' - 4'
SVOCs	ND
Depth of Boring	16.00'
DTGW	~ 8.2'

SB2-3	12/30/1997	
Constituent	2' - 4'	8' - 10'
SVOCs	-	ND
ANTH	1400	ND
BA	3800	ND
BAP	2700	ND
BBF	2400	ND
BGP	1000	ND
BKF	1500	ND
CRYS	3400	ND
FA	7100	ND
IP	1200	ND
PHN	3200	ND
PYR	6500	ND
Depth of Boring	16.00'	
DTGW	~ 8.2'	

SB2-4	12/30/1997	
Constituent	2' - 4'	8' - 10'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 8.0'	

SB2-5	12/31/1997	
Constituent	2' - 4'	8' - 10'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 7.6'	

SB2-6	12/31/1997	
Constituent	2' - 4'	8' - 10'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 8.1'	

SB4-1	12/23/1996	
Constituent	0' - 2'	12' - 14'
SVOCs	-	ND
ACNE	450	ND
BA	1600	ND
BAP	1700	ND
BBF	1800	ND
BGP	1100	ND
BKF	1200	ND
CRYS	1600	ND
FA	2700	ND
IP	1200	ND
PHN	1200	ND
PYR	3200	ND
Depth of Boring	14.00'	
DTGW	~ 9.0'	

SB4-2	12/23/1996	
Constituent	2' - 4'	4' - 6'
SVOCs	-	-
ACN	2800	6300
ANTH	2000	3700
BA	3600	10000
BAP	ND	5300
BGP	ND	3000
BKF	ND	2600
CRYS	3700	15000
FLE	5100	10000
PHN	15000	25000
PYR	9400	72000
Depth of Boring	13.80'	
DTGW	~ 9.6'	

SB4-3	12/20/1996	
Constituent	0' - 2'	12' - 13.9'
SVOCs	-	-
ACNE	700	ND
BA	2100	830
BAP	2400	640
BBF	2600	660
BGP	1400	ND
BKF	1500	590
CRYS	2300	830
DBA	460	ND
FA	3800	1900
IP	1600	ND
PHN	1200	1300
PYR	3600	1900
Depth of Boring	16.00'	
DTGW	~ 10.8'	

SB4-4	12/26/1996	
Constituent	0' - 2'	12' - 14'
SVOCs	ND	-
ACNE	ND	470
ANTH	ND	610
BA	ND	2800
BAP	ND	2200
BBF	ND	2700
BGP	ND	1200
BKF	ND	1000
CRYS	ND	2700
DBA	ND	430
FA	ND	6300 J11
FLE	ND	510
IP	ND	1300
PHN	ND	3500
PYR	ND	5900 J11
Depth of Boring	14.00'	
DTGW	~ 10.3'	

SB4-5	12/24/1996	
Constituent	0' - 2'	10' - 12'
SVOCs	-	ND
PHN	2500	ND
PYR	3000	ND
Depth of Boring	16.00'	
DTGW	~ 9.0	

SB4-6	01/06/1998		
Constituent	0' - 2'	6' - 8'	12' - 15.5'
SVOCs	-	ND	ND
BA	1700	ND	ND
BAP	2000	ND	ND
BBF	2200	ND	ND
BGP	1300	ND	ND
BKF	1200	ND	ND
CRYS	2200	ND	ND
FA	3700	ND	ND
IP	1400	ND	ND
PHN	1600	ND	ND
PYR	4600	ND	ND
Depth of Boring	15.50'		
DTGW	~ 9.4'		

SB4-7	01/06/1998		
Constituent	0' - 2'	6' - 8'	12' - 16'
SVOCs	-	ND	ND
BA	800	ND	ND
BAP	1100	ND	ND
BBF	1100	ND	ND
BGP	820	ND	ND
CRYS	1000	ND	ND
FA	2000	ND	ND
IP	790	ND	ND
PHN	1000	ND	ND
PYR	2000	ND	ND
Depth of Boring	16.00'		
DTGW	~ 11.2'		

SB4-8	12/31/1997	
Constituent	4' - 6'	12' - 14'
SVOCs	ND	-
BA	ND	2000
BAP	ND	1600
BBF	ND	1600
BGP	ND	1000
CRYS	ND	1700
FA	ND	2600
IP	ND	1000
PHN	ND	840
PYR	ND	3500
Depth of Boring	16.00'	
DTGW	~ 11.0'	

SB4-9	01/05/1998	
Constituent	0' - 2'	10' - 12'
SVOCs	-	ND
PYR	900	ND
Depth of Boring	16.00'	
DTGW	~ 10.0'	

SB4-10	01/05/1998	
Constituent	0' - 2'	8' - 10'
SVOCs	-	ND
PYR	780	ND
Depth of Boring	15.00'	
DTGW	~ 8.8'	

SB4-11	01/05/1998	
Constituent	0' - 2'	6' - 8'
SVOCs	-	ND
BA	2900	ND
BAP	3300	ND
BBF	2700	ND
BGP	1800	ND
BKF	1700	ND
CRYS	3000	ND
FA	5000	ND
IP	1700	ND
PHN	2000	ND
PHNL	790	ND
PYR	6800	ND
Depth of Boring	16.00'	
DTGW	~ 8.4'	

SB4-12	01/20/1998	
Constituent	0' - 2'	6' - 8'
SVOCs	-	ND
DEHP	3700	ND
Depth of Boring	16.00'	
DTGW	~ 8.4'	

SB4-13	01/05/1998	
Constituent	0' - 2'	10' - 12'
SVOCs	-	ND
BA	1100	ND
BAP	1400	ND
BBF	1500	ND
BGP	1100	ND
BKF	860	ND
CRYS	1400	ND
FA	1600	ND
IP	1100	ND
PHN	720	ND
PYR	2500	ND
Depth of Boring	12.00'	
DTGW	~ 8.4'	

SB4-14	03/25/1998	
Constituent	0' - 2'	4' - 6'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 11.3'	

SB5-1	12/30/1996
Constituent	6' - 8'
SVOCs	-
BA	750
BAP	720
BBF	830
BGP	450
BKF	540
CRYS	870
FA	1700
IP	510
PHN	1400
PYR	1400
Depth of Boring	14.50'
DTGW	~ 10.1'

SB5-2	12/30/1996
Constituent	10' - 12'
SVOCs	ND
Depth of Boring	16.00'
DTGW	~ 9.7'

SB5-3	01/06/1997	
Constituent	2' - 4'	6' - 8'
SVOCs	-	-
BA	2800	ND
BAP	2100	ND
BBF	2200	ND
BGP	1100	ND
BKF	1700	ND
CRYS	2600	ND
FA	3800	ND
IP	1200	ND
PHN	2800	ND
PYR	6900	440
Depth of Boring	12.00'	
DTGW	~ 10.1'	

SB5-4	01/06/1997
Constituent	6' - 8'
SVOCs	ND
Depth of Boring	16.00'
DTGW	~ 9.5'

SB5-5	01/03/1997
Constituent	8' - 10'
SVOCs	ND
Depth of Boring	16.00'
DTGW	~ 10.0'

SB5-6	12/30/1996
Constituent	6' - 8'
SVOCs	-
CRYS	430
FA	680
PHN	440
PYR	630
Depth of Boring	10.00'
DTGW	~ 9.7'

SB6-1	01/14/1997
Constituent	8' - 10'
SVOCs	-
BAP	890
BBF	480
BGP	1700
IP	1100
Depth of Boring	16.00'
DTGW	~ 9.5'

SB6-2	01/13/1997
Constituent	2' - 4'
SVOCs	-
BA	1400
BAP	1500
BBF	1500
BGP	1300
BKF	850
CRYS	1600
FA	1100
IP	980
PHN	800
PYR	2000
Depth of Boring	16.00'
DTGW	~ 9.1'

SB6-3	01/14/1997
Constituent	2' - 4'
SVOCs	-
ACN	5000
ACNE	12000
ANTH	15000
BA	39000 J11
BAP	27000
BBF	30000
BGP	12000
BKF	12000
CRYS	38000 J11
DBA	4000
FA	59000 J11
FLE	18000
IP	12000
NAP	21000
PHN	67000 J11
PYR	80000 J11
Depth of Boring	12.00'
DTGW	~ 9.7'

SB6-4	01/14/1997
Constituent	4' - 6'
SVOCs	ND
Depth of Boring	14.00'
DTGW	~ 9.9'

SB6-5	01/13/1997
Constituent	8' - 10'
SVOCs	ND
Depth of Boring	16.00'
DTGW	~ 9.6'

SB7-1	01/15/1997
Constituent	8' - 10'
SVOCs	-
ACN	5700 J11
ACNE	600
ANTH	2600
BA	5600 J11
BAP	4300 J11
BBF	3000
BGP	2600
BKF	1300
CRYS	4200 J11
DBA	710
FA	8900 J11
FLE	4300 J11
IP	1800
PHN	17000 J11
PYR	16000 J11
Depth of Boring	14.00'
DTGW	~ 9.5'

SB8-10	01/07/1998
Constituent	4' - 6'
SVOCs	-
ACNE	1400
ANTH	1100
BA	8400 J11
BAP	5500
BBF	7700 J11
BGP	3300
BKF	2100
CRYS	7400 J11
DBA	1400
FA	10000 J11
FLE	710
IP	3200
PHN	6400 J11
PYR	12000 J11
Depth of Boring	16.00'
DTGW	~ 10.6'

SB8-12	01/06/1998	
Constituent	2' - 4'	8' - 10'
SVOCs	-	ND
FA	880	ND
PYR	1100	ND
Depth of Boring	16.00'	
DTGW	~ 11.1'	

SB8-15	01/07/1998	
Constituent	4' - 6'	8' - 11.5'
SVOCs	-	ND
DBP	1100	ND
Depth of Boring	11.50'	
DTGW	~ 10.9'	

SB8-16	12/26/1997	
Constituent	2' - 4'	8' - 10'
SVOCs	ND	ND
Depth of Boring	19.83'	
DTGW	~ 9.4'	

SB8-17	12/29/1997	
Constituent	4' - 6'	8' - 10'
SVOCs	ND	ND
Depth of Boring	20.00'	
DTGW	~ 13.2'	

SB8-18	01/13/1998
Constituent	0' - 2'
SVOCs	-
BA	830
BAP	790
BBF	790
CRYS	910
FA	1300
PYR	1600
Depth of Boring	17.50'
DTGW	~ 8.0'

SB8-19	01/07/1998	
Constituent	2' - 4'	6' - 8'
SVOCs	-	ND
DBP	980	ND
Depth of Boring	11.50'	
DTGW	~ 10.9'	

SB8-20	01/21/1998
Constituent	2' - 4'
SVOCs	ND
Depth of Boring	19.50'
DTGW	~ 9.2'

SB8-21	12/29/1997	
Constituent	4' - 6'	8' - 10'
SVOCs	ND	-
DNOP	ND	1300
Depth of Boring	16.00'	
DTGW	~ 8.2'	

SB8-22	01/07/1998	
Constituent	2' - 4'	8' - 10'
SVOCs	-	ND
BA	990	ND
BAP	770	ND
BBF	1000	ND
CRYS	1000	ND
FA	1600	ND
PHN	730	ND
PYR	1500	ND
Depth of Boring	16.00'	
DTGW	~ 10.2'	

SB8-24	01/13/1998
Constituent	0' - 2'
SVOCs	-
ACNE	1100
ANTH	2500
BA	9000 J11
BAP	6000
BBF	6400
BGP	2300
BKF	2500
DEHP	1500
CRYS	7500 J11
DBA	1000
FA	13000 J11
FLE	2100
IP	3600
PHN	13000 J11
PYR	15000 J11
Depth of Boring	16.00'
DTGW	~ 7.6'

SB8-25	01/20/1998
Constituent	0' - 2'
SVOCs	ND
Depth of Boring	11.00'
DTGW	~ 9.2'

SB8-26	01/20/1998
Constituent	0' - 2'
SVOCs	ND
Depth of Boring	16.00'
DTGW	~ 9.0'

SB8-27	01/26/1998
Constituent	1.6' - 4.0'
SVOCs	-
BA	2800
BAP	2000 I
BBF	1900 I
BGP	1200 I
BKF	1600 I
CRYS	2900
FA	5100
IP	1200 I
PHN	3600
PYR	6800 J11
Depth of Boring	16.00'
DTGW	~ 8.8'

SB8-28	03/25/1998		
Constituent	0' - 2'	4' - 6'	8' - 10'
SVOCs	-	ND	ND
FA	940	ND	ND
PYR	1100	ND	ND
Depth of Boring	16.00'		
DTGW	~ 10.2'		

SB8-29	03/25/1998	
Constituent	2' - 4'	6' - 8'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 11.0'	

SB9-1	01/15/1997
Constituent	0' - 2'
SVOCs	-
BA	1200
BAP	970
BBF	1300
BGP	480
BKF	600
CRYS	1200
FA	1800
IP	540
PHN	600
PYR	2300
Depth of Boring	7.00'
DTGW	~ 6.0'

SB9-2	01/15/1997
Constituent	6' - 8'
SVOCs	ND
Depth of Boring	9.00'
DTGW	~ 6.3'

SB9-3	01/14/1997
Constituent	0' - 2'
SVOCs	-
FA	600
PYR	530
Depth of Boring	9.00'
DTGW	~ 5.2'

SB9-4	01/14/1997
Constituent	2' - 4'
SVOCs	ND
Depth of Boring	11.90'
DTGW	~ 9.2'

SB9-5	01/15/1997
Constituent	2' - 4'
SVOCs	-
BA	920
BAP	720
BBF	880
BGP	450
BKF	440
CRYS	1200
FA	1200
IP	430
PHN	720
PYR	1600
Depth of Boring	11.50'
DTGW	~ 6.2'

SB9-6	02/02/1998	
Constituent	0' - 2'	6' - 8'
SVOCs	-	ND
ANTH	1500	ND
BA	6000	ND
BAP	3900	ND
BBF	5600	ND
BGP	3600	ND
BKF	2100	ND
CRYS	3800	ND
DBA	1400	ND
FA	8000 J11	ND
IP	3600	ND
PHN	6200	ND
PYR	6900 J11	ND
Depth of Boring	8.00'	
DTGW	~ 7.0'	

SB9-7	02/02/1998		
Constituent	2' - 4'	4' - 6'	6' - 8'
SVOCs	-	ND	ND
ACNE	1100	ND	ND
ANTH	2500	ND	ND
BA	5900	ND	ND
BAP	3700	ND	ND
BBF	4100	ND	ND
BGP	2100	ND	ND
BKF	1900	ND	ND
CRYS	5200	ND	ND
DBA	950	ND	ND
FA	10000 J11	ND	ND
FLE	2300	ND	ND
IP	2100	ND	ND
PHN	12000 J11	ND	ND
PYR	8700 J11	ND	ND
Depth of Boring	8.00'		
DTGW	~ 7.0'		

SB9-8	02/02/1998	
Constituent	2' - 4'	6' - 8'
SVOCs	ND	ND
Depth of Boring	8.00'	
DTGW	~ 6.8'	

SB9-9	02/02/1998		
Constituent	0' - 2'	2' - 4'	6' - 8'
SVOCs	ND	ND	ND
Depth of Boring	8.00'		
DTGW	~ 5.6'		

SB9-10	02/02/1998	
Constituent	2' - 4'	6' - 8'
SVOCs	ND	ND
Depth of Boring	8.00'	
DTGW	~ 5.8'	

SB9-11	02/02/1998		
Constituent	2' - 4'	4' - 6'	6' - 8'
SVOCs	ND	-	-
BA	ND	930	ND
BAP	ND	790	ND
BBF	ND	800	ND
CRYS	ND	950	ND
FA	ND	2600	1100
FLE	ND	760	ND
PHN	ND	3100	ND
PYR	ND	1700	850
Depth of Boring	8.00'		
DTGW	~ 7.5'		

SB9-12	02/02/1998		
Constituent	0' - 2'	4' - 6'	6' - 8'
SVOCs	-	ND	ND
FA	1200	ND	ND
PHN	770	ND	ND
PYR	910	ND	ND
Depth of Boring	8.00'		
DTGW	~ 6.2'		

SB9-13	02/02/1998	
Constituent	0' - 2'	2' - 4'
SVOCs	ND	ND
Depth of Boring	4.00'	
DTGW	~ 5.5'	

SB9-14	02/02/1998	
Constituent	2' - 4'	6' - 8'
SVOCs	ND	ND
Depth of Boring	8.00'	
DTGW	~ 8.9"	

SB9-15	02/04/1998	
Constituent	0' - 4'	5.7' - 8'
SVOCs	-	ND
ACN	980	ND
ANTH	3600	ND
BA	18000 J11	ND
BAP	8300 J11	ND
BBF	13000 J11	ND
BGP	4700	ND
BKF	3000	ND
CRYS	9100 J11	ND
DBA	1200	ND
FA	20000 J11	ND
FLE	1700	ND
IP	5800	ND
PHN	12000 J11	ND
PYR	15000 J11	ND
Depth of Boring	9.00'	
DTGW	~ 9.0'	

SB9-16	02/02/1998	
Constituent	2' - 4'	6' - 8'
SVOCs	ND	ND
Depth of Boring	8.00'	
DTGW	~ 11.2"	

SB9-18	03/26/1998
Constituent	0' - 4'
SVOCs	-
ACNE	1900
ANTH	930
BA	9100 J11
BAP	5600
BBF	8200 J11
BGP	3600
BKF	2700
CRYS	8800 J11
DBA	1200
FA	7300
IP	2900
NAP	1700
PYR	12000 J11
Depth of Boring	6.50'
DTGW	~ 10.6'

SB10-1	01/03/1997
Constituent	6' - 7.5'
SVOCs	ND
Depth of Boring	7.50'
DTGW	~ 9.1'

SB10-2	01/06/1997	
Constituent	2' - 4'	6' - 8'
SVOCs	ND	ND
Depth of Boring	9.50'	
DTGW	~ 8.7'	

SB10-3	01/06/1997
Constituent	0' - 2'
SVOCs	-
BA	1400
BAP	1400
BBF	1700
BGP	700
BKF	1100
CRYS	1400
FA	1800
IP	780
PHN	560
PYR	2500
Depth of Boring	9.00'
DTGW	~ 8.8'

SB10-4	01/02/1997
Constituent	4' - 6'
SVOCs	ND
Depth of Boring	16.00'
DTGW	~ 9.3'

SB10-5	01/06/1997
Constituent	2' - 4'
SVOCs	-
BA	580
BAP	580
BBF	530
BKF	450
CRYS	640
FA	950
IP	380
PHN	550
PYR	1300
Depth of Boring	12.50'
DTGW	~ 7.9'

SB10-6	01/03/1997
Constituent	0' - 2'
SVOCs	-
ANTH	510
BA	2200
BAP	2100
BBF	2600
BGP	1300
BKF	1000
CRYS	2100
DBA	430
FA	4600
IP	1500
PHN	2000
PYR	4400
Depth of Boring	7.00'
DTGW	~ 8.4'

SB10-7	01/02/1997
Constituent	2' - 4'
SVOCs	-
ACN	4800
ACNE	8700
ANTH	14000
BA	21000
BAP	15000
BBF	12000
BGP	6300
BKF	6500
CRYS	22000
DBA	2800
FA	46000
FLE	20000
IP	6800
NAP	18000
PHN	87000 J11
PYR	54000
Depth of Boring	8.00'
DTGW	~ 7.9

SB10-8	01/03/1997
Constituent	4' - 5'
SVOCs	ND
Depth of Boring	5.00'
DTGW	~ 8.8

SBA-1	01/15/1997
Constituent	0' - 2'
SVOCs	-
BA	690
BAP	500
BBF	550
CRYS	760
FA	740
PHN	510
PYR	1200
Depth of Boring	8.00'
DTGW	~ 9.4

SBA-2	01/13/1997
Constituent	2' - 4'
SVOCs	-
BBF	420
CRYS	450
FA	530
PYR	420
Depth of Boring	11.90'
DTGW	~ 10.4

SBA-3	01/10/1997
Constituent	2' - 4'
SVOCs	ND
Depth of Boring	12.50'
DTGW	~ 8.0'

SBA-4	01/27/1998	
Constituent	0' - 1.7'	12' - 13'
SVOCs	-	ND
BA	5000	ND
BAP	4800	ND
BBF	4500	ND
BGP	3200	ND
BKF	3200	ND
CRYS	5600	ND
FA	10000	ND
IP	3100	ND
PHN	5300	ND
PYR	6800	ND
Depth of Boring	13.00'	
DTGW	~ 10.8'	

SBA-5	01/20/1998	
Constituent	2' - 4'	8' - 10'
SVOCs	-	ND
DEHP	1600	ND
Depth of Boring	16.00'	
DTGW	~ 9.0'	

SBA-6	02/03/1998	
Constituent	4' - 6'	8' - 10'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 8.9'	

SBA-7	02/03/1998	
Constituent	4' - 6.8'	8' - 10.1'
SVOCs	-	ND
FA	780	ND
Depth of Boring	15.00'	
DTGW	~ 8.7'	

SBA-8	02/03/1998	
Constituent	2' - 4'	6' - 8'
SVOCs	ND	ND
Depth of Boring	16.00'	
DTGW	~ 10.1'	

SBA-9	02/04/1998	
Constituent	1.5' - 4'	6' - 8'
SVOCs	-	ND
FA	970	ND
PHN	860	ND
Depth of Boring	12.00'	
DTGW	~ 8.9'	

SBA-10	01/30/1998	
Constituent	2' - 4'	6' - 8'
SVOCs	-	ND
DEHP	1800	ND
Depth of Boring	10.00'	
DTGW	~ 9.1'	

SBA-11	01/30/1998		
Constituent	2' - 4'	4' - 6'	6' - 8'
SVOCs	ND	-	-
DEHP	ND	1700	1500
Depth of Boring	12.00'		
DTGW	~ 9.2'		

SBD-1	02/03/1998
Constituent	3' - 3.5'
SVOCs	ND
Depth of Boring	3.50'
DTGW	~ 8.1'

SBD-2	02/03/1998
Constituent	2' - 2.5'
SVOCs	ND
Depth of Boring	2.50'
DTGW	~ 9.4'

SBMW-14-1	12/30/1997
Constituent	6' - 8'
SVOCs	ND
Depth of Boring	15.75'
DTGW	~ 11.2

SBMW-16-1	01/14/1998
Constituent	0.08' - 0.42'
SVOCs	-
BA	1800
BAP	1400
BBF	1600
BKF	910
CRYS	1400
FA	1800
IP	740
PYR	2300
Depth of Boring	10.00'
DTGW	~ 8.7'

SBMW-20-1	
Constituent	2'-4'
SVOC	
ACN	2000
ANTH	4700
BA	21000 J
BAP	12000
BBF	14000
BGP	7400
BKF	8800
CRYS	16000 J11
DBA	3400
FA	26000 J11
FLE	2000
IP	8300
PHN	20000 J11
PYR	39000 J11
Depth of Boring	8.50'
DTGW	~ 7.8'

SBSC-4 (02/03/1998)		
Constituent	8'-10'	13.8'-16'
SVOC	ND	ND
Depth of Boring	8.50'	
DTGW	~ 10.4'	

SBSC-5 (02/04/1998)		
Constituent	8'-10'	13.8'-16'
SVOC	ND	ND
Depth of Boring	8.50'	
DTGW	~ 7.5'	

SP-1 (10/27/1998)	
Constituent	
SVOC	ND

SP-2 (10/27/1998)	
Constituent	
SVOC	ND

SS-7 (12/18/1997)	
Constituent	0.13'-0.38'
SVOC	
BA	1000
BAP	960
BBF	1100
CRYS	1100
FA	1500
PHN	780
PYR	2100
Depth of Boring	0.38'

SS-8 (12/18/1997)	
Constituent	0.13'-0.38'
SVOC	
BA	1700
BAP	1900
BBF	1700
BGP	1200
BKF	1200
CRYS	1900
FA	2300
IP	1100
PHN	830
PYR	3100
Depth of Boring	0.38'

PIPE-1	
Constituent	0-0.25'
SVOC	
ACN	103
ACNE	1880
ANTH	1100
BA	7480
BAP	6740
BBF	5850
BGP	1280
BKF	6530
DEHP	334 J
CRYS	8640
DBA	562
FA	9150
FLE	128 J
IP	1410
NAP	247 J
PHN	2100
PYR	10400
DBP	ND
Depth of Boring	0.25'

BB-01 (05/12/2005)		
Constituent	2'-4'	14'-16'
SVOC		
CRYS	68 J	
FA	104 J	
PYR	89 J	ND
Depth of Boring	16'	

BB-02 (05/12/2005)		
Constituent	2'-4'	10'-12'
SVOC		
ACN	ND	ND
ACNE	283	ND
ANTH	193 J	ND
BA	699	ND
BAP	723	ND
BBF	653	ND
BGP	409	ND
BKF	425	ND
DEHP	ND	ND
CRYS	807	ND
DBA	169 J	ND
FA	1260	ND
FLE	88 J	ND
IP	354	ND
NAP	78 J	ND
PHN	547	ND
PYR	1130	ND
Depth of Boring	16'	

BB-03 (05/11/2005)		
Constituent	4'-6'	14'-16'
SVOC	ND	ND
Depth of Boring	16'	

BB-04 (05/11/2005)		
Constituent	2'-4'	14'-16'
SVOC		
ACNE	ND	80 J
ANTH	ND	76 J
BA	ND	273 J
BAP	ND	261 J
BBF	ND	232 J
BGP	ND	161 J
BKF	ND	200 J
CRYS	ND	327
FA	ND	526
IP	ND	126 J
PHN	ND	274 J
PYR	ND	602
Depth of Boring	16'	

BB-05 (05/11/2005)		
Constituent	2'-4'	10'-12'
SVOC		
FA	66 J	ND
PHN	81 J	ND
Depth of Boring	12.4'	

BB-06 (05/11/2005)		
Constituent	4'-6'	10'-12'
SVOC	ND	ND
Depth of Boring	13.5'	

BB-07 (05/11/2005)		
Constituent	2'-4'	8'-10'
SVOC		
ACNE	211 J	ND
ANTH	150 J	ND
BA	663	ND
BAP	434	ND
BBF	562	ND
BGP	271 J	ND
BKF	368	ND
CRYS	1270	ND
DBA	135 J	ND
FA	958	ND
IP	196 J	ND
NAP	882	ND
PHN	1910	ND
PYR	1210	ND
Depth of Boring	15.3'	

BB-08 (05/11/2005)		
Constituent	4'-6'	12'-14'
SVOC		
ACNE	320	ND
ANTH	194 J	ND
BA	1120	ND
BAP	1020	ND
BBF	1010	ND
BGP	552	ND
BKF	859	ND
CRYS	1310	ND
DBA	210 J	ND
FA	1720	ND
IP	478	ND
NAP	333	ND
PHN	435	ND
PYR	1700	ND
Depth of Boring	15'	

BB-09 (05/11/2005)		
Constituent	4'-6'	10'-12'
SVOC		
BA	123 J	ND
BAP	109 J	ND
BBF	93 J	ND
BGP	78 J	ND
BKF	100 J	ND
CRYS	225 J	ND
FA	268 J	ND
NAP	76 J	ND
PHN	245 J	ND
PYR	313 J	ND
Depth of Boring	16'	

BB-10 (05/11/2005)		
Constituent	2'-4'	8'-10'
SVOC	ND	ND
Depth of Boring	14'	

BB-11 (05/11/2005)		
Constituent	2'-4'	14'-16'
SVOC	ND	ND
Depth of Boring	16'	

BB-12 (05/12/2005)		
Constituent	4'-6'	12'-14'
SVOC		
ACNE	373	ND
ANTH	205 J	ND
BA	659	ND
BAP	746	ND
BBF	841	ND
BGP	470	ND
BKF	351	ND
CRYS	950	ND
DBA	187 J	ND
FA	921	108 J
IP	394	ND
NAP	351	ND
PHN	573	64 J
PYR	950	108 J
Depth of Boring	16'	

BB-13 (05/12/2005)		
Constituent	2'-4'	10'-12'
SVOC		
ACN	89 J	ND
ACNE	873	ND
ANTH	549	ND
BA	1800	ND
BAP	1940	ND
BBF	2030	ND
BGP	1040	ND
BKF	1390	ND
CRYS	2030	ND
DBA	355	ND
FA	2650	ND
FLE	282	ND
IP	885	ND
NAP	270	ND
PHN	1050	ND
PYR	2800	ND
Depth of Boring	16'	

BB-14 (05/12/2005)		
Constituent	4'-6'	10'-12'
SVOC		
ACNE	476	ND
ANTH	358	ND
BA	1330	ND
BAP	1200	ND
BBF	1150	ND
BGP	619	ND
BKF	966	ND
CRYS	1510	ND
DBA	257 J	ND
FA	2320	ND
IP	549	ND
NAP	109 J	ND
PHN	843	ND
PYR	2410	ND
Depth of Boring	16'	

BB-15 (05/12/2005)		
Constituent	2'-4'	10'-12'
SVOC	ND	ND
Depth of Boring	12'	

BB-16 (05/12/2005)		
Constituent	2'-4'	12'-14'
SVOC		
ACNE	56 J	ND
ANTH	41 J	ND
BA	160 J	ND
BAP	230 J	ND
BBF	175 J	ND
BGP	115 J	ND
BKF	156 J	ND
CRYS	209 J	ND
FA	272 J	ND
IP	103 J	ND
PHN	178 J	ND
PYR	318 J	ND
Depth of Boring	16'	

BB-17 (05/11/2005)		
Constituent	4'-6'	12'-14'
SVOC		
ACNE	414	ND
ANTH	181 J	ND
BA	329	ND
BAP	1710	ND
BBF	1320	ND
BGP	372	ND
BKF	944	ND
CRYS	487	ND
DBA	122 J	ND
FA	472	ND
IP	408	ND
PYR	937	ND
Depth of Boring	16'	

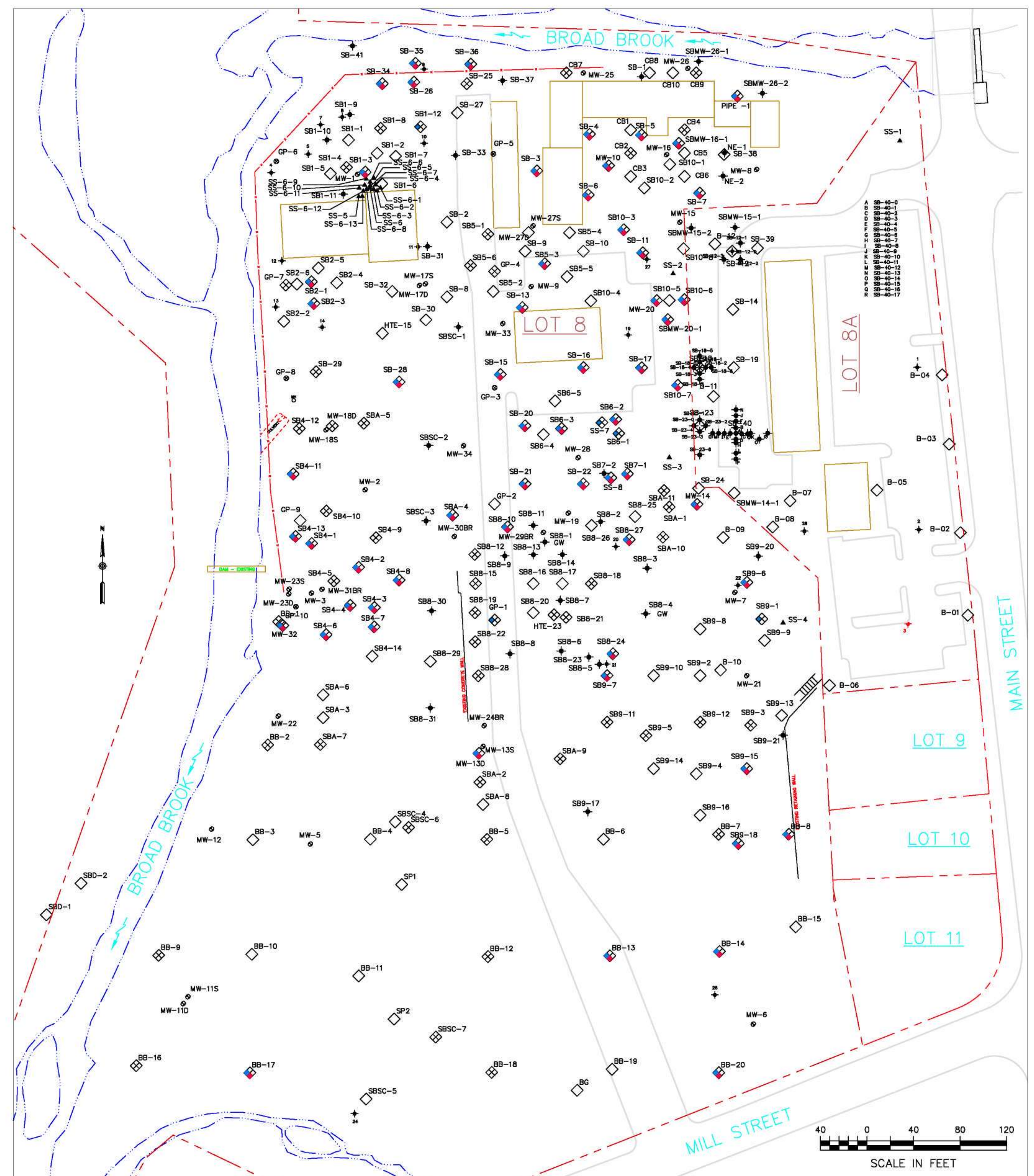
BB-18 (05/12/2005)		
Constituent	2'-4'	12'-14'
SVOC		
BA	84 J	118 J
BAP	72 J	128 J
BGP	ND	73 J
CRYS	97 J	154 J
FA	127 J	226 J
IP	ND	64 J
PHN	67 J	104 J
PYR	129 J	209 J
Depth of Boring	16'	

BB-19 (05/11/2005)	
Constituent	2'-4'
SVOC	ND
Depth of Boring	8.3'

BB-20 (05/12/2005)		
Constituent	4'-6'	10'-12'
SVOC		
ACNE	12800	ND
ANTH	23900	ND
BA	45,100	ND
BAP	30,400	ND
BBF	36,200	ND
BGP	16600	ND
BKF	17,200	ND
CRYS	42200	ND
DBA	7150	ND
FA	93900	ND
FLE	30900	ND
IP	14,400	ND
NAP	26700	ND
PHN	90200	ND
PYR	77700	ND
Depth of Boring	16'	

SBSC-6 (05/11/2005)			
Constituent	2'-4'	4'-6'	12'-14'
SVOC			
ANTH	ND	77 J	ND
BA	ND	245 J	ND
BAP	ND	237 J	ND
BBF	ND	203 J	ND
BGP	ND	152 J	ND
BKF	ND	186 J	ND
CRYS	ND	261 J	ND
DBA	ND	60 J	ND
FA	103	540	ND
IP	ND	134 J	ND
PHN	ND	248 J	ND
PYR	75	415	ND
Depth of Boring	16'		

SBSC-7 (05/11/2005)	
Constituent	14'-16'
SVOC	
ACNE	90 J
ANTH	66 J
BA	288 J
BAP	276 J
BBF	207
BGP	136 J
BKF	198 J
CRYS	370
DBA	98 J
FA	575
IP	127 J
PHN	335 J
PYR	603
Depth of Boring	



DATA BLOCK LEGEND

LOCATION IDENTIFIER — ET-SB-06

ET-SB-06	11/06/1997		
Constituent	0' - 2'	2' - 4'	4' - 6'
METALs	-		
As	2.4		
Pb	15.8 J		
Physical Analyses			
TPH			900
VOCs			ND
VOCs (screening)	ND	ND	ND
Depth of Boring	10.00'		
DTGW	~ 12.00'		

- SAMPLE DATE
- SAMPLE DEPTH
- BLANK CELL INDICATES NO ANALYSIS CONDUCTED
- "J" IS A CONSTITUENT CONCENTRATION QUALIFIER
- DASH INDICATES DETECT(S) IN CONSTITUENT GROUP
- ITALICIZED AND RED (COLORED DRAWINGS) CONSTITUENT CONCENTRATION INDICATES AN EXCEEDANCES OF A CT RSR CRITERIA.

NOTES:

THE RESPECTIVE UNITS FOR SOILS IN WHICH QUANTIFIABLE CONCENTRATIONS ARE DETECTED ARE AS FOLLOWS: SVOCs,– MICROGRAMS PER KILOGRAM (ug/kg).

LEGEND

- MONITORING WELL (MW) (NOT ANALYZED)
- SOIL BORING (SB) (NOT ANALYZED)
- SAMPLE W/ DETECT BUT NO EXCEEDANCES
- SAMPLE ANALYZED BUT NO DETECTS
- SCREEN POINT (GP) (NOT ANALYZED)
- SEDIMENT SURFACE WATER SAMPLE (SD, SL, SW)
- SHALLOW SOIL SAMPLE (NOT ANALYZED)

SOIL EXCEEDANCES

RESIDENTIAL DIRECT EXPOSURE CRITERIA (RDEC)
INDUSTRIAL DIRECT EXPOSURE CRITERIA (IDEC)

PMC exceedances are not considered due to the polluted fill exemption being applied at the Site

ABBREVIATIONS

SVOCs

ANTH	Anthracene
ACN	Acenaphthene
ACNE	Acenaphthylene
BA	Benzo[a]anthracene
BAP	Benzo[a]pyrene
BBF	Benzo[b]fluoranthene
BGP	Benzo[ghi]perylene
BKF	Benzo[k]fluoranthene
DEHP	Bis(2ethylhexyl)phthalate
DNOP	Di-n-octyl phthalate
BBP	Butyl benzyl phthalate
CRYS	Chrysene
DBA	Dibenzo[a,h]anthracene
DBP	Di-n-butyl phthalate
FA	Fluoranthene
FLE	Fluorene
IP	Indeno(1,2,3-cd)pyrene
NAP	Naphthalene
PHN	Phenanthrene
PYR	Pyrene
124TCB	Trichlorobenzene, 1,2,4-

CONSTITUENT CONCENTRATION QUALIFIERS

ND NONE DETECTED; LESS THAN DETECTION LIMIT
NA COMPOUND NOT ANALYZED
J ESTIMATED VALUE. COMPOUND PRESENT AT A CONCENTRATION BELOW THE METHOD DETECTION LIMIT
J11 ESTIMATED VALUE. CONCENTRATION ABOVE CALIBRATION RANGE.
I ESTIMATED VALUE. INTERNAL STANDARD OUTSIDE OF CONTROL LIMITS.
U NONE DETECTED: QUALIFIED DUE TO PRESENCE OF COMPOUND IN THE BLANK.

REFERENCE NOTES:

EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED "GRADING PLAN" – MILLBROOK – SECTION III – PHASES 5,6 – PROPERTY OF CJP INCORPORATED" BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990.

LOCATIONS OF ALL MONITORING WELLS AND SOIL BORINGS AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998.

LOCATIONS OF SOIL BORINGS PERFORMED BY EMG, HTE, AND THE DEP ARE APPROXIMATE BASED ON AVAILABLE INFORMATION.

NOTES:

1. SAMPLES WERE COLLECTED AT TWO FOOT INTERVALS TO THE BOTTOM OF THE BORING.
2. THE RESULTS FROM ALL ANALYSES CONDUCTED ON SAMPLES FROM A PARTICULAR LOCATION ARE SHOWN ON THE MAP.
3. APPROXIMATE DEPTH TO GROUNDWATER IS GIVEN TO DETERMINE APPLICABILITY TO THE CT RSR POLLUTANT MOBILITY CRITERIA. IN A GA AREA, THE APPROXIMATE SEASONAL LOW GROUNDWATER LEVEL IS GIVEN.
4. DUPLICATE SAMPLE DATA ARE SEPARATED BY A COMMA WITHIN THE SAMPLING INTERVAL WHERE THE DUPLICATION OCCURS.
5. FIGURE ADOPTED FROM LEA REPORT FIGURE 8 – SVOCs IN SOIL (887016-4)

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN	TITLE: SVOCs IN SOIL — BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT No.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 10
CHECKED BY: JP	REV. B
PROJ. MGMT. APPROVAL: MM	

B01	10/20/1995
Constituent	14' – 16'
Physical Analyses	ND
TPH	ND
Depth of Boring	16.00'

B02	10/20/1995
Constituent	12' – 14'
Physical Analyses	ND
TPH	ND
Depth of Boring	14.00'

B03	10/20/1995
Constituent	4' – 6'
Physical Analyses	ND
TPH	ND
Depth of Boring	14.00'

B04	10/20/1995
Constituent	10' – 12'
Physical Analyses	ND
TPH	ND
Depth of Boring	12.00'

B05	10/20/1995
Constituent	8' – 10'
Physical Analyses	ND
TPH	ND
Depth of Boring	10.00'

B06	10/20/1995
Constituent	14' – 16'
Physical Analyses	ND
TPH	ND
Depth of Boring	16.00'

B07	10/20/1995
Constituent	4' – 6'
Physical Analyses	ND
TPH	ND
Depth of Boring	6.00'

B08	10/20/1995
Constituent	12' – 14'
Physical Analyses	ND
TPH	ND
Depth of Boring	14.00'

B09	10/20/1995
Constituent	8' – 10'
Physical Analyses	ND
TPH	ND
Depth of Boring	10.00'

B10	10/21/1995
Constituent	4' – 6'
Physical Analyses	ND
TPH	ND
Depth of Boring	10.00'

B11	10/21/1995
Constituent	4' – 6'
Physical Analyses	ND
TPH	ND
Depth of Boring	10.00'

B12	10/21/1995
Constituent	10' – 12'
Physical Analyses	ND
TPH	ND
Depth of Boring	12.00'

GP–1	10/29/1996
Constituent	6' – 8'
Physical Analyses	–
TPH	47.8
Depth of Boring	12.00'
DTGW	~ 10.0'

GP–2	10/29/1996
Constituent	2' – 4'
Physical Analyses	ND
TPH	ND
Depth of Boring	12.00'
DTGW	~ 10.5'

GP–4	10/29/1996
Constituent	6' – 8'
Physical Analyses	ND
TPH	ND
Depth of Boring	9.00'
DTGW	~ 9.5'

GP–7	10/30/1996
Constituent	2' – 4'
Physical Analyses	–
TPH	58.8
Depth of Boring	12.00'
DTGW	~ 8.2'

GP–9	10/30/1996
Constituent	4' – 6'
Physical Analyses	ND
TPH	ND
Depth of Boring	10.00'
DTGW	~ 9.0'

HTE–11	08/31/1993
Constituent	8' – 10'
Physical Analyses	ND
TPH	ND
Depth of Boring	10.00'

HTE–12	08/31/1993
Constituent	4' – 6'
Physical Analyses	ND
TPH	ND
Depth of Boring	6.00'

HTE–23	08/31/1993
Constituent	5' – 7'
Physical Analyses	ND
TPH	ND
Depth of Boring	7.00'

HTE–26	08/31/1993
Constituent	10' – 12'
Physical Analyses	ND
TPH	ND
Depth of Boring	12.00'

HTE–27	08/31/1993
Constituent	4' – 6'
Physical Analyses	ND
TPH	ND
Depth of Boring	6.00'

MW–10	01/03/1997
Constituent	2' – 4'
Physical Analyses	–
TPH	156
Depth of Boring	17.00'
DTGW	~ 8.5'

MW–14	12/31/1997
Constituent	2' – 4'
Physical Analyses	ND
TPH	ND
Depth of Boring	15.50'
DTGW	~ 10.2'

MW–17D	01/05/1998	
Constituent	4' – 5.75'	10' – 12'
Physical Analyses	ND	–
TPH	ND	*5170*
Depth of Boring	37.50'	
DTGW	~ 8.6'	

MW–18D	01/14/1998	
Constituent	4' – 6'	8' – 10'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	29.60'	
DTGW	~ 9.7'	

MW–20	01/20/1998	
Constituent	0' – 2'	4' – 6'
Physical Analyses	–	–
TPH	92.4	126
Depth of Boring	25.50'	
DTGW	~ 8.2'	

MW–27D	01/13/1998	
Constituent	6' – 8'	10' – 12'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	21.00'	
DTGW	~ 10.0'	

MW–28	12/31/1997	
Constituent	6' – 8'	12' – 14'
Physical Analyses	–	ND
TPH	127	ND
Depth of Boring	17.00'	
DTGW	~ 9.9'	

MW–32	03/23/1998			
Constituent	0' – 2'	6' – 8'	12' – 14'	14' – 16'
Physical Analyses	–,ND	ND	ND	ND
TPH	118,ND	ND	ND	ND
Depth of Boring	16.00'			
DTGW	~ 9.2'			

MW–33	03/23/1998			
Constituent	6' – 8'	8' – 10'	10' – 12'	12' – 14'
Physical Analyses	ND	–	–	ND
TPH	ND	98.2	106	ND
Depth of Boring	16.00'			
DTGW	~ 9.7'			

SB–2	01/23/1998	
Constituent	6' – 8'	12' – 14'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	16.00'	
DTGW	~ 9.1'	

SB–3	01/14/1998	
Constituent	0' – 2'	4' – 6'
Physical Analyses	–	ND
TPH	53.2	ND
Depth of Boring	16.00'	
DTGW	~ 9.4'	

SB–4	01/28/1998		
Constituent	0' – 2'	4' – 6'	10' – 12'
Physical Analyses	ND	ND	ND
TPH	ND	ND	ND
Depth of Boring	12.00'		
DTGW	~ 8.7'		

SB–5	01/28/1998	
Constituent	2' – 4'	6' – 8'
Physical Analyses	–	ND
TPH	369	ND
Depth of Boring	11.50'	
DTGW	~ 9.4'	

SB–6	01/28/1998	
Constituent	2' – 4'	6' – 8'
Physical Analyses	–	ND
TPH	110	ND
Depth of Boring	16.00'	
DTGW	~ 8.3'	

SB–7	02/04/1998	
Constituent	0' – 2'	6' – 8'
Physical Analyses	–	ND
TPH	136	ND
Depth of Boring	10.00'	
DTGW	~ 8.5'	

SB–8	01/27/1998		
Constituent	2' – 4'	10.9' – 12'	12' – 12.5'
Physical Analyses	ND	ND	ND
TPH	ND	ND	ND
Depth of Boring	12.50'		
DTGW	~ 9.8'		

SB–9	01/28/1998		
Constituent	2' – 4'	4' – 8'	10' – 12'
Physical Analyses	–	–	ND
TPH	330	346	ND
Depth of Boring	16.00'		
DTGW	~ 10.0'		

SB–10	01/30/1998
Constituent	2' – 4'
Physical Analyses	ND
TPH	ND
Depth of Boring	14.00'
DTGW	~ 9.9'

SB–11	01/30/1998	
Constituent	0' – 2'	4' – 6'
Physical Analyses	–	–
TPH	61.2	347
Depth of Boring	12.00'	
DTGW	~ 8.6'	

SB–12	10/30/1997
Constituent	0' – 2'
Physical Analyses	–
TPH	*1200*
Depth of Boring	4.50'
DTGW	~ 13.0'

SB–13	01/28/1998			
Constituent	2' – 4'	8' – 12'	12' – 14'	14' – 16'
Physical Analyses	–	–	ND	ND
TPH	59.0	*14800*	ND	ND
Depth of Boring	16.00'			
DTGW	~ 10.2'			

SB–15	01/27/1998		
Constituent	2' – 4'	4' – 6'	8' – 11.0'
Physical Analyses	–	–	ND
TPH	167	113	ND
Depth of Boring	16.00'		
DTGW	~ 9.4'		

SB–16	01/27/1998	
Constituent	2' – 4'	8' – 10'
Physical Analyses	–	–
TPH	*685*	192
Depth of Boring	16.00'	
DTGW	~ 9.1'	

SB–17	01/27/1998	
Constituent	2' – 4'	12' – 14'
Physical Analyses	ND	–
TPH	ND	*1230*
Depth of Boring	16.00'	
DTGW	~ 7.8'	

SB–18	10/30/1997	
Constituent	4' – 6'	10' – 12'
Physical Analyses	–	–
TPH	138	58.7
Depth of Boring	16.00'	
DTGW	~ 10.2'	

SB–20	01/26/1998
Constituent	6' – 8'
Physical Analyses	–
TPH	51.0
Depth of Boring	16.00'
DTGW	~ 10.0'

SB–21	01/26/1998	
Constituent	6' – 8'	12' – 14'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	16.00'	
DTGW	~ 10.2'	

SB–22	01/26/1998	
Constituent	2' – 4'	6' – 8'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	16.00'	
DTGW	~ 9.5'	

SB–25	01/21/1998	
Constituent	0' – 2'	4' – 7.5'
Physical Analyses	–	ND
TPH	*1970*	ND
Depth of Boring	16.00'	
DTGW	~ 9.1'	

SB–26	01/23/1998	
Constituent	4' – 6'	8' – 10'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	16.00'	
DTGW	~ 8.5'	

SB–27	01/21/1998	
Constituent	4' – 6'	8' – 12'
Physical Analyses	–	ND
TPH	*1860*	ND
Depth of Boring	16.00'	
DTGW	~ 10.0'	

SB–30	03/24/1998		
Constituent	6' – 8'	10' – 12'	12' – 16'
Physical Analyses	ND	ND	ND
TPH	ND	ND	ND
Depth of Boring	16.00'		
DTGW	~ 8.6'		

SB–31	03/24/1998				
Constituent	4' – 6'	6' – 8.0'	8.0' – 10'	10' – 12'	12' – 14'
Physical Analyses	ND	–	–	ND	–
TPH	ND	*618*	158	ND	42.7
Depth of Boring	14.00'				
DTGW	~ 8.5'				

SB–32	03/24/1998		
Constituent	4' – 6'	6' – 8'	8' – 11.75'
Physical Analyses	–	ND	ND
TPH	91.8	ND	ND
Depth of Boring	11.75'		
DTGW	~ 8.8'		

SB–33	03/24/1998		
Constituent	2' – 4'	6' – 8'	8' – 10'
Physical Analyses	–	ND	ND
TPH	208	ND	ND
Depth of Boring	12.00'		
DTGW	~ 9.9'		

SB–34	03/24/1998			
Constituent	2' – 4'	4' – 8'	8' – 10'	10' – 12'
Physical Analyses	ND	–	–	ND
TPH	ND	*526*	135	ND
Depth of Boring	12.00'			
DTGW	~ 7.8'			

SB–35	03/24/1998		
Constituent	2' – 4'	4' – 6'	6' – 8'
Physical Analyses	ND	ND	–
TPH	ND	ND	*1240*
Depth of Boring	8.00'		
DTGW	~ 6.0'		

SB–36	03/24/1998	
Constituent	0' – 2'	2' – 4'
Physical Analyses	–	ND
TPH	120	ND
Depth of Boring	4.00'	
DTGW	~ 5.7'	

SB–37	03/24/1998		
Constituent	0' – 2'	2' – 4'	4' – 6'
Physical Analyses	–	ND	ND
TPH	272	ND	ND
Depth of Boring	8.00'		
DTGW	~ 8.3'		

SB–39	03/24/1998	
Constituent	0' – 2'	2' – 4'
Physical Analyses	–	–
TPH	63.8	359
Depth of Boring	4.00'	
DTGW	~ 12.5'	

SB–41	03/25/1998		
Constituent	2' – 4'	4' – 6'	6' – 8'
Physical Analyses	–	–	ND
TPH	56.0	64.0	ND
Depth of Boring	8.00'		
DTGW	~ 4.2'		

SB1–1	12/17/1996		
Constituent	4' – 6'	6' – 8'	12' – 14'
Physical Analyses	–	–	ND
TPH	149	152	ND
Depth of Boring	16.00'		
DTGW	~ 6.5'		

SB1–2	12/18/1996	
Constituent	4' – 6'	12' – 14'
Physical Analyses	–	ND
TPH	*2690*	ND
Depth of Boring	16.00'	
DTGW	~ 6.5'	

SB1–3	12/18/1996	
Constituent	4' – 6'	10' – 11.9'
Physical Analyses	–	–
TPH	262	*1600*
Depth of Boring	11.90'	
DTGW	~ 8.4'	

SB1–4	12/19/1996	
Constituent	4' – 6'	8' – 10'
Physical Analyses	–	–
TPH	143	*549*
Depth of Boring	12.30'	
DTGW	~ 9.0'	

SB1–5	12/19/1996	
Constituent	4' – 6'	12' – 14'
Physical Analyses	–	ND
TPH	45.4	ND
Depth of Boring	16.00'	
DTGW	~ 8.0'	

SB1–6	12/22/1997	
Constituent	4' – 6'	12' – 14'
Physical Analyses	–	ND
TPH	118	ND
Depth of Boring	16.00'	
DTGW	~ 6.8'	

SB1–7	12/22/1997	
Constituent	4' – 6'	10' – 12'
Physical Analyses	ND	–
TPH	ND	240
Depth of Boring	16.00'	
DTGW	~ 6.1'	

SB1–8	12/22/1997	
Constituent	4' – 6'	12' – 14'
Physical Analyses	–	–
TPH	*1840*	49.0
Depth of Boring	16.00'	
DTGW	~ 6.1'	

SB1–9	12/29/1997	
Constituent	4' – 6'	8' – 12'
Physical Analyses	–	ND
TPH	394	ND
Depth of Boring	16.00'	
DTGW	~ 6.6'	

SB1–10	12/29/1997	
Constituent	4' – 6'	14' – 16'
Physical Analyses	–	ND
TPH	195	ND
Depth of Boring	16.00'	
DTGW	~ 6.8'	

SB1–11	12/30/1997	
Constituent	4' – 6'	14' – 16'
Physical Analyses	–	ND
TPH	69.7	ND
Depth of Boring	16.00'	
DTGW	~ 7.0'	

SB1–12	03/24/1998		
Constituent	4' – 6'	6' – 8'	8' – 10'
Physical Analyses	–	ND	ND
TPH	131	ND	ND
Depth of Boring	12.00'		
DTGW	~ 6.5'		

SB10–1	01/03/1997
Constituent	6' – 7.5'
Physical Analyses	ND
TPH	ND
Depth of Boring	7.50'
DTGW	~ 9.1'

SB10–2	01/06/1997
Constituent	2' – 4'
Physical Analyses	ND
TPH	ND
Depth of Boring	9.50'
DTGW	~ 8.7'

SB10–3	01/06/1997
Constituent	0' – 2'
Physical Analyses	–
TPH	172
Depth of Boring	9.00'
DTGW	~ 8.8'

SB10–4	01/02/1997
Constituent	4' – 6'
Physical Analyses	–
TPH	144
Depth of Boring	16.00'
DTGW	~ 9.3'

SB10–5	01/06/1997
Constituent	2' – 4'
Physical Analyses	–
TPH	*531*
Depth of Boring	12.50'
DTGW	~ 7.9'

SB10–6	01/03/1997
Constituent	0' – 2'
Physical Analyses	–
TPH	167
Depth of Boring	7.00'
DTGW	~ 8.4'

SB10–7	01/02/1997
Constituent	2' – 4'
Physical Analyses	–
TPH	*583*
Depth of Boring	8.00'
DTGW	~ 7.9'

SB10–8	01/03/1997
Constituent	4' – 5'
Physical Analyses	ND
TPH	ND
Depth of Boring	5.00'
DTGW	~8.8'

SB2–1	12/20/1996	
Constituent	0' – 2'	4' – 6'
Physical Analyses	–	–
TPH	*2360*	*1050*
Depth of Boring	16.00'	
DTGW	~ 8.4'	

SB2–2	12/20/1996	
Constituent	2' – 4'	4' – 6'
Physical Analyses	–	–
TPH	201	127
Depth of Boring	16.00'	
DTGW	~ 8.2'	

SB2–3	12/30/1997	
Constituent	2' – 4'	8' – 10'
Physical Analyses	–	ND
TPH	55.4	ND
Depth of Boring	16.00'	
DTGW	~ 8.2'	

SB2–4	12/30/1997	
Constituent	2' – 4'	8' – 10'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	18.00'	
DTGW	~ 8.0'	

SB2–5	12/31/1997	
Constituent	2' – 4'	8' – 10'
Physical Analyses	ND	–
TPH	ND	58.0
Depth of Boring	16.00'	
DTGW	~ 7.8'	

SB2–6	12/31/1997	
Constituent	2' – 4'	8' – 10'
Physical Analyses	–	ND
TPH	378	ND
Depth of Boring	16.00'	
DTGW	~ 8.1'	

SB4–1	12/23/1996	
Constituent	0' – 2'	12' – 14'
Physical Analyses	–	ND
TPH	223	ND
Depth of Boring	14.00'	
DTGW	~ 9.0'	

SB4–2	12/23/1996			
Constituent	0' – 2'	2' – 4'	4' – 6'	6' – 8'
Physical Analyses	–	–	–	–
TPH	155	*7840*	*10100*	141
Depth of Boring	13.80'			
DTGW	~ 9.6'			

SB4–3	12/20/1996	
Constituent	0' – 2'	12' – 13.9'
Physical Analyses	–	–
TPH	95.3	*1160*
Depth of Boring	16.00'	
DTGW	~ 10.8'	

SB4–4	12/26/1996	
Constituent	0' – 2'	12' – 14'
Physical Analyses	–	–
TPH	348	*2240*
Depth of Boring	14.00'	
DTGW	~ 10.3'	

SB4–5	12/24/1996	
Constituent	0' – 2'	10' – 12'
Physical Analyses	–	ND
TPH	*10000*	ND
Depth of Boring	16.00'	
DTGW	~ 9.0'	

SB4–6	01/06/1998		
Constituent	0' – 2'	6' – 8'	12' – 15.5'
Physical Analyses	ND	ND	ND
TPH	ND	ND	ND
Depth of Boring	15.50'		
DTGW	~ 9.4'		

SB4–7	01/06/1998			
Constituent	0' – 2'	2' – 4'	6' – 8'	12' – 16'
Physical Analyses	ND	–	ND	ND
TPH	ND	*5160*	ND	ND
Depth of Boring	16.00'			
DTGW	~ 11.2'			

SB4–8	12/31/1997	
Constituent	4' – 6'	12' – 14'
Physical Analyses	–	–
TPH	188	*15900*
Depth of Boring	16.00'	
DTGW	~ 11.0'	

SB4–9	01/05/1998	
Constituent	0' – 2'	10' – 12'
Physical Analyses	–	–
TPH	99.9	82.9
Depth of Boring	16.00'	
DTGW	~ 10.0'	

SB4–10	01/05/1998	
Constituent	0' – 2'	8' – 10'
Physical Analyses	–	–
TPH	222	47.7
Depth of Boring	15.00'	
DTGW	~ 8.8'	

SB4–11	01/05/1998	
Constituent	0' – 2'	6' – 8'
Physical Analyses	–	–
TPH	423	241
Depth of Boring	16.00'	
DTGW	~ 8.4'	

SB4–12	01/20/1998	
Constituent	0' – 2'	6' – 8'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	16.00'	
DTGW	~ 8.4'	

SB4–13	01/05/1998		
Constituent	0' – 2'	4' – 6'	10' – 12'
Physical Analyses	–	ND	ND
TPH	302	ND	ND
Depth of Boring	12.00'		
DTGW	~ 8.4'		

SB4–14	03/25/1998		
Constituent	0' – 2'	2' – 4'	6' – 8'
Physical Analyses	–	ND	ND
TPH	169	ND	ND
Depth of Boring	16.00'		
DTGW	~ 11.3'		

SB5–1	12/30/1996	
Constituent	6' – 8'	8' – 10'
Physical Analyses	ND	–
TPH	ND	173
Depth of Boring	14.50'	
DTGW	~ 10.0'	

SB5–2	12/30/1996	
Constituent	8' – 10'	10' – 12'
Physical Analyses	–	–
TPH	223	*1380*
Depth of Boring	16.00'	
DTGW	~ 9.7'	

SB5–3	01/06/1997
Constituent	2' – 4'
Physical Analyses	–
TPH	*2960*
Depth of Boring	12.00'
DTGW	~ 10.1'

SB5–4	01/06/1997
Constituent	6' – 8'
Physical Analyses	ND
TPH	ND
Depth of Boring	16.00'
DTGW	~ 9.5'

SB5–5	01/03/1997
Constituent	8' – 10'
Physical Analyses	ND
TPH	ND
Depth of Boring	16.00'
DTGW	~ 10.0'

SB5–6	12/30/1996	
Constituent	2' – 4'	6' – 8'
Physical Analyses	–	ND
TPH	*1240*	ND
Depth of Boring	10.00'	
DTGW	~ 9.7'	

SB6–1	01/14/1997			
Constituent	4' – 6'	8' – 10'	10' – 12'	14' – 16'
Physical Analyses	–	–	–	ND
TPH	131	79.5	435	ND
Depth of Boring	16.00'			
DTGW	~ 9.5'			

SB6–2	01/13/1997	
Constituent	2' – 4'	10' – 12'
Physical Analyses	–	ND
TPH	124	ND
Depth of Boring	16.00'	
DTGW	~ 9.1'	

SB6–3	01/14/1997	
Constituent	2' – 4'	6' – 8'
Physical Analyses	–	ND
TPH	225	ND
Depth of Boring	12.00'	
DTGW	~ 9.7'	

SB6–4	01/14/1997	
Constituent	4' – 6'	6' – 8'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	14.00'	
DTGW	~ 9.9'	

SB6–5	01/13/1997	
Constituent	2' – 4'	8' – 10'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	16.00'	
DTGW	~ 9.6'	

SB7–1	01/15/1997				
Constituent	4' – 6'	6' – 8'	8' – 10'	10' – 12'	12' – 14'
Physical Analyses	–	–	–	ND	–
TPH	*619*	*506*	*1700*	ND	123
Depth of Boring	14.00'				
DTGW	~ 9.5'				

SB7–2	01/15/1997
Constituent	6' – 8'
Physical Analyses	–
TPH	437
Depth of Boring	12.50'
DTGW	~ 9.7'

SB8–1	12/31/1996
Constituent	14' – 16'
Physical Analyses	ND
TPH	ND
Depth of Boring	16.00'
DTGW	~ 9.5'

SB8–12	01/06/1998	
Constituent	8' – 10'	12' – 14'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	16.00'	
DTGW	~ 11.1'	

SB8–22	01/07/1998	
Constituent	6' – 8'	12' – 14'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	16.00'	
DTGW	~ 10.2'	

SB8–29	03/25/1998
Constituent	14' – 16'
Physical Analyses	–
TPH	*513*
Depth of Boring	16.00'
DTGW	~ 11.0'

SB8–30	03/25/1998		
Constituent	2' – 4'	4' – 8'	8' – 12'
Physical Analyses	–	–	–
TPH	*35000*	*19300*	*2030*
Depth of Boring	12.00'		
DTGW	~ 12.0'		

SB8–31	03/26/1998
Constituent	14' – 16'
Physical Analyses	–
TPH	59.2
Depth of Boring	16.00'
DTGW	~ 10.3'

SBA–1	01/15/1997	
Constituent	0' – 2'	2' – 3'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	8.00'	
DTGW	~ 9.4'	

SBA–2	01/13/1997	
Constituent	2' – 4'	4' – 6'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	11.90'	
DTGW	~ 10.4'	

SBA–3	01/10/1997	
Constituent	2' – 4'	
Physical Analyses	ND	
TPH	ND	
Depth of Boring	12.50'	
DTGW	~ 9.0'	

SBA–4	01/27/1998		
Constituent	0' – 1.7'	4' – 7.5'	12' – 13'
Physical Analyses	–	ND	ND
TPH	236	ND	ND
Depth of Boring	13.00'	13.00'	
DTGW	~ 10.8'		

SBA–5	01/20/1998	
Constituent	2' – 4'	8' – 10'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	16.00'	
DTGW	~ 9.0'	

SBA–7	02/03/1998		
Constituent	2' – 4'	4' – 6.8'	8' – 10.1'
Physical Analyses	–	–	ND
TPH	111	66.6	ND
Depth of Boring	15.00'		
DTGW	~ 8.7'		

SBA–8	02/03/1998	
Constituent	2' – 4'	6' – 8'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	16.00'	
DTGW	~ 10.1'	

SBA–9	02/04/1998	
Constituent	1.5' – 4'	6' – 8'
Physical Analyses	–	ND
TPH	256	ND
Depth of Boring	12.00'	
DTGW	~ 8.9'	

SBA–10	01/30/1998	
Constituent	2' – 4'	6' – 8'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	10.00'	
DTGW	~ 9.1'	

SBA–11	01/30/1998	
Constituent	2' – 4'	6' – 8'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	12.00'	
DTGW	~ 9.2'	

SBD–1	02/03/1998
Constituent	3' – 3.5'
Physical Analyses	ND
TPH	ND
Depth of Boring	3.50'
DTGW	~ 8.3'

SBD–2	02/03/1998
Constituent	2' – 2.5'
Physical Analyses	ND
TPH	ND
Depth of Boring	2.50'
DTGW	~ 9.4'

SBSC–1	01/09/1997
Constituent	4' – 6'
Physical Analyses	ND
TPH	ND
Depth of Boring	11.50'
DTGW	~ 9.8'

SBSC–2	01/09/1997
Constituent	10' – 12'
Physical Analyses	ND
TPH	ND
Depth of Boring	16.00'
DTGW	~ 10.2'

SBSC–3	01/09/1997
Constituent	8' – 10'
Physical Analyses	ND
TPH	ND
Depth of Boring	11.00'
DTGW	~ 10.5'

SBSC–4	02/03/1998	
Constituent	8' – 10'	13.6' – 16'
Physical Analyses	ND	–
TPH	ND	73.2
Depth of Boring	16.00'	
DTGW	~ 10.4'	

SBSC–5	02/04/1998	
Constituent	6' – 8'	12' – 16'
Physical Analyses	ND	ND
TPH	ND	ND
Depth of Boring	16.00'	
DTGW	~ 7.5'	

SS–5	12/18/1997
Constituent	0.13' – 0.38'
Physical Analyses	–
TPH	175
Depth of Boring	0.38'

SS–6	12/18/1997
Constituent	0.13' – 0.38'
Physical Analyses	–
TPH	204
Depth of Boring	1.50'

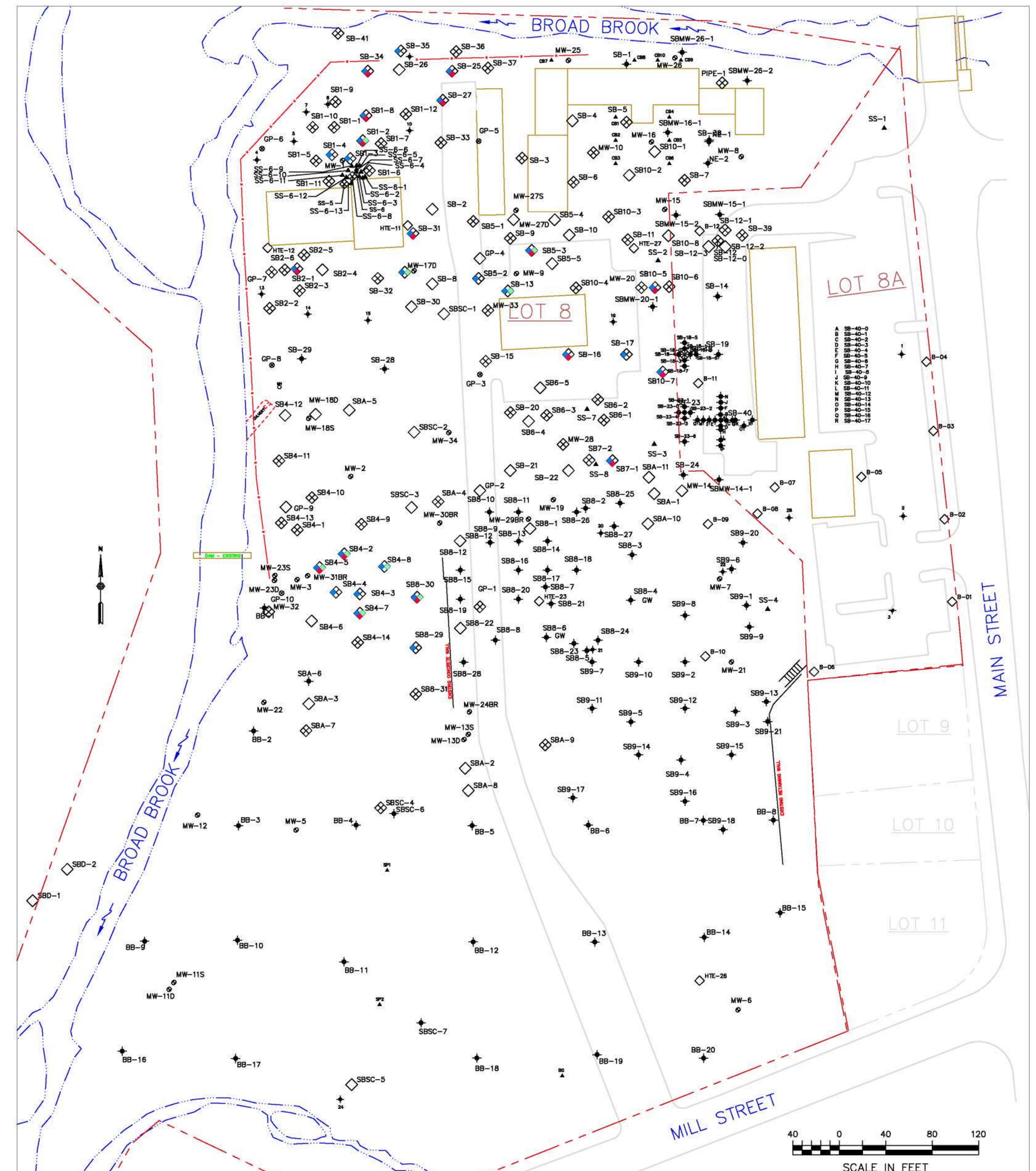
SB–12–0	12/18/2004	
Constituent	0' – 2'	2' – 4'
Physical Analyses	–	–
TPH	71.4	ND
Depth of Boring	4.0'	
DTGW	–	

SB–12–1	12/18/2004	
Constituent	0' – 2'	2' – 4'
Physical Analyses	–	–
TPH	159	45.6
Depth of Boring	4.0'	
DTGW	–	

SB–12–2	12/18/2004	
Constituent	0' – 2'	2' – 4'
Physical Analyses	–	–
TPH	ND	ND
Depth of Boring	4.0'	
DTGW	–	

SB–12–3	12/18/2004	
Constituent	0' – 2'	2' – 4'
Physical Analyses	–	–
TPH	ND	ND
Depth of Boring	4.0'	
DTGW	–	

PIPE–1	05/12/2005
Constituent	0'–0.25'
Physical Analyses	–
TPH	144
Depth of Boring	0.25'
DTGW	–



DATA BLOCK LEGEND

LOCATION IDENTIFIER — SAMPLE DATE — SAMPLE DEPTH

BLANK CELL INDICATES NO ANALYSIS CONDUCTED

"J" IS A CONSTITUENT CONCENTRATION QUALIFIER

DASH INDICATES DETECT(S) IN CONSTITUENT GROUP

ITALICIZED AND RED (COLORED DRAWINGS) CONSTITUENT CONCENTRATION INDICATES AN EXCEEDANCES OF A CT RSR CRITERIA.

ET–SB–06	11/06/1997		
Constituent	0' – 2'	2' – 4'	4' – 6'
METALs	–		
As	2.4		
Pb	15.8 J		
Physical Analyses			–
TPH			*900*
VOCs			ND
VOCs (screening)	ND	ND	ND
Depth of Boring	10.00'		
DTGW	~ 12.00'		

NOTES:

THE UNITS FOR SOILS IN WHICH QUANTIFIABLE CONCENTRATIONS OF TPH ARE DETECTED AS MILLIGRAMS PER KILOGRAM (mg/kg).

LEGEND

- MONITORING WELL (MW) (NOT ANALYZED)
- SCREEN POINT (GP) (NOT ANALYZED)
- SOIL BORING (SB) (NOT ANALYZED)
- SHALLOW SOIL SAMPLE (SS) NOT ANALYZED)
- SAMPLE W/ DETECT BUT NO EXCEEDANCES
- SAMPLE ANALYZED BUT NO DETECTS

SOIL EXCEEDANCES

RESIDENTIAL DIRECT EXPOSURE CRITERIA (RDEC)

INDUSTRIAL DIRECT EXPOSURE CRITERIA

(GAPMC) GA / GAA POLLUTANT MOBILITY CRITERIA

ABBREVIATIONS

MISC.

TPH Total Petroleum Hydrocarbons

CONSTITUENT CONCENTRATION QUALIFIERS

ND NONE DETECTED; LESS THAN DETECTION LIMIT
NA COMPOUND NOT ANALYZED
J ESTIMATED VALUE. COMPOUND PRESENT AT A CONCENTRATION BELOW THE METHOD DETECTION LIMIT

REFERENCE NOTES:

EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED "GRADING PLAN" – MILLBROOK – SECTION III – PHASES 5,6 – PROPERTY OF CJP INCORPORATED" BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990.

LOCATIONS OF ALL MONITORING WELLS AND SOIL BORINGS AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998.

LOCATIONS OF SOIL BORINGS PERFORMED BY EMG, HTE, AND THE DEP ARE APPROXIMATE BASED ON AVAILABLE INFORMATION.

NOTES:

1. SAMPLES WERE COLLECTED AT TWO FOOT INTERVALS TO THE BOTTOM OF THE BORING.
2. THE RESULTS FROM ALL ANALYSES CONDUCTED ON SAMPLES FROM A PARTICULAR LOCATION ARE SHOWN ON THE MAP.
3. APPROXIMATE DEPTH TO GROUNDWATER IS GIVEN TO DETERMINE APPLICABILITY TO THE CT RSR POLLUTANT MOBILITY CRITERIA. IN A GA AREA, THE APPROXIMATE SEASONAL LOW GROUNDWATER LEVEL IS GIVEN.
4. DUPLICATE SAMPLE DATA ARE SEPARATED BY A COMMA WITHIN THE SAMPLING INTERVAL WHERE THE DUPLICATION OCCURS.
5. FIGURE ADOPTED FROM LEA REPORT FIGURE 9 – TPH IN SOIL (887016–3)

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN
DATE: MAY 2006
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: NRS
CHECKED BY: JP
PROJ. MGMT. APPROVAL: MM

TITLE: TPH IN SOIL
BROAD BROOK MILL SITE, EAST WINDSOR, CT

DRAWING NO. FIGURE 11

REV. B

B11	10/21/1995
Constituent	4' – 6'
METALs (TCLP)	–
Ba (TCLP)	0.59
Depth of Boring	10.00'

B12	10/21/1995
Constituent	10' – 12'
METALs (TCLP)	–
Ba (TCLP)	0.89
Depth of Boring	12.00'

CB1	10/27/1994	
Constituent		
METALs	–	
As	1.10	
Ba	77	
Cd	0.25	
Cr	8.0	
Cu	13	
Iron	5800	
Pb	15	
Manganese	70	
Hg	0.03	
Ni	6.8	
Se	0.11	
Ag	0.25	
Zn	44	
METALs (TCLP)		–
Ba (TCLP)		1.10
Cd (TCLP)		0.01
Cr (TCLP)		0.01
Cu (TCLP)		0.01
Pb (TCLP)		0.08
Ni (TCLP)		0.04
Zn (TCLP)		0.26
METALs (TCLP)		–
Iron (TCLP)		0.21
Manganese (TCLP)		0.23
Physical Analyses	–	
CN	5.00	

CB10	10/27/1994	
Constituent		
METALs	–	
As	0.90	
Ba	34	
Cd	0.50	
Cr	6.5	
Cu	13	
Iron	3000	
Pb	50	
Manganese	120	
Hg	0.11	
Ni	7.3	
Se	0.08	
Ag	0.25	
Zn	96	
METALs (TCLP)		–
Ba (TCLP)		0.67
Cd (TCLP)		0.02
Cr (TCLP)		0.02
Cu (TCLP)		0.03
Pb (TCLP)		0.18
Ni (TCLP)		0.07
Ag (TCLP)		0.01
Zn (TCLP)		0.96
METALs (TCLP)		–
Iron (TCLP)		0.06
Manganese (TCLP)		0.52
Physical Analyses	ND	
CN	ND	

CB2	10/27/1994	
Constituent		
METALs	–	
As	2.10	
Ba	73	
Cd	0.50	
Cr	22.0	
Cu	31	
Iron	13000	
Pb	43	
Manganese	200	
Hg	0.18	
Ni	10	
Se	0.11	
Zn	64	
METALs (TCLP)		–
Ba (TCLP)		0.96
Cd (TCLP)		0.01
Cr (TCLP)		0.01
Cu (TCLP)		0.02
Pb (TCLP)		0.04
Ni (TCLP)		0.05
Ag (TCLP)		0.01
Zn (TCLP)		0.21
METALs (TCLP)		–
Iron (TCLP)		0.09
Manganese (TCLP)		0.37
Physical Analyses	ND	
CN	ND	

CB3	10/27/1994	
Constituent		
METALs	–	
As	1.40	
Ba	89	
Cd	0.50	
Cr	12.0	
Cu	16	
Iron	7400	
Pb	22	
Manganese	130	
Hg	0.06	
Ni	8.5	
Se	0.10	
Ag	0.25	
Zn	40	
METALs (TCLP)		–
Ba (TCLP)		1.10
Cr (TCLP)		0.01
Cu (TCLP)		0.02
Pb (TCLP)		0.01
Ni (TCLP)		0.05
Zn (TCLP)		0.32
METALs (TCLP)		–
Iron (TCLP)		0.18
Manganese (TCLP)		0.08
Physical Analyses	ND	
CN	ND	

CB4	10/27/1994	
Constituent		
METALs	–	
As	1.30	
Ba	74	
Cd	0.50	
Cr	7.8	
Cu	15	
Iron	5500	
Pb	45	
Manganese	140	
Hg	0.06	
Ni	7.8	
Se	0.03	
Zn	74	
METALs (TCLP)		–
Ba (TCLP)		1.20
Cd (TCLP)		0.01
Cr (TCLP)		0.01
Cu (TCLP)		0.02
Pb (TCLP)		0.04
Ni (TCLP)		0.08
Ag (TCLP)		0.01
Zn (TCLP)		0.54
METALs (TCLP)		–
Iron (TCLP)		0.09
Manganese (TCLP)		0.79
Physical Analyses	ND	
CN	ND	

CB5	10/27/1994	
Constituent		
METALs	–	
As	1.30	
Ba	48	
Cd	0.25	
Cr	7.0	
Cu	12	
Iron	5400	
Pb	30	
Manganese	140	
Hg	0.05	
Ni	7.5	
Se	0.02	
Ag	0.25	
Zn	42	
METALs (TCLP)		–
Ba (TCLP)		0.85
Cd (TCLP)		0.01
Cr (TCLP)		0.01
Cu (TCLP)		0.01
Pb (TCLP)		0.04
Ni (TCLP)		0.07
Ag (TCLP)		0.01
Zn (TCLP)		0.26
METALs (TCLP)		–
Iron (TCLP)		0.06
Manganese (TCLP)		0.20
Physical Analyses	ND	
CN	ND	

CB6	10/27/1994	
Constituent		
METALs	–	
As	1.20	
Ba	68	
Cd	0.50	
Cr	8.5	
Cu	12	
Iron	7400	
Pb	13	
Manganese	130	
Hg	0.06	
Ni	9	
Se	0.14	
Ag	0.25	
Zn	30	
METALs (TCLP)		–
Ba (TCLP)		0.70
Cd (TCLP)		0.01
Cr (TCLP)		0.02
Cu (TCLP)		0.01
Pb (TCLP)		0.02
Ni (TCLP)		0.07
Ag (TCLP)		0.01
Zn (TCLP)		0.11
METALs (TCLP)		–
Iron (TCLP)		0.15
Manganese (TCLP)		0.05
Physical Analyses	ND	
CN	ND	

CB7	10/27/1994	
Constituent		
METALs	–	
As	1.00	
Ba	56	
Cd	1.00	
Cr	13.0	
Cu	14	
Iron	4900	
Pb	47	
Manganese	120	
Hg	0.08	
Ni	7.5	
Ag	0.25	
Zn	90	
METALs (TCLP)		–
Ba (TCLP)		0.71
Cd (TCLP)		0.01
Cr (TCLP)		0.01
Cu (TCLP)		0.03
Pb (TCLP)		0.05
Ni (TCLP)		0.10
Ag (TCLP)		0.01
Zn (TCLP)		0.32
METALs (TCLP)		–
Iron (TCLP)		0.06
Manganese (TCLP)		0.25
Physical Analyses	ND	
CN	ND	

CB8	10/27/1994	
Constituent		
METALs	–	
As	3.30	
Ba	46	
Cd	0.75	
Cr	33.0	
Cu	150	
Iron	5900	
Pb	370	
Manganese	110	
Hg	0.19	
Ni	8.3	
Se	0.07	
Ag	0.50	
Zn	390	
METALs (TCLP)		–
Ba (TCLP)		0.47
Cd (TCLP)		0.01
Cr (TCLP)		0.02
Cu (TCLP)		0.10
Pb (TCLP)		0.48
Ni (TCLP)		0.07
Ag (TCLP)		0.01
Zn (TCLP)		0.69
METALs (TCLP)		–
Iron (TCLP)		0.03
Manganese (TCLP)		0.07
Physical Analyses	ND	
CN	ND	

CB9	10/27/1994	
Constituent		
METALs	–	
As	5.20	
Ba	52	
Cd	0.75	
Cr	22.0	
Cu	33	
Iron	8500	
Pb	120	
Manganese	380	
Hg	1.40	
Ni	9.3	
Se	0.01	
Ag	0.25	
Zn	130	
METALs (TCLP)		–
Ba (TCLP)		0.45
Cd (TCLP)		0.01
Cr (TCLP)		0.02
Cu (TCLP)		0.02
Pb (TCLP)		0.13
Ni (TCLP)		0.10
Ag (TCLP)		0.01
Zn (TCLP)		0.41
METALs (TCLP)		–
Iron (TCLP)		0.14
Manganese (TCLP)		0.52
Physical Analyses	ND	
CN	ND	

GP-4	10/29/1996
Constituent	6' – 8'
METALs	–
As	*10.3*
Ba	70
Boron	25
Cr	*194*
Cu	22.4
Ni	19
Zn	48.9
Depth of Boring	9.00'
DTGW	~ 9.5'

GP-7	10/30/1996
Constituent	2' – 4'
METALs	–
As	2.88
Ba	113
Boron	39
Cd	3.69
Cr	23
Cu	19.5
Ni	16.5
Zn	59.1
Depth of Boring	12.00'
DTGW	~ 8.2'

GP-9	10/30/1996
Constituent	4' – 6'
METALs	–
As	3.01
Ba	43.2
Boron	18
Cr	12.1
Cu	20.6
Zn	39.8
Depth of Boring	10.00'
DTGW	~ 9.0'

HTE-8	08/31/1993
Constituent	4' – 6'
METALs	–
Ba	45.4
Cr	31.1
Pb	48.1
Hg	0.11
METALs (SPLP)	–
Pb (TCLP)	0.20
Depth of Boring	8.00'

HTE-11	08/31/1993
Constituent	2' – 4'
METALs	–
Ba	43
Cr	9.8
Pb	6.2
Depth of Boring	10.00'

MW-10	01/03/1997
Constituent	2' – 4'
METALs	–
As	7.24
Ba	71.3
Boron	20
Cr	81
Cu	53.3
Pb	77.1
Hg	0.282
Ni	10.8
Zn	66.8
METALs (SPLP)	–
Boron (SPLP)	0.2
Pb (SPLP)	0.0124
Depth of Boring	~ 8.5'

MW-18D	01/14/1998	
Constituent	4' – 6'	8' – 10'
METALs	–	–
As	0.71	3.26
Ba	56.1	129
Cd	ND	4.23
Cr	10.3	28.8
Cu	5.91	22.4
Ni	ND	21
Zn	28.5	71.4
Depth of Boring	29.60'	
DTGW	~ 9.7'	

MW-20	01/20/1998	
Constituent	0' – 2'	4' – 6'
METALs	–	–
As	3.14	3.53
Ba	73.6	97.8
Cr	25.5	*234*
Cu	16.5	54.9
Pb	24.3	37
Hg	ND	0.326
Ni	12	15.1
Zn	83.5	126
METALs (SPLP)		–
Pb (SPLP)		0.0080
Zn (SPLP)		0.116
Depth of Boring	25.50'	
DTGW	~ 8.2'	

MW-27D	01/13/1998	
Constituent	6' – 8'	10' – 12'
METALs	–	–
As	2.82	2.94
Ba	47.8	138
Boron	ND	32
Cd	ND	4.48
Cr	11.9	18.7
Cu	10.2	11.8
Ni	ND	16.1
Zn	40.2	54.1
METALs (SPLP)	–	
Zn (SPLP)	0.141	
Depth of Boring	21.00'	
DTGW	~ 10.0'	

MW-33	03/23/1998	
Constituent	8' – 10'	12' – 14'
METALs	–	–
As	2.07	ND
Ba	92.8	39.7
Cr	33.6	20.2
Pb	ND	45.8
Depth of Boring	16.00'	
DTGW	~ 9.7'	

MW-34	03/23/1998	
Constituent	8' – 10'	12' – 14'
METALs	–	–
As	2.9	ND
Ba	96.9	62.9
Cr	37.5	25.8
Pb	81.9	45.3
Depth of Boring	16.00'	
DTGW	~ 10.8'	

SB-1	01/14/1998	
Constituent	0' – 2'	8' – 10'
METALs	–	–
As	2.41	0.8
Ba	166	46
Cd	4.00	ND
Cr	17.6	11.6
Cu	17.7	ND
Pb	76.4	ND
Ni	ND	11.6
Zn	863	28.7
Depth of Boring	13.50'	
DTGW	~ 4.5'	

SB-2	01/23/1998		
Constituent	2' – 4'	6' – 8'	12' – 14'
METALs		–	–
As		2.41	0.61
Ba		55.3	72.2
Cr		33.9	14.5
Cu		15.5	5.13
Pb		45.3	ND
Hg		0.235	ND
Zn		116	36.9
METALs (SPLP)	–		
As (SPLP)	0.006	ND	
Pb (SPLP)	0.0107	0.0158	
Zn (SPLP)	0.132	0.115	
Depth of Boring	16.00'		
DTGW	~ 9.1'		

SB-3	01/14/1998	
Constituent	0' – 2'	4' – 6'
METALs	–	–
As	2.82	1.88
Ba	165	102
Cd	5.09	5.35
Cr	47.6	36.8
Cu	26.6	16.4
Pb	35.3	31.3
Ni	ND	12.9
Zn	133	142
METALs (SPLP)		–
Pb (SPLP)		0.0181
Zn (SPLP)		0.116
Depth of Boring	16.00'	
DTGW	~ 9.4'	

SB-4	01/28/1998	
Constituent	0' – 2'	4' – 6'
METALs	–	–
As	1.0	1.16
Ba	48.7	57.5
Cr	10.4	15.3
Cu	12	5.25
Zn	29	29.7
Depth of Boring	12.00'	
DTGW	~ 8.7'	

SB-5	01/28/1998	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	2.12	ND
Ba	66.4	37.3
Cr	28.3	8.3
Cu	16.1	5.44
Pb	47.1	ND
Ni	13.6	ND
Zn	66.1	26.2
Depth of Boring	11.50'	
DTGW	~ 9.4'	

SB-6	01/28/1998	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	2.16	1.32
Ba	50.4	83.3
Cr	25.2	20.7
Cu	24.5	7.84
Pb	67.4	ND
Hg	2.45	ND
Ni	ND	12.3
Zn	71.5	85.1
METALs (SPLP)	–	
Pb (SPLP)	0.0177	
Hg (SPLP)	0.0012 J	
Zn (SPLP)	0.088	
Depth of Boring	16.00'	
DTGW	~ 8.3'	

SB-7	02/04/1998	
Constituent	0' – 2'	6' – 8'
METALs	–	–
As	2.6	0.9
Ba	76.4	28.3
Cr	19.1	7.78
Cu	15.8	4.69
Pb	32.4	ND
Ni	11.8	ND
Zn	132	39.1
Depth of Boring	10.00'	
DTGW	~ 8.5'	

SB-8	01/27/1998			
Constituent	2' – 4'	6' – 8'	8' – 10.9'	12' – 12.5'
METALs	–		–	–
As	2.61		3.04	1.62
Ba	71.5		110	36.8
Cr	15.8		29.3	*438*
Cu	16.9		21.8	17.3
Ni	17.8		23.2	10.7
Zn	39.1		107	51.2
METALs (SPLP)	–	–		
Cd (SPLP)	ND	0.0088		
Pb (SPLP)	0.0058	ND		
Zn (SPLP)	0.109	0.118		
Depth of Boring	12.50'			
DTGW	~ 9.8'			

SB-9	01/28/1998	
Constituent	4' – 6'	10' – 12'
METALs	–	–
As	7.8	1.47
Ba	97.9	101
Cd	7.09	ND
Cr	30.4	16.8
Cu	614	9.33
Pb	*694*	ND
Hg	0.469	ND
Ni	18.1	13.8
Zn	281	59.9
METALs (SPLP)	ND	
Depth of Boring	16.00'	
DTGW	~ 10.0'	

SB-10	01/30/1998	
Constituent	2' – 4'	8' – 10'
METALs	–	–
As	7.1	1.75
Ba	92.5	65
Cd	7.38	ND
Cr	52	13
Cu	273	7.63
Pb	*2280*	ND
Hg	0.935	ND
Ni	22.2	12.3
Zn	128	45.9
METALs (SPLP)	–	
Cu (SPLP)	0.090	
Pb (SPLP)	0.682	
Zn (SPLP)	0.168	
Depth of Boring	14.00'	
DTGW	~ 9.9'	

SB-11	01/30/1998	
Constituent	0' – 2'	4' – 6'
METALs	–	–
As	1.96	ND
Ba	102	38.6
Cr	43	11.6
Cu	18.8	5.56
Ni	13.6	ND
Zn	88.3	30.7
Depth of Boring	12.00'	
DTGW	~ 8.6'	

SB-12	10/30/1997
Constituent	0' – 2'
METALs	–
As	1.46
Ba	46.1
Cd	3.51
Cr	11.2
Cu	12.6
Zn	28.1
Depth of Boring	4.50'
DTGW	~ 13.0'

SB-13	01/28/1998		
Constituent	2' – 4'	8' – 12'	14' – 16'
METALs	–	–	–
As	1.43	*16.1*	0.57
Ba	45.8	591	62.4
Cd	ND	7.56	ND
Cr	31.1	*5320*	12.6
Cu	16.4	139	6.48
Pb	67	*844*	ND
Hg	ND	1.37	ND
Zn	48.2	382	38.9
Depth of Boring	16.00'		
DTGW	~ 10.2'		

SB-14	10/30/1997
Constituent	2' – 3.8'
METALs	–
As	2.57
Ba	76.1
Cr	24.5
Cu	20.1
Pb	35.7
Ni	12.9
Zn	60.5
Depth of Boring	3.80'
DTGW	~ 13.5

SB-15	01/27/1998	
Constituent	4' – 6'	8' – 11.0'
METALs	–	–
As	2.00	4.25
Ba	57.9	235
Cd	ND	5.17
Cr	16.7	45.9
Cu	13.6	32.9
Ni	17.4	42
Zn	82.6	118
Depth of Boring	16.00'	
DTGW	~ 9.4'	

SB-16	01/27/1998		
Constituent	2' – 4'	6' – 8'	8' – 10'
METALs	–	–	–
As	2.79	0.99	ND
Ba	111	57.1	33.4
Cd	ND	10.5	ND
Cr	*134*	32.8	28.9
Cu	21	16.1	7.47
Pb	94.6	ND	ND
Hg	0.371	ND	ND
Ni	11.4	17.4	ND
Zn	275	420	108
METALs (SPLP)	–	–	
Cd (SPLP)	0.0012	0.0021	
Cr (SPLP)	0.063	ND	
Pb (SPLP)	0.0206	ND	
Zn (SPLP)	0.159	0.162	
Depth of Boring	16.00'		
DTGW	~ 9.1'		

SB-17	01/27/1998	
Constituent	2' – 4'	12' – 14'
METALs	–	–
As	3.16	6.81
Ba	54	97.4
Cd	ND	4.87
Cr	*372*	*137*
Cu	26.5	51.2
Pb	51.7	176
Hg	ND	0.696
Ni	ND	32.5
Se	ND	1.46
Zn	84.3	213
Depth of Boring	16.00'	
DTGW	~ 7.8'	

SB-18	10/30/1997	
Constituent	4' – 6'	10' – 12'
METALs	–	–
As	2.24	*27.0*
Ba	88.8	88.0
Cd	ND	3.9
Cr	38.8	15.4
Cu	17.6	23.3
Pb	49.7	25.1
Hg	0.341	ND
Ni	12.1	15.6
Zn	68	460
Depth of Boring	16.00'	
DTGW	~ 10.2'	

SB-19	10/31/1997
Constituent	2' – 4'
METALs	–
As	1.93
Ba	69.1
Cr	18.8
Cu	23.8
Pb	47.1
Hg	0.217
Ni	10.7
Zn	68.7
Depth of Boring	12.00'
DTGW	~ 14.3'

SB-20	01/26/1998		
Constituent	4' – 6'	6' – 8'	8' – 12'
METALs	–	–	–
As	0.58	4.34	2.65
Ba	23.9	569	65.5
Cd	ND	4.72	4.62
Cr	9.58	15	*132*
Cu	7.4	19.3	33.1
Pb	ND	385	70.8
Ni	ND	13.6	16.9
Zn	20.1	418	123
METALs (SPLP)		–	
Pb (SPLP)		0.0412	
Zn (SPLP)		0.134	
Depth of Boring	16.00'		
DTGW	~ 10.0'		

SB-23	10/31/1997	
Constituent	2' – 4'	8' – 10'
METALs	–	–
As	*11.6*	2.09
Ba	63.3	66.7
Cr	99.2	15.7
Cu	16.8	11.7
Ni	37.9	ND
Zn	41.5	27.4
METALs (SPLP)	–	
Cr (SPLP)	0.099	
Zn (SPLP)	0.118	
Depth of Boring	14.00'	
DTGW	~ 11.5'	

SB-25	01/21/1998	
Constituent	0' – 2'	4' – 7.5'
METALs	–	–
As	2.00	7.68
Ba	56	153
Cd	ND	3.73
Cr	32.2	44
Cu	14.8	30.1
Pb	ND	88.2
Ni	ND	21.4
Zn	57.3	394
METALs (SPLP)		–
Ba (SPLP)		1.86
Pb (SPLP)		0.0547
Zn (SPLP)		0.528
Depth of Boring	16.00'	
DTGW	~ 8.5'	

SB-26	01/23/1998	
Constituent	4' – 6'	8' – 10'
METALs	–	–
As	*27.4*	4.25
Ba	131	75.5
Cr	37.4	28.1
Cu	35.8	21.1
Pb	ND	35.6
Ni	39.8	28.3
Zn	184	77.6
METALs (SPLP)	–	
As (SPLP)	0.023	
Pb (SPLP)	0.0064	
Zn (SPLP)	0.137	
Depth of Boring	16.00'	
DTGW	~ 10.0'	

SB-27	01/21/1998	
Constituent	4' – 6'	8' – 12'
METALs	–	–
As	1.77	1.82
Ba	58.4	40.9
Cr	20.9	39.4
Cu	11.5	18.5
Pb	ND	27.5
Zn	58.3	77.9
Depth of Boring	16.00'	
DTGW	~ 9.1'	

SB-40	03/24/1998	
Constituent	0' – 2'	2' – 4'
METALs	–	–
As	ND	4.19
Ba	74.8	42.4
Cr	24.9	39.1
Pb	50.7	68.7
Hg	ND	0.401
METALs (SPLP)	–	
Pb (SPLP)	0.0189	
Depth of Boring	12.00'	
DTGW	~ 14.5'	

SB1-6	12/22/1997
Constituent	0' – 2'
METALs	–
Hg	2.31
METALs (SPLP)	ND
Depth of Boring	16.00'
DTGW	~ 6.8'

SB1-7	12/22/1997
Constituent	0' – 2'
METALs	–
Hg	0.224
Depth of Boring	16.00'
DTGW	~ 6.1'

SB1-8	12/22/1997
Constituent	0' – 2'
METALs	–
Hg	0.846
Depth of Boring	16.00'
DTGW	~ 6.1'

SB1-9	12/29/1997	
Constituent	0' – 2'	4' – 6'
METALs	–	
Pb		87.2
Hg	0.217	
METALs (SPLP)		–
Pb (SPLP)		0.0084
Depth of Boring	16.00'	
DTGW	~ 6.6'	

SB1-10	12/29/1997	
Constituent	0' – 2'	4' – 6'
METALs	–	–
Pb		89.8
Hg	0.721	
METALs (SPLP)		–
Pb (SPLP)		0.0060
Depth of Boring	16.00'	
DTGW	~ 8.8'	

SB1-11	12/30/1997
Constituent	0' – 2'
METALs	–
Depth of Boring	16.00'
DTGW	~ 7.0'

SB10-1	01/03/1997
Constituent	6' – 7.5'
METALs	–
As	1.0
Ba	19.8
Boron	17
Cr	14.6
Cu	10
Ni	12.2
Zn	27.2
Depth of Boring	7.50'
DTGW	~ 9.1

SB10-2	01/06/1997
Constituent	2' – 4'
METALs	–
As	1.16
Ba	27.1
Boron	12
Cr	10.3
Cu	5.1
Zn	18.6
Depth of Boring	9.50'
DTGW	~ 8.7'

SB10-3	01/06/1997
Constituent	0' – 2'
METALs	–
As	2.59
Ba	107
Boron	25
Cr	59.6
Cu	22.1
Pb	39.8
Hg	0.127
Ni	15.9
Ag	21
Zn	68.2
METALs (SPLP)	–
Boron (SPLP)	0.2
Pb (SPLP)	0.0133
Depth of Boring	9.00'
DTGW	~ 8.8

SB10-4	01/02/1997
Constituent	4' – 6'
METALs	–
As	1.22
Ba	35.5
Boron	22
Cr	18.3
Cu	7.59
Ni	12.2
Zn	28.2
Depth of Boring	16.00'
DTGW	~ 9.4

SB10-5	01/06/1997
Constituent	2' – 4'
METALs	–
As	2.04
Ba	43.8
Boron	19
Cr	*120*
Cu	26.9
Pb	54.7
Hg	0.043
Zn	75.7
METALs (SPLP)	–
Boron (SPLP)	0.2
Cr (SPLP)	0.088
Pb (SPLP)	0.0346
Zn (SPLP)	0.055
Depth of Boring	12.50'
DTGW	~ 7.9'

SB10-6	01/03/1997
Constituent	0' – 2'
METALs	–
As	2.32
Ba	59.5
Boron	20
Cr	32.9
Cu	13.9
Pb	49.7
Hg	0.292
Ni	11.2
Zn	53.7
METALs (SPLP)	–
Boron (SPLP)	0.3
Pb (SPLP)	0.0443
Hg (SPLP)	0.0023
Zn (SPLP)	0.075
Depth of Boring	7.00'
DTGW	~ 8.4'

SB10-7	01/02/1997
Constituent	2' – 4'
METALs	–
As	4.31
Ba	282
Boron	26
Cr	27.3
Cu	81.5
Pb	162
Hg	1.61
Ni	16.4
Zn	201
METALs (SPLP)	–
Boron (SPLP)	0.3
Depth of Boring	8.00'
DTGW	~ 7.9'

SB10-8	01/03/1997
Constituent	4' – 5'
METALs	–
As	0.79
Ba	39.9
Boron	16
Cr	15.7
Cu	4.92
Ni	11.2
Zn	24.7
Depth of Boring	5.00'
DTGW	~ 8.8'

SB2-1	12/20/1996	
Constituent	0' – 2'	4' – 6'
METALs	–	–
As	1.44	2.24
Ba	36.3	70.3
Boron	25	28
Cr	46.8	35.5
Cu	22.7	18.2
Pb	ND	103
Hg	0.29	0.10
Ni	21.6	14
Zn	64.4	92.5
Depth of Boring	16.00'	
DTGW	~ 8.4'	

SB2-2	12/20/1996	
Constituent	2' – 4'	4' – 6'
METALs	–	–
As	4.53	1.62
Ba	205	73.3
Boron	67	21
Cd	6.62	ND
Cr	40.1	17.2
Cu	30.2	13.1
Ni	33.3	15
Zn	87.9	54.7
METALs (SPLP)	–	
Ba (SPLP)	1.20	
Boron (SPLP)	0.1	
Pb (SPLP)	0.0066	
Zn (SPLP)	0.088	
Depth of Boring	16.00'	
DTGW	~ 8.2	

SB2-3	12/30/1997	
Constituent	2' – 4'	8' – 10'
METALs	–	–
As	2.59	1.65
Ba	147	200
Boron	48	48
Cd	5.82	ND
Cr	38.6	41.9
Cu	21.1	18
Ni	21.9	24.1
Zn	82.2	61.9
Depth of Boring	16.00'	
DTGW	~ 8.2'	

SB2-4	12/30/1997	
Constituent	2' – 4'	8' – 10'
METALs	–	–
As	3.55	1.53
Ba	225	80.3
Boron	71	38
Cd	7.55	3.54
Cr	51.3	31.2
Cu	30.9	8.33
Ni	36.2	16.4
Zn	92.5	44
METALs (SPLP)	–	
Ba (SPLP)	2.84	
Cr (SPLP)	0.071	
Cu (SPLP)	0.063	
Pb (SPLP)	0.0223	
Zn (SPLP)	0.681	
Depth of Boring	18.00'	
DTGW	~ 8.0'	

SB2-5	12/31/1997	
Constituent	2' – 4'	8' – 10'
METALs	–	–
As	3.55	1.09
Ba	205	71.9
Boron	70	15
Cd	7.22	ND
Cr	41.1	19.2
Cu	31.1	5.42
Ni	33.4	ND
Zn	92.2	23.6
Depth of Boring	16.00'	
DTGW	~ 7.8'	

SB2-6	12/31/1997	
Constituent	2' – 4'	8' – 10'
METALs	–	–
As	2.76	1.25
Ba	143	58.2
Boron	52	21
Cd	5.64	ND
Cr	30.6	17.5
Cu	23.3	4.89
Hg	0.561	ND
Ni	27.7	ND
Zn	79.4	28.5
METALs (SPLP)	–	
Ba (SPLP)	1.41	
Cr (SPLP)	0.064	
Pb (SPLP)	0.0195	
Zn (SPLP)	0.357	
Depth of Boring	16.00'	
DTGW	~ 8.1'	

SB4-11	01/05/1998		
Constituent	0' – 2'	6' – 8'	12' – 14'
METALs	–	–	–
As	3.71	1.2	
Ba	150	72	
Boron	43	24	
Cd	5.14	ND	
Cr	25.8	15.7	29.9
Cu	23	12.1	
Ni	27.5	15.1	
Zn	157	36.7	
METALs (SPLP)	–		
Ba (SPLP)	1.33		
Pb (SPLP)	0.0108		
Zn (SPLP)	0.280		
Depth of Boring	16.00'		
DTGW	~ 8.4'		

SB4-12	01/20/1998		
Constituent	0' – 2'	6' – 8'	12' – 14'
METALs	–	–	–
As	3.67	3.31	
Ba	128	181	
Boron	71	68	
Cr	30.8	36.2	22.9
Cu	21.2	26.1	
Ni	24.3	30.7	
Zn	75.6	82.2	
Depth of Boring	16.00'		
DTGW	~ 8.4'		

SB5-1	12/30/1996	
Constituent	6' – 8'	8' – 10'
METALs	–	–
As	3.59	4.15
Ba	71.2	45.5
Boron	33	18
Cr	83	*159*
Cu	21.1	19.6
Pb	58.6	31.2
Hg	0.103	0.312
Ni	14.9	ND
Zn	199	117
Depth of Boring	14.50'	
DTGW	~ 10.1'	

SB5-2	12/30/1996		
Constituent	6' – 8'	8' – 10'	10' – 12'
METALs	–	–	–
As	2.8	6.71	8.35
Ba	106	128	170
Boron	41	38	48
Cr	22.9	*481*	*190*
Cu	15.4	41.3	35.1
Pb	ND	51	53.8
Hg	0.106	0.318	0.243
Ni	17.8	15.9	17.2
Zn	65.8	267	148
METALs (SPLP)	ND		
Depth of Boring	16.00'		
DTGW	~ 9.7'		

SB5-3	01/06/1997
Constituent	2' – 4'
METALs	–
As	2.41
Ba	75.3
Boron	28
Cr	29.3
Cu	58.5
Pb	90
Hg	0.165
Ni	12.7
Zn	120
METALs (SPLP)	–
Boron (SPLP)	0.1
Pb (SPLP)	0.0096
Zn (SPLP)	0.056
Depth of Boring	12.00'
DTGW	~ 10.1'

SB5-4	01/06/1997
Constituent	6' – 8'
METALs	–
As	1.00
Ba	42.8
Boron	18
Cr	12.2
Cu	4.65
Hg	0.243
Zn	32.8
METALs (SPLP)	–
Pb (SPLP)	0.0051
Depth of Boring	16.00'
DTGW	~ 9.5'

SB5-5	01/03/1997
Constituent	8' – 10'
METALs	–
As	9.52
Ba	116
Boron	46
Cd	3.62
Cr	27.5
Cu	5.65
Ni	18.7
Zn	42.4
Depth of Boring	16.00'
DTGW	~ 10.0'

SB5-8	12/30/1996	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	3.25	4.44
Ba	92.3	73
Boron	32	26
Cr	56.3	48.8
Cu	38.9	22.3
Pb	179	211
Hg	0.48	0.21
Ni	14.8	13.1
Zn	94.4	475
METALs (SPLP)	–	–
Ba (SPLP)	ND	1.03
Pb (SPLP)	0.0165	0.0506
Zn (SPLP)	ND	0.083
Depth of Boring	10.00'	
DTGW	~ 9.7'	

SB6-1	01/14/1997	
Constituent	4' – 6'	8' – 10'
METALs	–	–
As	1.47	0.8
Ba	68.8	64.1
Boron	25	21
Cr	19.4	12.7
Cu	7.34	6.96
Zn	37.3	23.4
METALs (SPLP)	–	
Boron (SPLP)	0.1	
Zn (SPLP)	0.084	
Depth of Boring	16.00'	
DTGW	~ 9.5'	

SB6-2	01/13/1997
Constituent	2' – 4'
METALs	–
As	*13.9*
Ba	87.7
Boron	22
Cr	*318*
Cu	212
Pb	250
Hg	0.292
Ni	13.2
Se	1.48
Zn	170
METALs (SPLP)	–
As (SPLP)	0.013
Cr (SPLP)	0.053
Pb (SPLP)	0.11
Depth of Boring	16.00'
DTGW	~ 9.1'

SB6-3	01/14/1997
Constituent	2' – 4'
METALs	–
As	4.18
Ba	54.6
Boron	26
Cr	16.3
Cu	15.9
Pb	39.9
Hg	0.09
Ni	12.3
Zn	48.8
Depth of Boring	12.00'
DTGW	~ 9.7'

SB6-4	01/14/1997
Constituent	4' – 6'
METALs	–
As	0.84
Ba	43.3
Boron	16
Cr	14.5
Cu	10.1
Hg	0.101
Zn	27.1
Depth of Boring	14.00'
DTGW	~ 9.9'

SB6-5	01/13/1997	
Constituent	2' – 4'	8' – 10'
METALs	–	–
As	7.29	1.66
Ba	67.8	100
Boron	25	27
Cr	32.5	29.5
Cu	16.4	5.26
Pb	25.7	ND
Hg	0.111	0.185
Ni	12.8	ND
Zn	69.7	43.5
METALs (SPLP)	–	
Boron (SPLP)	0.1	
Pb (SPLP)	0.0064	
Zn (SPLP)	0.096	
Depth of Boring	16.00'	
DTGW	~ 9.6'	

SBA-5	01/20/1998	
Constituent	2' – 4'	8' – 10'
METALs	–	–
As	2.47	0.73
Ba	97.9	23.2
Cr	23.9	10.4
Cu	19	5.84
Ni	18.7	ND
Zn	57.8	23
Depth of Boring	16.00'	
DTGW	~ 9.0'	

SBMW-20-1	01/06/1998
Constituent	2' – 4'
METALs	–
As	3.71
Ba	385
Cr	*236*
Cu	62.2
Pb	211
Hg	0.284
Ni	21
Zn	488
METALs (SPLP)	–
Pb (SPLP)	0.0215
Zn (SPLP)	0.117
Depth of Boring	8.50'
DTGW	~ 7.8'

SBSC-1	01/09/1997
Constituent	4' – 6'
METALs	–
As	3.17
Ba	122
Boron	59
Cd	3.64
Cr	38.3
Cu	18.1
Hg	0.833
Ni	24.5
Zn	68.7
Depth of Boring	11.50'
DTGW	~ 9.8'

SBSC-2	01/09/1997
Constituent	10' – 12'
METALs	–
As	1.51
Ba	29.8
Boron	19
Cr	13.4
Zn	15.9
Depth of Boring	16.00'
DTGW	~ 10.2

SS-1	12/18/1997
Constituent	0.13' – 0.38'
METALs	ND
Depth of Boring	0.38'

SS-2	12/18/1997
Constituent	0.13' – 0.38'
METALs	ND

SS-5	12/18/1997
Constituent	0.13' – 0.38'
METALs	–
As	2.88
Ba	124
Boron	37
Cd	6.59
Cr	28.6
Cu	24.5
Hg	1.01
Ni	24.2
Zn	95.2
METALs (SPLP)	–
Zn (SPLP)	0.058
Depth of Boring	0.38'

SS-6	12/18/1997	
Sample Date	12/18/1997	01/21/1998
Constituent	0.13' – 0.38'	0.5' – 1'
METALs	–	–
As	2.55	
Ba	90.3	
Boron	21	
Cd	4.1	
Cr	17.4	
Cu	24.7	
Hg	*372*	2.37
Ni	14.8	
Zn	83.1	
METALs (SPLP)		–
Hg (SPLP)		0.0013 J
Depth of Boring	1.50'	

SS-6-1	01/21/1998
Constituent	0.08' – 0.42'
METALs	–
Hg	2.45
Depth of Boring	1.00'

SS-6-2	01/21/1998
Constituent	0.08' – 0.42'
METALs	–
Hg	3.97
Depth of Boring	1.00'

SS-6-3	01/21/1998
Constituent	0.08' – 0.42'
METALs	–
Hg	6.35
Depth of Boring	1.00'

SS-6-4	01/21/1998
Constituent	0.08' – 0.42'
METALs	ND
Depth of Boring	1.00'

SS-6-5	01/21/1998
Constituent	0.08' – 0.42'
METALs	–
Hg	*20.8*
METALs (SPLP)	–
Hg (SPLP)	0.0016 J
Depth of Boring	1.00'

SS-6-6	01/21/1998
Constituent	0.08' – 0.42'
METALs	–
Hg	1.2
Depth of Boring	1.00'

SS-6-7	01/21/1998
Constituent	0.08' – 0.42'
METALs	–
Hg	1.14
Depth of Boring	1.00'

SS-6-8	01/21/1998
Constituent	0.08' – 0.42'
METALs	–
Hg	8.08
METALs (SPLP)	ND
Depth of Boring	1.00'

SS-6-9	01/21/1998
Constituent	0.08' – 0.42'
METALs	–
Hg	0.704
Depth of Boring	1.00'

SS-6-10	01/21/1998
Constituent	0.08' – 0.42'
METALs	–
Hg	3.26
Depth of Boring	1.00'

SS-6-11	01/21/1998
Constituent	0.08' – 0.42'
METALs	–
Hg	3.18
Depth of Boring	1.00'

SS-6-12	01/21/1998
Constituent	0.08' – 0.42'
METALs	–
Hg	0.839
Depth of Boring	1.00'

SS-6-13	01/21/1998
Constituent	0.08' – 0.42'
METALs	–
Hg	1.17
Depth of Boring	3.00'

PIPE-1	05/12/2005
Constituent	0' – 0.25'
METALs	–
As	3.3
Ba	65.5
Boron	24.1
Co	0.47
Cr	24.0
Cu	27.6
Pb	120
Hg	0.38
Ni	10.6
Selenium	0.87 B
Zn	116
As (SPLP)	0.0025 B
Ba (SPLP)	0.019 B
Boron (SPLP)	0.13
Cr (SPLP)	0.0047 B
Cu (SPLP)	0.010 B
Pb (SPLP)	0.023
Ni (SPLP)	0.0028 B
Zn (SPLP)	0.028
Depth of Boring	0.25'
DTGW	–

SB-23-0	12/17/2004	
Constituent	0' – 2'	4' – 6'
METALs	–	
As	5.8	1.7
Cr (SPLP)	0.0013 B	0.0026 B
Depth of Boring	6.0'	

SB-23-1	12/17/2004
Constituent	0' – 2'
METALs	–
As	2.5
Cr (SPLP)	0.0062 B
Depth of Boring	2.0'

SB-23-2	12/17/2004		
Constituent	0' – 2'	2' – 4'	4' – 6'
METALs	–		
As	2.0	2.5	4.1
Cr (SPLP)		0.0035 B	0.0056 B
Depth of Boring	2.0'		

SB-23-3	12/17/2004		
Constituent	0' – 2'	2' – 4'	4' – 6'
METALs	–		
As	3.2	5.8	4.3
Cr (SPLP)	0.0097 B	0.01	0.0055 B
Depth of Boring	2.0'		

SB-18-1	12/17/2004		
Constituent	8' – 10'	10' – 12'	12' – 14'
METALs	–		
As	7.8	0.52 B	0.45 B
Depth of Boring	14.0'		

SB-18-2	12/17/2004		
Constituent	8' – 10'	10' – 12'	12' – 14'
METALs	–		
As	2.0	0.87	0.52 B
Depth of Boring	14.0'		

SB-18-3	12/17/2004		
Constituent	8' – 10'	10' – 12'	12' – 14'
METALs	–		
As	1.3	0.61	0.5 B
Depth of Boring	14.0'		

SB-18-5	12/17/2004		
Constituent	8' – 10'	10' – 12'	12' – 14'
METALs	–		
As	1.5	0.8	0.76
Depth of Boring	14.0'		

NE-01		
Sample Date	05/12/2005	05/13/2005
Constituent	0' – 2'	4' – 6'
METALs (SPLP)	–	–
Ba (SPLP)	0.060 B	0.11 B
Cu (SPLP)	0.013 B	0.024 B
Pb (SPLP)	0.024	0.0074
Depth of Boring	6.0'	

NE-02		
Sample Date	05/13/2005	05/13/2005
Constituent	0' – 2'	4' – 6'
METALs (SPLP)	–	–
Ba (SPLP)	0.075 B	0.0049 B
Cu (SPLP)	0.019 B	ND
Pb (SPLP)	0.0043 B	ND
Depth of Boring	6.0'	

SB-40-0		
Sample Date	12/17/2004	02/10/2004
Constituent	2' – 4'	4' – 5.1'
METALs	–	
Pb (SPLP)	0.018	0.019
Depth of Boring	5.1'	

SB-40-01		
Sample Date	12/17/2004	12/17/2004
Constituent	0' – 2'	2' – 4'
METALs	–	
Pb (SPLP)	0.023	0.014 B
Depth of Boring	4.0'	

SB-40-02		
Sample Date	12/17/2004	12/17/2004
Constituent	0' – 2'	2' – 4'
METALs	–	
Pb (SPLP)	0.042	0.24
Depth of Boring	4.0'	

SB-40-04		
Sample Date	12/17/2004	12/17/2004
Constituent	0' – 2'	2' – 4'
METALs	–	
Pb (SPLP)	0.036	0.014
Depth of Boring	4.0'	

SB-40-05		
Sample Date	02/10/2005	02/10/2005
Constituent	0' – 2'	2' – 4'
METALs	–	
Pb (SPLP)	0.017	0.0058
Depth of Boring	4.0'	

SB-40-06		
Sample Date	02/10/2005	02/10/2005
Constituent	0' – 2'	2' – 2.8'
METALs	–	
Pb (SPLP)	0.023	0.019
Depth of Boring	2.8'	

SB-40-08		
Sample Date	02/10/2005	02/10/2005
Constituent	0' – 2'	2' – 4'
METALs	–	
Pb (SPLP)	0.058	ND
Depth of Boring	4.0'	

SB-40-09		
Sample Date	02/10/2005	02/10/2005
Constituent	0' – 2'	2' – 4'
METALs	–	
Pb (SPLP)	0.025	0.024
Depth of Boring	4.0'	

SB-40-10		
Sample Date	02/10/2005	02/10/2005
Constituent	0' – 2'	2' – 2.6'
METALs	–	
Pb (SPLP)	0.0053	ND
Depth of Boring	2.6'	

SB-40-12		
Sample Date	02/10/2005	02/10/2005
Constituent	0' – 2'	2' – 4'
METALs	–	
Pb (SPLP)	0.024	0.011
Depth of Boring	4.0'	

SB-40-13		
Sample Date	02/10/2005	02/10/2005
Constituent	0' – 2'	2' – 4'
METALs	–	
Pb (SPLP)	0.020	0.012
Depth of Boring	4.0'	

SB-40-16	
Sample Date	02/10/2005
Constituent	0' – 2'
METALs	–
Pb (SPLP)	0.034
Depth of Boring	2.0'

DATA BLOCK LEGEND

LOCATION IDENTIFIER — ET-SB-06 (example data block: sample date 11/06/1997; Constituent 0' – 2', 2' – 4', 4' – 6'; As 2.4; Pb 15.8 J; TPH – , *900*; VOCs ND; Depth of Boring ~ 16.00'; DTGW ~ 12.00')

- SAMPLE DATE
- BLANK CELL INDICATES NO ANALYSIS CONDUCTED
- "J" IS A CONSTITUENT CONCENTRATION QUALIFIER
- DASH INDICATES DETECT(S) IN CONSTITUENT GROUP
- ITALICIZED AND RED (COLORED DRAWINGS) CONSTITUENT CONCENTRATION INDICATES AN EXCEEDANCES OF A CT RSR CRITERIA.

NOTES:

THE RESPECTIVE UNITS FOR SOILS IN WHICH QUANTIFIABLE CONCENTRATIONS ARE DETECTED ARE AS FOLLOWS: TOTAL METALS – MILLIGRAMS PER KILOGRAM (mg/kg); TCLP & SPLP METALS & CYANIDE – MILLIGRAMS PER LITER (mg/l).

LEGEND

- MONITORING WELL (MW) (NOT ANALYZED)
- MONITORING WELL (MW) (NOT ASSOCIATED W/ AREA)
- SOIL BORING (SB) (NOT ANALYZED)
- SOIL BORING (SB) (NOT ASSOCIATED W/ AREA)
- SAMPLE W/ DETECT BUT NO EXCEEDANCES
- SAMPLE ANALYZED BUT NO DETECTS
- SCREEN POINT (GP) (NOT ANALYZED)
- SCREEN POINT (GP) (NOT ASSOCIATED W/AREA)
- SOIL SAMPLE (SS) (NOT ANALYZED)
- SOIL SAMPLE (SS) (NOT ASSOCIATED W/AREA)

SOIL EXCEEDANCES

RESIDENTIAL DIRECT EXPOSURE CRITERIA (RDEC)

(IndDEC) INDUSTRIAL DIRECT EXPOSURE CRITERIA

PMC exceedances are not considered due to the polluted fill exemption being applied at the Site

ABBREVIATIONS

As	Arsenic
Ba	Barium
Cd	Cadmium
CN	Cyanide
Cr	Chromium (total)
Cu	Copper
Pb	Lead
Hg	Mercury
Ni	Nickel
Se	Selenium
Ag	Silver
Zn	Zinc

CONSTITUENT CONCENTRATION QUALIFIERS

- J – ESTIMATED VALUE: SAMPLE ANALYZED AFTER TWO WEEK HOLDING TIME HAD EXPIRED.
- J1 – ESTIMATED VALUE: % DIFFERENCE OF DAILY CALIBRATION STANDARD OUTSIDE CONTROL LIMITS.
- J11 – ESTIMATED VALUE: CONCENTRATION ABOVE CALIBRATION RANGE.
- UJ – ESTIMATED VALUE/NON-DETECT: SAMPLE ANALYZED PAST HOLD TIME FOR THIS COMPOUND.
- UJ1 – ESTIMATED VALUE/NON-DETECT % DIFFERENCE OF DAILY CALIBRATION STANDARD OUTSIDE CONTROL LIMITS.
- N1 – SPECTRAL EVIDENCE CONFIRMS THE PRESENCE OF THIS COMPOUND AT A CONCENTRATION BELOW THE CALIBRATION LIMIT.
- U – NONE DETECTED: QUALIFIED DUE TO PRESENCE OF COMPOUND IN THE BLANK.
- NA – COMPOUND NOT INCLUDED IN ANALYSIS.
- ND – NONE DETECTED: LESS THAN DEFAULT DETECTION LIMIT.
- MDL – COMPOUND REPORTED TO METHOD DETECTION LIMIT.
- B – ANALYTE ALSO PRESENT IN LABORATORY METHOD BLANK.

REFERENCE NOTES:

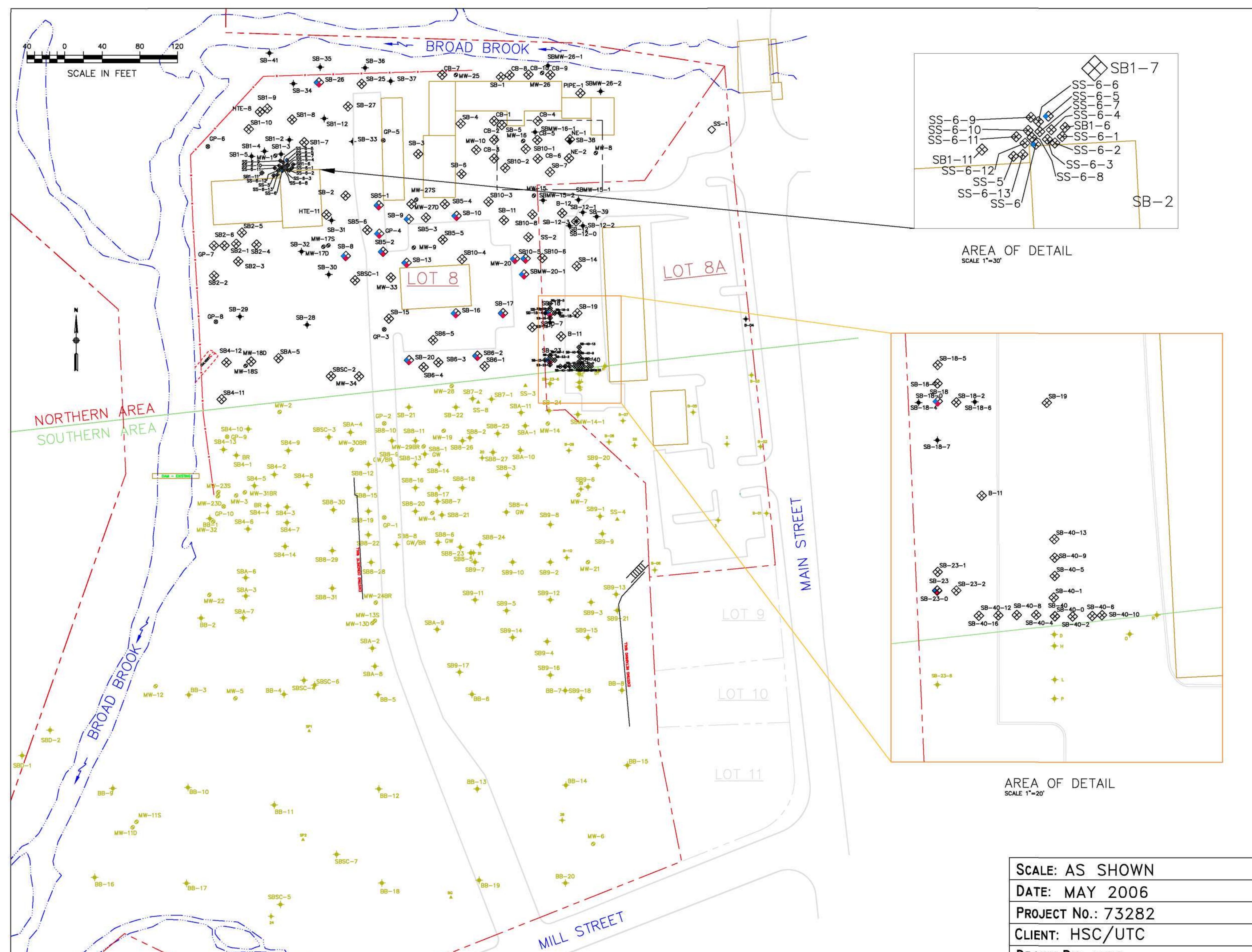
EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED "GRADING PLAN" – MILLBROOK – SECTION III – PHASES 5,6 – PROPERTY OF CJP INCORPORATED" BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990.

LOCATIONS OF ALL MONITORING WELLS AND SOIL BORINGS AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998.

LOCATIONS OF SOIL BORINGS PERFORMED BY EMG, HTE, AND THE DEP ARE APPROXIMATE BASED ON AVAILABLE INFORMATION.

NOTES:

1. SAMPLES WERE COLLECTED AT TWO FOOT INTERVALS TO THE BOTTOM OF THE BORING.
2. THE RESULTS FROM ALL ANALYSES CONDUCTED ON SAMPLES FROM A PARTICULAR LOCATION ARE SHOWN ON THE MAP.
3. APPROXIMATE DEPTH TO GROUNDWATER IS GIVEN TO DETERMINE APPLICABILITY TO THE CT RSR POLLUTANT MOBILITY CRITERIA. IN A GA AREA, THE APPROXIMATE SEASONAL LOW GROUNDWATER LEVEL IS GIVEN.
4. DUPLICATE SAMPLE DATA ARE SEPARATED BY A COMMA WITHIN THE SAMPLING INTERVAL WHERE THE DUPLICATION OCCURS.
5. FIGURE ADOPTED FROM LEA REPORT FIGURE 10A – TOTAL AND EXTRACTABLE METALS IN SOIL – NORTHERN AREA (887016-6)



XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN	TITLE: TOTAL AND EXTRACTABLE METALS IN SOIL – NORTHERN AREA, BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: NRS	DRAWING NO.: FIGURE 12A
CHECKED BY: JP	REV.: B
PROJ. MGMT. APPROVAL: MM	

B05	10/20/1995
Constituent	8' – 10'
METALs (SPLP)	–
Ba (SPLP)	0.53
Depth of Boring	10.00'

B08	10/20/1995
Constituent	12' – 14'
METALs (SPLP)	–
Ba (SPLP)	0.92
Depth of Boring	14.00'

BG	10/27/1994	
Constituent		
METALs	–	
As	0.82	
Ba	61	
Cd	0.50	
Cr	6.0	
Cu	12	
Iron	5000	
Pb	50	
Manganese	320	
Hg	0.07	
Ni	10	
Ag	0.25	
Zn	59	
METALs (TCLP)		–
Ba (TCLP)		0.55
Cd (TCLP)		0.01
Cu (TCLP)		0.01
Pb (TCLP)		0.04
Ni (TCLP)		0.06
Zn (TCLP)		0.29
METALs (TCLP)		–
Iron (TCLP)		0.04
Manganese (TCLP)		0.14
Physical Analyses	ND	
CN	ND	

GP-1	10/29/1996
Constituent	6' – 8'
METALs	–
As	5.36
Ba	63.5
Boron	20
Cr	28.6
Cu	18.9
Pb	41.1
Ni	12.2
Zn	64
Depth of Boring	~ 12.00'
DTGW	~ 10.0'

GP-2	10/29/1996
Constituent	2' – 4'
METALs	–
As	3.07
Ba	95.4
Boron	38
Cr	22.4
Cu	12.8
Ni	16
Zn	41.4
Depth of Boring	12.00'
DTGW	~ 10.5'

HTE-3	08/31/1993
Constituent	5' – 7'
METALs	–
Ba	38
Cr	5.9
Pb	4.3
Depth of Boring	7.00'

HTE-26	08/31/1993
Constituent	6' – 8'
METALs	–
Ba	26
Cr	5.9
Pb	5.6
Depth of Boring	12.00'

MW-13D	01/07/1998		
Constituent	0' – 2'	2' – 4'	4' – 6'
METALs	–		–
As	6.81		8.67
Ba	94.3		206
Cr	25.7		31.3
Cu	37.5		26.5
Pb	71.2		71.7
Hg	0.0844		0.051
Ni	22.7		25.5
Zn	156		120
METALs (SPLP)		–	–
Pb (SPLP)		0.0098	0.0056
Zn (SPLP)		0.118	0.052
Depth of Boring	38.00'		
DTGW	~ 10.8'		

MW-14	12/31/1997
Constituent	2' – 4'
METALs	–
As	2.87
Ba	71.7
Cr	15.3
Pb	26.4
Depth of Boring	15.50'
DTGW	~ 10.2'

MW-19	12/24/1997		
Constituent	0' – 2'	8' – 10'	12' – 14'
METALs	–	–	–
As	3.79	1.7	0.47
Ba	93.2	92.4	50.8
Boron	22	36	14
Cd	3.43	4.36	ND
Cr	24.5	26.2	10.4
Cu	22.9	16.7	5.79
Pb	64.2	ND	ND
Hg	ND	0.371	ND
Ni	11.5	22.2	ND
Zn	104	58.6	26.4
METALs (SPLP)	–		
Pb (SPLP)	0.0136		
Zn (SPLP)	0.071		
Depth of Boring	19.00'		
DTGW	~ 9.3'		

MW-22	01/20/1998
Constituent	0' – 2'
METALs (SPLP)	–
Pb (SPLP)	0.0065
Zn (SPLP)	0.176
Depth of Boring	18.40'
DTGW	~ 9.3'

MW-23D	01/12/1998
Constituent	12' – 14'
METALs	–
Cr	18.6
Depth of Boring	24.25'
DTGW	~ 11.6'

MW-28	12/31/1997		
Constituent	2' – 4'	6' – 8'	12' – 14'
METALs	–	–	–
As	6.48	9.7	0.83
Ba	47.5	204	73.1
Cd	ND	3.62	ND
Cr	25.1	*227*	13.5
Cu		68.5	6.1
Pb	ND	155	ND
Ni	ND	18.6	11.4
Zn	27.1	182	38.1
METALs (SPLP)	–		
Pb (SPLP)	0.0104		
Zn (SPLP)	0.110		
Depth of Boring	17.00'		
DTGW	~ 9.9'		

MW-32	03/23/1998	
Constituent	8' – 10'	12' – 14'
METALs	–	–
As	4.49	ND
Ba	138	57.7
Cr	*146*	27
Depth of Boring	16.00'	
DTGW	~ 9.2'	

SB-21	01/26/1998	
Constituent	6' – 8'	12' – 14'
METALs	–	–
As	3.6	0.7
Ba	99.7	41.4
Cr	20.4	8.59
Cu	14.5	6.04
Pb	325	ND
Ni	13	ND
Zn	96.2	33.4
Depth of Boring	16.00'	
DTGW	~ 10.2'	

SB-22	01/26/1998	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	*10.4*	2.46
Ba	89.1	101
Cr	*132*	21.5
Cu	61.4	10.6
Pb	152	ND
Ni	17.8	ND
Se	1.17	ND
Zn	233	85.5
METALs (SPLP)	–	
Pb (SPLP)	0.0328	
Zn (SPLP)	0.109	
Depth of Boring	16.00'	
DTGW	~ 9.5'	

SB-24	10/31/1997	
Constituent	2' – 4'	8' – 10'
METALs	–	–
As	2.44	0.8
Ba	465	35.3
Cr	15.1	7.58
Cu	9.01	4.94
Zn	26.8	25.5
Depth of Boring	16.00'	
DTGW	~ 10.4'	

SB4-6	01/08/1998
Constituent	12' – 15.5'
METALs	–
Cr	62.2
Depth of Boring	15.50'
DTGW	~ 9.4'

SB4-7	01/08/1998	
Constituent	6' – 8'	12' – 16'
METALs	–	–
As	2.42	
Ba	1530	
Cr	29.1	11.3
METALs (SPLP)	–	
Zn (SPLP)	0.137	
Depth of Boring	16.00'	
DTGW	~ 11.2'	

SB4-8	12/31/1997		
Constituent	6' – 8'	10' – 12'	12' – 14'
METALs	–	–	–
As	9.36	*16.7*	
Ba	93.7	153	
Cd	3.34	7.43	
Cr	*922*	*427*	*154*
Pb	ND	28.5	
METALs (SPLP)	–		
Cr (SPLP)	0.771		
Zn (SPLP)	0.057		
Depth of Boring	16.00'		
DTGW	~ 11.0'		

SB4-9	01/05/1998
Constituent	10' – 12'
METALs	–
Cr	43
Depth of Boring	16.00'
DTGW	~ 10.0'

SB4-10	01/05/1998
Constituent	14' – 15'
METALs	–
Cr	18.6
Depth of Boring	15.00'
DTGW	~ 8.8'

SB4-13	01/05/1998
Constituent	10' – 12'
METALs	–
Cr	36.9
Depth of Boring	12.00'
DTGW	~ 8.4'

SB7-1	01/15/1997	
Constituent	0' – 2'	8' – 10'
METALs	–	ND
As	4.74	
Ba	138	
Boron	33	
Cr	28.2	
Cu	16.3	
Hg	0.132	
Zn	42.7	
METALs (SPLP)	–	
Zn (SPLP)	0.071	
Depth of Boring	14.00'	
DTGW	~ 9.5	

SB7-2	01/15/1997	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	*19.6*	
Ba	58.9	
Boron	44	
Cd	3.83	
Cr	20.7	
Cu	15.8	
Pb	ND	382
Hg	0.252	
Ni	14.7	
Se	3.13	
Zn	36.9	
METALs (SPLP)	–	
Pb (SPLP)	0.0641	
Zn (SPLP)	0.111	
Depth of Boring	12.50'	
DTGW	~ 9.7	

SB8-1	12/31/1996	
Constituent	12' – 14'	14' – 16'
METALs	–	–
As	0.751	0.667
Ba	45.2	38.4
Boron	17	14
Cr	12.8	9.9
Cu	6.98	4.27
Zn	22.2	15.5
Depth of Boring	16.00'	
DTGW	~ 9.5'	

SB8-2	12/27/1996	
Constituent	0' – 2'	6' – 7'
METALs	–	–
As	4.32	1.8
Ba	105	57.3
Boron	40	37
Cr	36.6	18.4
Cu	56.4	10.3
Pb	*1030*	ND
Hg	1.31	ND
Ni	18.7	13.8
Zn	84.3	63.2
METALs (SPLP)	–	
Pb (SPLP)	0.0075	
Depth of Boring	7.00'	
DTGW	~ 8.8'	

SB8-3	12/26/1996	
Constituent	8' – 10'	12' – 14'
METALs	–	–
As	5.61	2.39
Ba	52.6	42.3
Boron	37	22
Cr	14.4	12.4
Cu	12.5	4.75
Hg	0.143	0.344
Zn	76.6	19.6
Depth of Boring	14.00'	
DTGW	~ 8.0'	

SB8-4	01/02/1997
Constituent	8' – 10'
METALs	–
As	0.798
Ba	36.5
Boron	20
Cr	10.4
Cu	6.7
Hg	0.09
Zn	17.1
Depth of Boring	16.00'
DTGW	~ 6.6'

SB8-5	12/27/1996	
Constituent	4' – 6'	10' – 11.8'
METALs	–	–
As	3.83	0.640
Ba	46.5	41.8
Boron	23	21
Cr	39	12.7
Cu	16.6	4.91
Pb	31.4	ND
Hg	0.159	ND
Ni	12.1	ND
Zn	43.1	17.6
METALs (SPLP)	–	
Boron (SPLP)	0.2	
Pb (SPLP)	0.0181	
Zn (SPLP)	0.054	
Depth of Boring	11.80'	
DTGW	~ 7.2'	

SB8-6	12/31/1996
Constituent	8' – 10'
METALs	–
As	0.768
Ba	35.7
Boron	18
Cr	12.6
Zn	23.8
Depth of Boring	16.00'
DTGW	~ 8.2'

SB8-7	12/27/1996	
Constituent	4' – 6'	8' – 10'
METALs	–	–
As	3.8	1.97
Ba	96.7	138
Boron	43	48
Cr	26.1	27.5
Cu	17.5	12.1
Hg	0.325	ND
Ni	15.6	20.3
Zn	45.3	48.3
METALs (SPLP)	–	
Boron (SPLP)	0.2	
Zn (SPLP)	0.063	
Depth of Boring	13.80'	
DTGW	~ 8.4'	

SB8-8	01/02/1997
Constituent	4' – 6'
METALs	–
As	1.95
Ba	59.3
Boron	21
Cr	17.9
Cu	7.38
Ni	12
Zn	67.2
Depth of Boring	13.50'
DTGW	~ 9.7'

SB8-9	01/02/1997
Constituent	2' – 4'
METALs	–
As	2.72
Ba	79.3
Boron	28
Cd	3.72
Cr	57.6
Cu	22.8
Pb	74.5
Hg	0.306
Ni	14.4
Zn	241
METALs (SPLP)	–
Boron (SPLP)	0.2
Pb (SPLP)	0.0241
Zn (SPLP)	0.134
Depth of Boring	10.50'
DTGW	~ 10.3

SB8-10	01/07/1998		
Constituent	2' – 4'	4' – 6'	10' – 12'
METALs		–	–
As		2.48	0.95
Ba		66.2	69.5
Boron		20	22
Cd		3.44	ND
Cr		21.1	16.7
Cu		17.4	6.92
Hg		0.316	ND
Ni		11.8	14.2
Zn		43.2	47.1
METALs (SPLP)	–		
Zn (SPLP)	0.094		
Depth of Boring	18.00'		
DTGW	~ 10.6'		

SB8-11	12/26/1997	
Constituent	6' – 8'	10' – 12'
METALs	–	–
As	3.38	1.81
Ba	73.2	50.9
Boron	26	23
Cr	20.7	19.5
Cu	21.9	18.9
Pb	72.4	ND
Ni	13.1	14.5
Zn	84.6	45.5
Depth of Boring	19.58'	
DTGW	~ 9.9'	

SB8-12	01/06/1998	
Constituent	2' – 4'	8' – 10'
METALs	–	–
As	7.2	2.65
Ba	69.2	90.2
Cr	31.7	21.1
Cu	21.1	16.4
Pb	53.7	ND
Hg	ND	0.375
Ni	13.6	16.5
Zn	97.4	42.3
METALs (SPLP)	–	
As (SPLP)	0.008	
Pb (SPLP)	0.0144	
Zn (SPLP)	0.077	
Depth of Boring	16.00'	
DTGW	~ 11.1'	

SB8-13	12/26/1997		
Constituent	0' – 2'	4' – 6'	6' – 8'
METALs	–	–	–
As	8.9		2.03
Ba	105		66.4
Boron	28		43
Cd	ND		5.64
Cr	84.9		28.0
Cu	34.3		19.7
Pb	38.5		ND
Hg	0.402		ND
Ni	16.4		20.9
Zn	119		49.0
METALs (SPLP)	–	–	
Zn (SPLP)	0.099	0.106	
Depth of Boring	20.00'		
DTGW	~ 9.6'		

SB8-14	12/29/1997	
Constituent	2' – 4'	8' – 10'
METALs	–	–
As	5.29	1.03
Ba	65.2	65.9
Boron	23	25
Cd	ND	3.83
Cr	20.5	18.5
Cu	14.4	12.2
Pb	34.8	ND
Hg	0.676	3.95
Zn	35.9	35.8
Depth of Boring	19.16'	
DTGW	~ 8.6'	

SB8-15	01/07/1998	
Constituent	4' – 6'	8' – 11.5'
METALs	–	–
As	3.4	2.29
Ba	97.4	113
Boron	29	42
Cd	ND	5.06
Cr	29.7	21.3
Cu	14.8	20.3
Pb	209	ND
Hg	0.117	0.118
Ni	14.8	16.8
Zn	83.4	48.2
METALs (SPLP)	–	
Zn (SPLP)	0.094	
Depth of Boring	11.50'	
DTGW	~ 10.9'	

SB8-16	12/26/1997	
Constituent	2' – 4'	6' – 10'
METALs	–	–
As	*21.5*	1.16
Ba	90.4	48.1
Boron	35	37
Cd	4.12	4.79
Cr	*114*	35.4
Cu	55.1	15.4
Pb	88.6	ND
Hg	1.06	ND
Ni	17.9	19.8
Zn	104	44.1
METALs (SPLP)	–	
Zn (SPLP)	0.144	
Depth of Boring	19.83'	
DTGW	~ 9.4'	

SB8-17	12/29/1997	
Constituent	4' – 6'	8' – 10'
METALs	–	–
As	1.87	1.38
Ba	36.3	110
Boron	24	32
Cd	ND	3.56
Cr	13.8	22.4
Cu	10.1	13.3
Ni	11.0	14.6
Zn	27.7	49.1
Depth of Boring	20.00'	
DTGW	~ 13.2'	

SB8-18	01/13/1998	
Constituent	0' – 2'	10' – 12'
METALs	–	–
As	4.73	ND
Ba	84.5	34.7
Boron	30	ND
Cr	27.9	9.67
Cu	17.2	5.0
Hg	0.192	ND
Ni	14.9	13.1
Zn	52.4	52.9
Depth of Boring	17.50'	
DTGW	~ 8.0'	

SB8-19	01/07/1998	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	9.85	1.89
Ba	260	63.3
Boron	60	34
Cd	9.45	4.33
Cr	81.8	16.1
Cu	49.3	17.1
Pb	128	ND
Hg	0.102	ND
Ni	33.2	ND
Zn	759	62.7
METALs (SPLP)	–	
Pb (SPLP)	0.0106	
Zn (SPLP)	0.377	
Depth of Boring	11.50'	
DTGW	~ 10.9'	

SB8-20	01/21/1998	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	5.46	1.41
Ba	123	81.7
Boron	20	38
Cr	*308*	20.2
Cu	81.7	9.03
Pb	89.7	ND
Ni	13.3	17.8
Zn	96.6	67.6
METALs (SPLP)		–
Zn (SPLP)		0.064
Depth of Boring	19.50'	
DTGW	~ 9.2'	

SB8-21	12/29/1997	
Constituent	0' – 2'	8' – 10'
METALs	–	–
As	3.1	1.43
Ba	76.9	70.0
Boron	24	29
Cr	20.2	19.8
Cu	14.4	13.5
Hg	0.258	ND
Ni	13.6	16.0
Zn	46.9	41.3
Depth of Boring	16.00'	
DTGW	~ 8.2'	

SB8-22	01/07/1998	
Constituent	2' – 4'	8' – 10'
METALs	–	–
As	7.33	2.01
Ba	126	82.2
Boron	24	29
Cd	4.39	ND
Cr	70.5	16.8
Cu	31.7	18.8
Pb	139	ND
Hg	1.16	ND
Ni	16.7	14.2
Zn	156	30.6
METALs (SPLP)	–	
Cd (SPLP)	0.0015	
Pb (SPLP)	0.0299	
Zn (SPLP)	0.118	
Depth of Boring	16.00'	
DTGW	~ 10.2'	

SB8-23	01/13/1998		
Constituent	2' – 4'	4' – 6'	10' – 12'
METALs	–	–	–
As	6.96	5.35	ND
Ba	80	90.2	37.2
Boron	35	25	ND
Cd	4.91	3.59	ND
Cr	28.6	25	7.37
Cu	26.2	21.3	ND
Pb	32.3	34.9	ND
Hg	0.339	0.389	ND
Ni	13.3	12.2	ND
Zn	106	72.4	20.8
METALs (SPLP)		–	
Zn (SPLP)		0.117	
Depth of Boring	16.00'		
DTGW	~ 7.6'		

SB8-24	01/13/1998		
Constituent	0' – 2'	4' – 6'	8' – 10'
METALs	–	–	–
As	7.27	1.48	ND
Ba	109	49.3	46.4
Boron	16	20	ND
Cr	89	17	11.4
Cu	28.4	7.12	5.46
Pb	89.1	ND	ND
Ni	13.6	ND	ND
Zn	151	33.7	26.5
METALs (SPLP)	–	–	
Pb (SPLP)	0.0177	ND	
Zn (SPLP)	0.093	0.077	
Depth of Boring	16.00'		
DTGW	~ 7.0'		

SB8-25	01/20/1998	
Constituent	0' – 2'	6' – 8'
METALs	–	–
As	7.4	0.9
Ba	76.9	54.3
Boron	26	14
Cr	23.4	8.16
Cu	27.7	5.03
Pb	102	ND
Zn	29.6	25
Depth of Boring	11.00'	
DTGW	~ 9.2'	

SB8-26	01/20/1998		
Constituent	0' – 2'	6' – 8'	10' – 12'
METALs	–	–	–
As	4.49	1.5	0.79
Ba	51.3	56	31.9
Boron	20	26	12
Cr	16.6	13.1	5.46
Cu	39.5	26.8	ND
Pb	79.2	ND	ND
Ni	ND	11.8	ND
Zn	129	64.5	17.7
METALs (SPLP)	–		
Cd (SPLP)	0.0020		
Zn (SPLP)	0.183		
Depth of Boring	16.00'		
DTGW	~ 9.0'		

SB8-27	01/26/1998	
Constituent	1.6' – 4.0'	8' – 10'
METALs	–	–
As	1.45	0.61
Ba	57.6	40.3
Boron	29	21
Cr	14	13.1
Cu	12.1	6.47
Ni	13.1	ND
Zn	47.2	47.1
Depth of Boring	16.00'	
DTGW	~ 8.8'	

SB9-1	01/15/1997	
Constituent	0' – 2'	4' – 6'
METALs	–	–
As	2.59	1.09
Ba	137	46.2
Boron	31	28
Cr	25.5	19.4
Cu	15.2	4.43
Hg	0.127	ND
Ni	12.8	16.4
Zn	40.3	37.7
Depth of Boring	7.00'	
DTGW	~ 6.0'	

SB9-2	01/15/1997	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	*25.3*	1.45
Ba	60.5	82.2
Boron	80	15
Cd	6.59	ND
Cr	19.8	15.9
Cu	13.9	8.85
Hg	0.106	ND
Ni	ND	16.7
Zn	22.4	234
Depth of Boring	9.00'	
DTGW	~ 6.3'	

SB9-3	01/14/1997	
Constituent	0' – 2'	2' – 4'
METALs	–	–
As	*90.6*	*111*
Ba	90.7	34.4
Boron	48	80
Cd	3.89	6.43
Cr	21.1	14.1
Cu	21.2	12
Pb	101	ND
Hg	0.198	0.108
Ni	18.1	ND
Se	2.13	2.01
Zn	68.9	21.9
METALs (SPLP)	–	
As (SPLP)	0.011	ND
Pb (SPLP)	0.0082	ND
Zn (SPLP)	0.066	0.170
Depth of Boring	9.00'	
DTGW	~ 5.2'	

SB9-4	01/14/1997	
Constituent	0' – 2'	2' – 4'
METALs	–	–
As	1.27	9.95
Ba	67.9	53.2
Boron	17	28
Cr	17.4	12.1
Cu	6.63	11.1
Pb	ND	97.9
Hg	0.219	0.09
Zn	35.3	19.4
METALs (SPLP)		–
Zn (SPLP)		0.133
Depth of Boring	11.90'	
DTGW	~ 9.2'	

SB9-5	01/15/1997	
Constituent	2' – 4'	4' – 6'
METALs	–	–
As	*46.5*	*17.2*
Ba	137	106
Boron	67	59
Cd	5.57	4.77
Cr	44.9	25.3
Cu	25.2	21
Pb	54.1	57.2
Hg	0.466	0.299
Ni	19.3	16
Se	4.16	ND
Zn	65.8	44.2
METALs (SPLP)	ND	
Depth of Boring	11.50'	
DTGW	~ 6.2'	

SB9-6	02/02/1998	
Constituent	0' – 2'	6' – 8'
METALs	–	–
As	4.18	1.39
Ba	187	48.1
Cr	18.4	18.2
Cu	58.1	ND
Pb	*988*	ND
Hg	1.11	ND
Ni	29.3	11.1
Zn	148	38.9
METALs (SPLP)	–	
Zn (SPLP)	0.091	
Depth of Boring	8.00'	
DTGW	~ 7.0'	

SB9-7	02/02/1998		
Constituent	2' – 4'	4' – 6'	6' – 8'
METALs	–	–	–
As	5.08	5.15	1.57
Ba	71.9	68.1	80.9
Cd	ND	4.75	ND
Cr	57	18.1	21.4
Cu	24	11.9	20.7
Pb	46.8	ND	ND
Ni	15.7	ND	19
Zn	57.2	33.3	48.4
METALs (SPLP)	–	–	
Pb (SPLP)	0.0125	ND	
Zn (SPLP)	0.110	0.148	
Depth of Boring	8.00'		
DTGW	~ 7.0'		

SB9-8	02/02/1998	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	0.91	7.57
Ba	86.3	60.1
Cr	12.1	9.72
Cu	6.15	5.63
Zn	47.4	36.6
Depth of Boring	8.00'	
DTGW	~ 6.8'	

SB9-9	02/02/1998		
Constituent	0' – 2'	2' – 4'	6' – 8'
METALs	–	–	–
As	3.08	1.93	1.16
Ba	108	58.2	41
Cr	21.6	18	11.7
Cu	16.8	6.39	ND
Pb	64.7	ND	ND
Ni	14.5	12.7	ND
Zn	91.6	92.8	36
METALs (SPLP)		–	
Pb (SPLP)		0.0077	
Zn (SPLP)		0.270	
Depth of Boring	8.00'		
DTGW	~ 5.6'		

SB9-10	02/02/1998	
Constituent	2' – 4'	6' – 8'
METALs	–	–
Ba	66.8	78.6
Cr	14.5	12.9
Cu	15.1	5.98
Ni	15.4	13.9
Zn	42.2	33.8
Depth of Boring	8.00'	
DTGW	~ 5.8'	

SB9-11	02/02/1998	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	0.73	4.29
Ba	22.7	47.7
Cr	6.94	15.4
Cu	6.72	11.6
Zn	19.6	34.2
Depth of Boring	8.00'	
DTGW	~ 7.5'	

SB9-12	02/02/1998		
Constituent	0' – 2'	4' – 6'	6' – 8'
METALs	–	–	–
As	*12.9*	1.91	*58.8*
Ba	177	60.8	209
Cd	5.35	ND	12.7
Cr	23	22.6	30.2
Cu	30.3	12	15.1
Pb	101	ND	ND
Hg	0.373	ND	ND
Ni	14.2	ND	12.6
Se	8.36	ND	ND
Zn	57.1	44	49.1
METALs (SPLP)	–		
As (SPLP)	0.014		
Pb (SPLP)	0.0066		
Zn (SPLP)	0.133		
Depth of Boring	8.00'		
DTGW	~ 6.2'		

SB9-13	02/02/1998	
Constituent	0' – 2'	2' – 4'
METALs	–	–
As	*283*	2.02
Ba	35.2	76.2
Cd	9.68	ND
Cr	8.87	18.8
Cu	17	15.5
Ni	ND	13.8
Se	2.93	ND
Zn	62.2	59.6
METALs (SPLP)	–	
Zn (SPLP)	0.111	
Depth of Boring	4.00'	
DTGW	~ 5.5'	

SB9-14	02/02/1998	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	3.79	2.34
Ba	178	47.2
Cr	38	13.6
Cu	20.8	14.4
Ni	31	13
Zn	79.1	28.5
Depth of Boring	8.00'	
DTGW	~ 8.9'	

SB9-15	02/04/1998	
Constituent	0' – 4'	5.7' – 8'
METALs	–	–
As	*66.3*	3.25
Ba	139	197
Cd	5.83	ND
Cr	28	23.3
Cu	44.5	ND
Pb	*1530*	ND
Ni	13	13.9
Se	4.56	ND
Zn	47.6	38.5
METALs (SPLP)	–	
Zn (SPLP)	0.143	
Depth of Boring	9.00'	
DTGW	~ 9.0'	

SB9-16	02/02/1998	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	*104*	3.74
Ba	196	109
Cd	4.16	ND
Cr	22.3	19.9
Cu	26.5	15.8
Pb	49.1	ND
Hg	2.7	ND
Ni	21.9	19.4
Se	2.98	ND
Zn	57.5	48.4
METALs (SPLP)	–	
Zn (SPLP)	0.082	
Depth of Boring	8.00'	
DTGW	~ 11.2'	

SB9-17	03/25/1998		
Constituent	0' – 2'	2' – 4'	6' – 8'
METALs	–	–	–
As	2.79	3.52	ND
Ba	135	112	41.4
Cr	32.1	23.7	12.5
METALs (SPLP)		ND	
Depth of Boring	10.00'		
DTGW	~ 9.3'		

SB9-18	03/26/1998	
Constituent	0' – 4'	4' – 6.5'
METALs	–	–
As	3.31	3.93
Ba	134	81.1
Cr	26.2	18.7
Pb	ND	27.4
Depth of Boring	6.50'	
DTGW	~ 10.6	

SB9-20	03/26/1998	
Constituent	0' – 4'	4' – 5.5'
METALs	–	–
As	2.93	3.21
Ba	136	143
Cr	26.4	22.8
Pb	49.3	139
Depth of Boring	5.50'	
DTGW	~ 7.9	

SBA-1	01/15/1997
Constituent	0' – 2'
METALs	–
As	4.17
Ba	50.1
Boron	19
Cr	16.3
Cu	13.6
Hg	0.118
Ni	11.3
Zn	31.1
Depth of Boring	8.00'
DTGW	~ 9.4

SBA-2	01/13/1997
Constituent	2' – 4'
METALs	–
As	7.4
Ba	259
Boron	27
Cr	20.4
Cu	21.3
Pb	138
Hg	0.37
Ni	19.5
Zn	103
METALs (SPLP)	–
Boron (SPLP)	0.1
Pb (SPLP)	0.0553
Zn (SPLP)	0.126
Depth of Boring	11.90'
DTGW	~ 10.4

SBA-3	01/10/1997
Constituent	2' – 4'
METALs	–
As	3.19
Ba	107
Boron	47
Cr	25.7
Cu	16.3
Hg	0.209
Ni	17
Zn	47.3
METALs (SPLP)	–
Hg (SPLP)	0.0030
Zn (SPLP)	0.051
Depth of Boring	12.50'
DTGW	~ 9.0

SBA-4	01/27/1998		
Constituent	0' – 1.7'	4' – 7.5'	12' – 13'
METALs	–	–	–
As	5.12	0.7	1.85
Ba	95.8	36.7	112
Cr	20	8.37	22.9
Cu	18.7	9.1	16.8
Hg	1.12	ND	ND
Ni	15.7	ND	22.9
Zn	81.1	29.8	62.8
Depth of Boring	13.00'		
DTGW	~ 10.8'		

SBA-6	02/03/1998		
Constituent	2' – 4'	4' – 6'	8' – 10'
METALs	–	–	–
As	8.07	6.48	0.79
Ba	93.7	89.4	21.8
Cr	17.6	19.9	8.01
Cu	19.5	30.4	ND
Pb	ND	39.6	ND
Ni	13.5	18.2	ND
Zn	28.5	44	25.3
METALs (SPLP)	–		
Zn (SPLP)	0.076		
Depth of Boring	16.00'		
DTGW	~ 8.9'		

SBA-7	02/03/1998		
Constituent	2' – 4'	4' – 6.6'	8' – 10.1'
METALs	–	–	–
As	4.54	3.42	1.05
Ba	127	98.7	22.3
Boron	52	38	ND
Cr	32.1	23.7	6.7
Cu	35.6	21.7	ND
Pb	70	74.2	ND
Ni	31.6	16.4	ND
Zn	100	111	25.2
METALs (SPLP)	–		
Pb (SPLP)	0.0119		
Zn (SPLP)	0.075		
Depth of Boring	15.00'		
DTGW	~ 8.7'		

SBA-8	02/03/1998	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	8.88	5.3
Ba	349	225
Cr	28.6	42.2
Cu	24.2	32.1
Ni	33.4	39.7
Zn	89.7	107
METALs (SPLP)	–	
Pb (SPLP)	0.0052	
Zn (SPLP)	0.116	
Depth of Boring	16.00'	
DTGW	~ 10.1'	

SBA-9	02/04/1998	
Constituent	1.5' – 4'	6' – 8'
METALs	–	–
As	*10.2*	*146*
Ba	55.7	501
Cd	ND	7.76
Cr	11.2	81.1
Cu	27.5	41.7
Pb	ND	258
Ni	11.5	19.1
Zn	40.7	106
METALs (SPLP)		–
Zn (SPLP)		0.081
Depth of Boring	12.00'	
DTGW	~ 8.9'	

SBA-10	01/30/1998	
Constituent	2' – 4'	6' – 8'
METALs	–	–
As	1.33	0.6
Ba	39.2	59.3
Cr	12.1	19.7
Cu	10.7	4.86
Ni	ND	13.8
Zn	30	33.7
Depth of Boring	10.00'	
DTGW	~ 9.1'	

SBA-11	01/30/1998		
Constituent	2' – 4'	4' – 6'	6' – 8'
METALs	–	–	–
As	4.94	1.33	1.25
Ba	65.7	71.5	33.4
Cr	37.8	15	10.4
Cu	17.6	4.88	6.35
Pb	58.6	ND	ND
Ni	14.6	ND	14.1
Zn	49.8	27.2	38.6
METALs (SPLP)	–		
Zn (SPLP)	0.062		
Depth of Boring	12.00'		
DTGW	~ 9.2'		

SBD-1	02/03/1998
Constituent	3' – 3.5'
METALs	–
As	3.32
Ba	149
Boron	54
Cr	35.6
Cu	19
Ni	28.1
Zn	111
Depth of Boring	3.50'
DTGW	~ 8.3'

SBD-2	02/03/1998
Constituent	2' – 2.5'
METALs	–
As	2.09
Ba	108
Boron	48
Cr	22.9
Cu	10.4
Ni	17.2
Zn	74.2
Depth of Boring	2.50'
DTGW	~ 9.4'

SBMW-14-1	12/30/1997
Constituent	6' – 8'
METALs	–
As	6.38
Ba	89.3
Cr	15.2
Pb	257
Hg	0.348
METALs (SPLP)	ND
Depth of Boring	15.75'
DTGW	~ 11.2'

SBSC-3	01/09/1997
Constituent	8' – 10'
METALs	–
As	6.02
Ba	234
Boron	84
Cd	5.27
Cr	51.2
Cu	32.2
Hg	0.151
Ni	40.2
Zn	89.4
Depth of Boring	11.00'
DTGW	~ 10.5'

SBSC-4	02/03/1998	
Constituent	8' – 10'	13.6' – 16'
METALs	–	–
As	4.23	9.7
Ba	172	86.2
Boron	75	29
Cr	38.9	*111*
Cu	27	97.9
Pb	ND	117
Ni	30.8	40.3
Zn	84.5	182
Depth of Boring	16.00'	
DTGW	~ 10.4'	

SBSC-5	02/04/1998	
Constituent	6' – 8'	12' – 16'
METALs	–	–
As	4.41	1.47
Ba	182	117
Boron	81	20
Cr	38.6	11.3
Cu	30.7	7.09
Ni	37.1	ND
Zn	111	35.7
METALs (SPLP)	–	
Ba (SPLP)	2.51	
Cr (SPLP)	0.064	
Cu (SPLP)	0.072	
Pb (SPLP)	0.0323	
Zn (SPLP)	0.686	
Depth of Boring	16.00'	
DTGW	~ 7.5'	

SB-40-03		
Sample Date	12/17/2004	12/17/2004
Constituent	0' – 2'	2' – 4'
METALs	–	
Pb (SPLP)	0.028	0.00017
Depth of Boring	4.0'	

SB-40-07	
Sample Date	12/17/2004
Constituent	0' – 2'
METALs	–
Pb (SPLP)	0.037
Depth of Boring	4.0'

SB-40-14	12/17/2004		
Constituent	0' – 2'	2' – 4'	4' – 6'
METALs	–		
Pb (SPLP)	0.015	0.047	0.014
Depth of Boring	6.0'		

SB-40-17	12/17/2004		
Constituent	0' – 2'	2' – 4'	4' – 6'
METALs	–		
Pb (SPLP)	0.0012	0.015	0.016
Depth of Boring	6.0'		

SP1	10/27/1994	
Constituent		
METALs	–	
As	0.76	
Ba	63	
Cd	0.25	
Cr	6.5	
Cu	12	
Iron	5700	
Pb	10	
Manganese	330	
Hg	0.08	
Ni	11	
Ag	0.25	
Zn	28	
METALs (SPLP)		–
Ba (SPLP)		0.69
Cd (SPLP)		0.01
Cr (SPLP)		0.02
Cu (SPLP)		0.01
Pb (SPLP)		0.01
Ni (SPLP)		0.11
Ag (SPLP)		0.01
Zn (SPLP)		0.13
METALs (TCLP)		–
Iron (TCLP)		0.02
Manganese (TCLP)		0.11
Physical Analyses	ND	
CN	ND	

SP2	10/27/1994		
Constituent			
METALs	–	–	
As	0.86		
Ba	69		
Cd	0.50		
Cr	9.3		
Cu	15		
Iron		11000	
Pb	9.5		
Manganese		230	
Hg		0.01	
Ni	17		
Ag		0.50	
Zn	35		
METALs (SPLP)			–
Ba (SPLP)			0.51
Cd (SPLP)			0.01
Cr (SPLP)			0.01
Ni (SPLP)			0.05
Zn (SPLP)			0.12
METALs (TCLP)			–
Iron (TCLP)			0.05
Manganese (TCLP)			0.32
Physical Analyses		ND	
CN		ND	

SS-3	12/18/1997
Constituent	0.13' – 0.38'
METALs	–
Hg	0.659
Depth of Boring	0.38'

SS-4	12/18/1997
Constituent	0.13' – 0.38'
METALs	ND
Depth of Boring	0.38'

BB-01		05/11/2005
Constituent	2' – 4'	14' – 16'
METALs	–	
As	4.6	0.57
Ba	242	78.1
Boron	12.3	0.65 B
Cadmium	5.8	ND
Cr	*328*	10.3
Cu	872	4.2
Pb	134	3.8
Hg	1.0	ND
Ni	175	7.1
Selenium	0.86 B	ND
Silver	38.7	ND
Zinc	806	18.2
METALs (SPLP)	–	
Ba (SPLP)	0.10 B	
Boron (SPLP)	0.041 B	
Cr (SPLP)	0.0068 B	
Cu (SPLP)	0.021 B	
Pb (SPLP)	0.0082	
Ni (SPLP)	0.0022 B	
Silver (SPLP)	0.0020 B	
Zn (SPLP)	0.018 B	
Depth of Boring	16.0'	
DTGW	–	

BB-02		05/11/2005
Constituent	2' – 4'	10' – 12'
METALs	–	
As	1.9	0.68
Ba	90.5	60.3
Boron	1.1 B	1.2 B
Cadmium	0.039 B	ND
Cr	18.8	8.5
Cu	23.7	3.7
Pb	20.2	3.9
Hg	0.16	0.011 B
Ni	19.3	7.3
Selenium	ND	ND
Silver	0.31 B	ND
Zinc	57.2	19.9
METALs (SPLP)	–	
Ba (SPLP)	0.050 B	
Boron (SPLP)	0.13	
Cr (SPLP)	0.0085 B	
Cu (SPLP)	0.011 B	
Pb (SPLP)	0.021	
Hg (SPLP)	0.00010 B	
Ni (SPLP)	0.0041 B	
Zn (SPLP)	0.031 B	
Depth of Boring	16.0'	
DTGW	–	

BB-03		05/11/2005
Constituent	4' – 6'	14' – 16'
METALs	–	
As	1.7	1.5
Ba	52.2	86.4
Boron	0.46 B	2.0 B
Cadmium	ND	ND
Cr	16.0	14.4
Cu	8.4	6.0
Pb	6.3	5.2
Hg	ND	ND
Ni	12.5	11.5
Selenium	ND	ND
Silver	ND	ND
Zinc	32.5	29.4
METALs (SPLP)	–	
Ba (SPLP)	0.0047 B	
Boron (SPLP)	0.083 B	
Cr (SPLP)	0.00085 B	
Zn (SPLP)	0.0052 B	
Depth of Boring	16.0'	
DTGW	–	

BB-04		05/11/2005
Constituent	2' – 4'	14' – 16'
METALs	–	
As	1.6	2.2
Ba	73.6	58.7
Boron	ND	0.20 B
Cadmium	ND	ND
Cr	16.2	26.0
Cu	13.3	24.5
Pb	6.0	14.9
Hg	ND	0.18
Ni	14.9	12.5
Selenium	ND	0.55 B
Silver	ND	ND
Zinc	35.9	48.2
METALs (SPLP)	–	
Ba (SPLP)	0.048 B	
Boron (SPLP)	0.046 B	
Cr (SPLP)	0.0025 B	
Cu (SPLP)	0.0045 B	
Ni (SPLP)	0.0019 B	
Zn (SPLP)	0.012 B	
Depth of Boring	16.0'	
DTGW	–	

BB-05		05/11/2005
Constituent	4' – 6'	10' – 12'
METALs	–	
As	4.8	1.8
Ba	241	58.7
Boron	ND	ND
Cadmium	ND	ND
Cr	40.6	17.0
Cu	39.8	10.3
Pb	16.0	7.0
Hg	0.015 B	ND
Ni	38.6	13.7
Selenium	ND	0.49 B
Silver	ND	ND
Zinc	83.9	29.7
METALs (SPLP)	–	
Ba (SPLP)	0.19 B	
Boron (SPLP)	0.065 B	
Cr (SPLP)	0.017	
Cu (SPLP)	0.019 B	
Pb (SPLP)	0.0052	
Ni (SPLP)	0.015 B	
Zn (SPLP)	0.041	
Depth of Boring	12.4'	
DTGW	–	

BB-06		05/11/2005
Constituent	4' – 6'	10' – 12'
METALs	–	
As	2.1	1.7
Ba	79.7	107
Boron	ND	0.21 B
Cadmium	ND	ND
Cr	12.9	12.7
Cu	11.3	13.5
Pb	4.7	5.4
Hg	0.018	ND
Ni	10.3	14.1
Selenium	0.33 B	ND
Silver	ND	ND
Zinc	29.5	39.5
METALs (SPLP)	–	
Ba (SPLP)	0.043 B	
Boron (SPLP)	0.034 B	
Cr (SPLP)	0.0023 B	
Cu (SPLP)	0.0048 B	
Ni (SPLP)	0.0010 B	
Zn (SPLP)	0.011 B	
Depth of Boring	13.5'	
DTGW	–	

BB-07		05/11/2005
Constituent	2' – 4'	8' – 10'
METALs	–	
As	*24.1*	*12.6*
Ba	38.8	89.5
Boron	ND	1.2 B
Cadmium	3.9	ND
Cr	5.3	23.1
Cu	8.6	14.0
Pb	14.5	18.8
Hg	0.15	0.024 B
Ni	5.6	16.9
Selenium	2.1	ND
Silver	ND	ND
Zinc	16.4	56.0
METALs (SPLP)	–	
Ba (SPLP)	0.014 B	
Boron (SPLP)	0.024 B	
Zn (SPLP)	0.0083 B	
Depth of Boring	15.3'	
DTGW	–	

BB-08		05/11/2005
Constituent	4' – 6'	12' – 14'
METALs	–	
As	3.3	2.7
Ba	94.7	49.7
Boron	ND	ND
Cadmium	ND	ND
Cr	18.0	12.3
Cu	10.4	2.5 B
Pb	20.2	3.5
Hg	0.049	ND
Ni	7.7	7.7
Selenium	1.2	ND
Silver	ND	ND
Zinc	39.7	20.4
METALs (SPLP)	–	
Ba (SPLP)	0.044 B	
Boron (SPLP)	0.030 B	
Cr (SPLP)	0.0038 B	
Cu (SPLP)	0.0047 B	
Pb (SPLP)	0.0038 B	
Ni (SPLP)	0.0015 B	
Zn (SPLP)	0.014 B	
Depth of Boring	15.0'	
DTGW	–	

BB-12		05/12/2005
Constituent	4' – 6'	12' – 14'
METALs	–	
As	5.8	0.65
Ba	79.2	34.3
Boron	3.0 B	0.51 B
Cadmium	ND	ND
Cr	13.7	6.3
Cu	13.1	1.9 B
Pb	17.6	2.7
Hg	0.018 B	0.027 B
Ni	11.6	6.4
Selenium	ND	ND
Silver	ND	ND
Zinc	34.3	16.4
METALs (SPLP)	–	
As (SPLP)	0.0075	
Ba (SPLP)	0.14 B	
Boron (SPLP)	0.15	
Cr (SPLP)	0.017	
Cu (SPLP)	0.024 B	
Pb (SPLP)	0.017	
Ni (SPLP)	0.015 B	
Zn (SPLP)	0.051	
Depth of Boring	16.0'	
DTGW	–	

BB-16		05/11/2005
Constituent	2' – 4'	12' – 14'
METALs	–	
As	2.6	1.7
Ba	43.7	93.9
Boron	ND	0.88 B
Cadmium	ND	ND
Cr	16.3	11.9
Cu	10.7	9.7
Pb	43.5	4.5
Hg	0.18	ND
Ni	5.9	10.3
Selenium	0.95 B	0.40 B
Silver	ND	ND
Zinc	25.5	24.0
METALs (SPLP)	–	
Ba (SPLP)	0.017 B	
Boron (SPLP)	0.19	
Cr (SPLP)	0.0065 B	
Cu (SPLP)	0.012 B	
Pb (SPLP)	0.0093	
Hg (SPLP)	0.000073 B	
Ni (SPLP)	0.0024 B	
Zn (SPLP)	0.021	
Depth of Boring	16.0'	
DTGW	–	

BB-09		05/11/2005
Constituent	2' – 4'	10' – 12'
METALs	–	
As	2.5	1.5
Ba	68.7	57.9
Boron	ND	0.50 B
Cadmium	ND	ND
Cr	14.3	9.0
Cu	9.8	7.0
Pb	65.3	3.9
Hg	0.13	ND
Ni	7.8	10.0
Selenium	0.55 B	ND
Silver	ND	ND
Zinc	33.0	23.8
METALs (SPLP)	–	
As (SPLP)	0.0027 B	
Ba (SPLP)	0.013 B	
Boron (SPLP)	0.12	
Cr (SPLP)	0.0031 B	
Cu (SPLP)	0.0056 B	
Pb (SPLP)	0.011	
Ni (SPLP)	0.0023 B	
Zn (SPLP)	0.012 B	
Depth of Boring	16.0'	
DTGW	–	

BB-13		05/12/2005
Constituent	2' – 4'	10' – 12'
METALs	–	
As	3.6	0.66
Ba	67.6	30.9
Boron	2.0 B	0.39 B
Cadmium	ND	ND
Cr	31.3	6.5
Cu	16.1	1.7 B
Pb	48.2	2.7
Hg	0.48	ND
Ni	13.8	5.9
Selenium	ND	ND
Silver	ND	ND
Zinc	73.2	15.0
METALs (SPLP)	–	
As (SPLP)	0.0046 B	
Ba (SPLP)	0.059 B	
Boron (SPLP)	0.16	
Cr (SPLP)	0.0095 B	
Cu (SPLP)	0.014 B	
Pb (SPLP)	0.029	
Hg (SPLP)	0.00045	
Ni (SPLP)	0.0067 B	
Zn (SPLP)	0.046	
Depth of Boring	16.0'	
DTGW	–	

BB-17		05/11/2005
Constituent	4' – 6'	12' – 14'
METALs	–	
As	4.0	1.4
Ba	182	75.2
Boron	ND	0.17 B
Cadmium	ND	ND
Cr	38.7	9.5
Cu	28.9	4.6
Pb	11.6	6.9
Hg	0.020 B	0.017 B
Ni	33.0	6.1
Selenium	1.0 B	0.36 B
Silver	ND	ND
Zinc	78.8	17.3
METALs (SPLP)	–	
As (SPLP)	0.014	
Ba (SPLP)	0.84	
Boron (SPLP)	0.26	
Cr (SPLP)	0.11	
Cu (SPLP)	0.16	
Pb (SPLP)	0.053	
Ni (SPLP)	0.12	
Selenium (SPLP)	0.0033 B	
Zn (SPLP)	0.25	
Depth of Boring	16.0'	
DTGW	–	

BB-10		05/11/2005
Constituent	2' – 4'	8' – 10'
METALs	–	
As	6.9	1.1
Ba	205	26.6
Boron	ND	0.17 B
Cadmium	ND	ND
Cr	37.7	7.3
Cu	33.3	4.5
Pb	13.0	2.8
Hg	0.026 B	ND
Ni	36.0	6.7
Selenium	1.1	ND
Silver	ND	ND
Zinc	90.0	14.7
METALs (SPLP)	–	
As (SPLP)	0.014	
Ba (SPLP)	0.62	
Boron (SPLP)	0.19	
Cr (SPLP)	0.095	
Cu (SPLP)	0.096	
Pb (SPLP)	0.040	
Ni (SPLP)	0.089	
Selenium (SPLP)	0.0034 B	
Zn (SPLP)	0.20	
Depth of Boring	14.0'	
DTGW	–	

BB-14		05/12/2005
Constituent	4' – 6'	10' – 12'
METALs	–	
As	2.9	0.53 B
Ba	78.7	86.9
Boron	0.68 B	0.26 B
Cadmium	ND	ND
Cr	18.3	7.8
Cu	12.0	3.0
Pb	18.4	2.6
Hg	0.15	ND
Ni	14.0	5.8
Selenium	ND	ND
Silver	ND	ND
Zinc	45.0	14.1
METALs (SPLP)	–	
As (SPLP)	0.0064	
Ba (SPLP)	0.31	
Boron (SPLP)	0.15	
Cr (SPLP)	0.044	
Cu (SPLP)	0.041	
Pb (SPLP)	0.025	
Ni (SPLP)	0.039 B	
Selenium (SPLP)	0.0030 B	
Zn (SPLP)	0.10	
Depth of Boring	16.0'	
DTGW	–	

BB-18		05/12/2005
Constituent	2' – 4'	12' – 14'
METALs	–	
As	2.5	1.4
Ba	84.5	61.7
Boron	1.6 B	1.4 B
Cadmium	ND	ND
Cr	15.1	20.0
Cu	12.6	5.2
Pb	39.7	16.0
Hg	0.10	0.032 B
Ni	14.0	8.5
Selenium	ND	ND
Silver	ND	ND
Zinc	74.6	79.2
METALs (SPLP)	–	
As (SPLP)	0.0082	
Ba (SPLP)	0.25	
Boron (SPLP)	0.17	
Cr (SPLP)	0.026	
Cu (SPLP)	0.041	
Pb (SPLP)	0.058	
Hg (SPLP)	0.00032	
Ni (SPLP)	0.026 B	
Zn (SPLP)	0.14	
Depth of Boring	16.0'	
DTGW	–	

BB-11		05/11/2005
Constituent	2' – 4'	14' – 16'
METALs	–	
As	3.4	0.90
Ba	197	41.2
Boron	0.62 B	0.46 B
Cadmium	ND	ND
Cr	33.8	8.6
Cu	29.0	2.0 B
Pb	11.8	3.4
Hg	0.016 B	0.015 B
Ni	34.0	6.1
Selenium	ND	ND
Silver	ND	ND
Zinc	78.5	15.3
METALs (SPLP)	–	
As (SPLP)	0.012	
Ba (SPLP)	0.48	
Boron (SPLP)	0.30	
Cr (SPLP)	0.062	
Cu (SPLP)	0.076	
Pb (SPLP)	0.023	
Ni (SPLP)	0.061	
Zn (SPLP)	0.14	
Depth of Boring	16.0'	
DTGW	–	

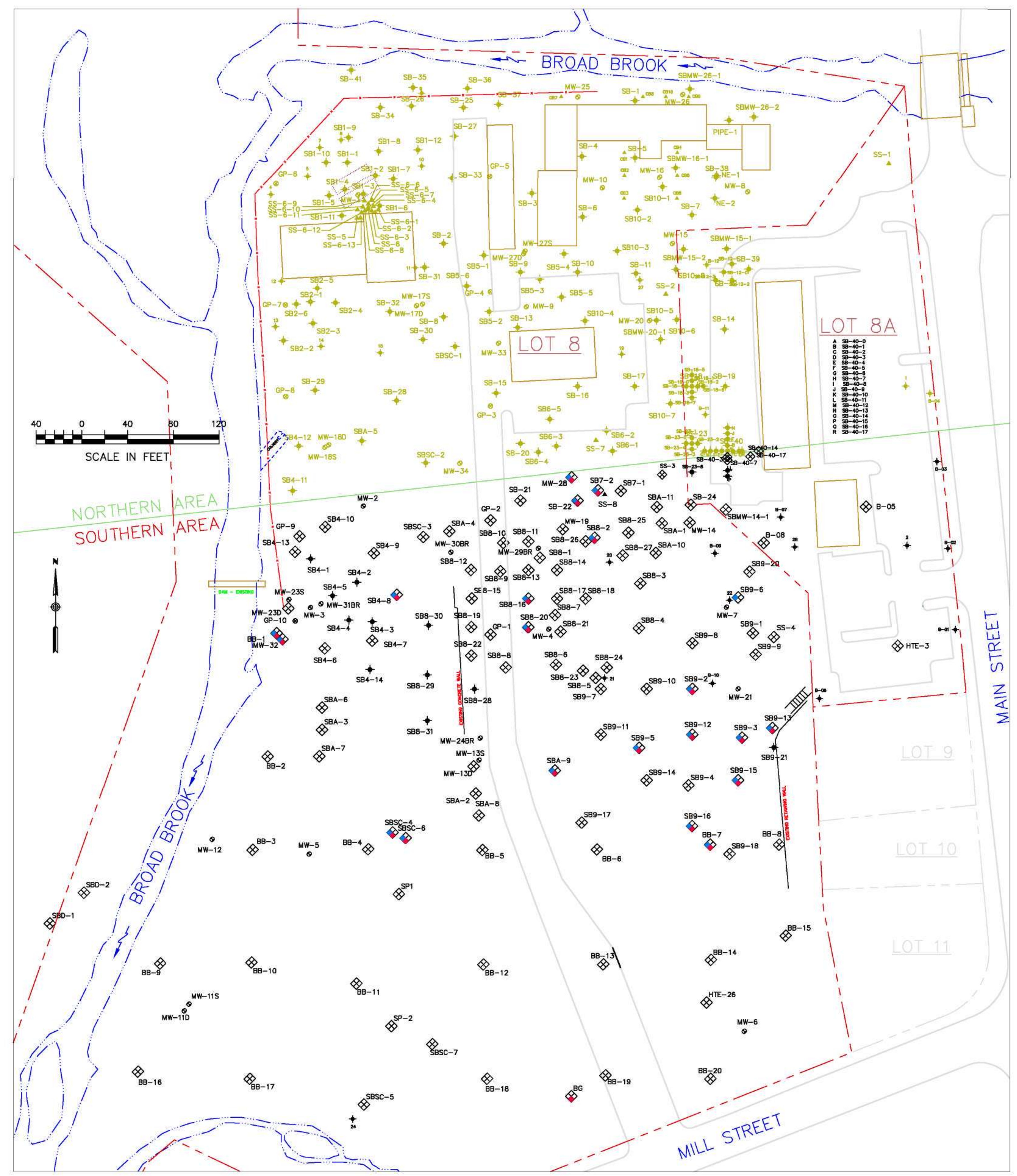
BB-15		05/12/2005
Constituent	2' – 4'	10' – 12'
METALs	–	
As	1.7	1.3
Ba	71.1	56.9
Boron	0.71 B	ND
Cadmium	ND	ND
Cr	11.2	24.0
Cu	9.0	4.8
Pb	11.1	8.6
Hg	0.097	ND
Ni	8.6	23.1
Selenium	ND	0.50 B
Silver	ND	ND
Zinc	38.0	70.6
METALs (SPLP)	–	
Ba (SPLP)	0.027 B	
Boron (SPLP)	0.066 B	
Cr (SPLP)	0.00062 B	
Ni (SPLP)	0.0012 B	
Zn (SPLP)	0.0059 B	
Depth of Boring	12.0'	
DTGW	–	

BB-19	05/12/2005
Constituent	2' – 4'
METALs	–
As	2.1
Ba	49.2
Boron	1.1 B
Cadmium	ND
Cr	10.5
Cu	9.2
Pb	5.4
Hg	0.021 B
Ni	9.8
Selenium	ND
Silver	ND
Zinc	30.1
METALs (SPLP)	–
As (SPLP)	0.0059
Ba (SPLP)	0.28
Boron (SPLP)	0.23
Cr (SPLP)	0.036
Cu (SPLP)	0.042
Pb (SPLP)	0.017
Ni (SPLP)	0.031 B
Zn (SPLP)	0.076
Depth of Boring	8.3'
DTGW	–

BB-20		05/12/2005
Constituent	4' – 6'	10' – 12'
METALs	–	
As	3.9	3.6
Ba	69.3	129
Boron	1.5 B	0.25 B
Cadmium	ND	ND
Cr	16.5	15.5
Cu	11.6	8.0
Pb	30.0	4.4
Hg	0.079	0.016 B
Ni	12.0	8.3
Selenium	ND	ND
Silver	ND	ND
Zinc	40.1	24.9
METALs (SPLP)	–	
As (SPLP)	0.0041 B	
Ba (SPLP)	0.056 B	
Boron (SPLP)	0.13	
Cr (SPLP)	0.0046 B	
Cu (SPLP)	0.014 B	
Pb (SPLP)	0.0096	
Hg (SPLP)	0.000068 B	
Ni (SPLP)	0.0038 B	
Zn (SPLP)	0.024	
Depth of Boring	16.0'	
DTGW	–	

SBSC-6			05/11/2005
Constituent	2' – 4'	4' – 6'	12' – 14'
METALs	–		
As	2.8	2.9	8.6
Ba	89.9	159	490
Boron	ND	ND	7.1 B
Cadmium	ND	ND	0.62 B
Cr	21.3	30.1	*4340*
Cu	19.3	28.1	490
Pb	11.9	27.2	*634*
Hg	0.018 B	0.020 B	4.1
Ni	17.6	38.7	11.3
Selenium	ND	ND	1.5 B
Silver	ND	ND	2.4
Zinc	53.9	80.7	196
METALs (SPLP)	–		
As (SPLP)	ND	0.0024 B	
Ba (SPLP)	0.070 B	0.11 B	
Boron (SPLP)	0.038 B	0.045 B	
Cr (SPLP)	0.0040 B	0.0097 B	
Cu (SPLP)	0.0065 B	0.015 B	
Pb (SPLP)	ND	0.0069	
Ni (SPLP)	0.0029 B	0.0062 B	
Zn (SPLP)	0.014 B	0.035	
Depth of Boring	16.0'		
DTGW	–	–	

SBSC-7	05/11/2005
Constituent	14' – 16'
METALs	–
As	5.6
Ba	202
Boron	ND
Cadmium	0.23 B
Cr	55.3
Cu	33.3
Pb	16.3
Hg	0.35
Ni	39.7
Selenium	0.87 B
Silver	ND
Zinc	97.0
Depth of Boring	16.0'
DTGW	–



DATA BLOCK LEGEND

LOCATION IDENTIFIER — ET-SB-06 | 11/06/1997 — SAMPLE DATE

ET-SB-06	11/06/1997		
Constituent	0' – 2'	2' – 4'	4' – 6'
As	2.4		
Pb	15.8 J		
TPH			*900*
VOCs			ND
Depth of Boring ~	16.00'		
DTGW	~ 12.00'		

- BLANK CELL INDICATES NO ANALYSIS CONDUCTED
- "J" IS A CONSTITUENT CONCENTRATION QUALIFIER
- DASH INDICATES DETECT(S) IN CONSTITUENT GROUP
- ITALICIZED AND RED (COLORED DRAWINGS) CONSTITUENT CONCENTRATION INDICATES AN EXCEEDANCES OF A CT RSR CRITERIA.

NOTES:

THE RESPECTIVE UNITS FOR SOILS IN WHICH QUANTIFIABLE CONCENTRATIONS ARE DETECTED ARE AS FOLLOWS: TOTAL METALS – MILLIGRAMS PER KILOGRAM (mg/kg); TCLP & SPLP METALS & CYANIDE – MILLIGRAMS PER LITER (mg/l).

LEGEND

- MONITORING WELL (MW) (NOT ANALYZED)
- MONITORING WELL (MW) (NOT ASSOCIATED W/ AREA)
- SOIL BORING (SB) (NOT ANALYZED)
- SOIL BORING (SB) (NOT ASSOCIATED W/ AREA)
- SAMPLE W/ DETECT BUT NO EXCEEDANCES
- SAMPLE ANALYZED BUT NO DETECTS
- SCREEN POINT (GP) (NOT ANALYZED)
- SCREEN POINT (GP) (NOT ASSOCIATED W/AREA)
- SOIL SAMPLE (SS) (NOT ANALYZED)
- SOIL SAMPLE (SS) (NOT ASSOCIATED W/AREA)

SOIL EXCEEDANCES

RESIDENTIAL DIRECT EXPOSURE CRITERIA (RDEC)

(IndDEC) INDUSTRIAL DIRECT EXPOSURE CRITERIA

PMC exceedances are not considered due to the polluted fill exemption being applied at the Site

ABBREVIATIONS

As	Arsenic
Ba	Barium
Cd	Cadmium
CN	Cyanide
Cr	Chromium (total)
Cu	Copper
Pb	Lead
Hg	Mercury
Ni	Nickel
Se	Selenium
Ag	Silver
Zn	Zinc

CONSTITUENT CONCENTRATION QUALIFIERS

J – ESTIMATED VALUE: SAMPLE ANALYZED AFTER TWO WEEK HOLDING TIME HAD EXPIRED.
J1 – ESTIMATED VALUE: % DIFFERENCE OF DAILY CALIBRATION STANDARD OUTSIDE CONTROL LIMITS.
J11 – ESTIMATED VALUE: CONCENTRATION ABOVE CALIBRATION RANGE.
UJ – ESTIMATED VALUE/NON-DETECT: SAMPLE ANALYZED PAST HOLD TIME FOR THIS COMPOUND.
UJ1 – ESTIMATED VALUE/NON-DETECT % DIFFERENCE OF DAILY CALIBRATION STANDARD OUTSIDE CONTROL LIMITS.
N1 – SPECTRAL EVIDENCE CONFIRMS THE PRESENCE OF THIS COMPOUND AT A CONCENTRATION BELOW THE CALIBRATION LIMIT.
U – NONE DETECTED: QUALIFIED DUE TO PRESENCE OF COMPOUND IN THE BLANK.
NA – COMPOUND NOT INCLUDED IN ANALYSIS.
ND – NONE DETECTED: LESS THAN DEFAULT DETECTION LIMIT.
MDL – COMPOUND REPORTED TO METHOD DETECTION LIMIT.
B – ANALYTE ALSO PRESENT IN LABORATORY METHOD BLANK.

REFERENCE NOTES:

EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED "GRADING PLAN" – MILLBROOK – SECTION III – PHASES 5,6 – PROPERTY OF CJP INCORPORATED" BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990.

LOCATIONS OF ALL MONITORING WELLS AND SOIL BORINGS AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998.

LOCATIONS OF SOIL BORINGS PERFORMED BY EMG, HTE, AND THE DEP ARE APPROXIMATE BASED ON AVAILABLE INFORMATION.

NOTES:

1. SAMPLES WERE COLLECTED AT TWO FOOT INTERVALS TO THE BOTTOM OF THE BORING.
2. THE RESULTS FROM ALL ANALYSES CONDUCTED ON SAMPLES FROM A PARTICULAR LOCATION ARE SHOWN ON THE MAP.
3. APPROXIMATE DEPTH TO GROUNDWATER IS GIVEN TO DETERMINE APPLICABILITY TO THE CT RSR POLLUTANT MOBILITY CRITERIA. IN A GA AREA, THE APPROXIMATE SEASONAL LOW GROUNDWATER LEVEL IS GIVEN.
4. DUPLICATE SAMPLE DATA ARE SEPARATED BY A COMMA WITHIN THE SAMPLING INTERVAL WHERE THE DUPLICATION OCCURS.
5. FIGURE ADOPTED FROM LEA REPORT FIGURE 10B – TOTAL AND EXTRACTABLE METALS IN SOIL – SOUTHERN AREA (887016-7)

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN
DATE: MAY 2006
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: NRS
CHECKED BY: JP
PROJ. MGMT. APPROVAL: MM

TITLE: TOTAL AND EXTRACTABLE METALS IN SOIL – SOUTHERN AREA
BROAD BROOK MILL SITE, EAST WINDSOR, CT

DRAWING NO. FIGURE 12B
REV. B

MW-01

Constituents	Nov '03	Feb '04	May '04	Aug '04
Acetone	ND	2.4 J	ND	4.5 J
Chlorobenzene	ND	1.2 J	1.6 J	0.39 J
1,2-Dichloro-benzene	ND	0.46 J	0.44 J	0.36 J
1,3-Dichloro-benzene	ND	0.98 J	1.5 J	0.57 J
1,4-Dichloro-benzene	ND	1.1 JB	1.9 J	0.54 J
TCE	ND	0.22 J	0.34 J	ND
cis-DCE	ND	0.31 J	0.34 J	ND
1,1-DCA	ND	1.6 J	1.6 J	2 J

MW-02

Constituents	Nov '03	Feb '04	May '04	Aug '04	Aug '04
TCE	ND	0.22 J	2.6 J	ND	ND
cis-DCE	ND	0.78 J	0.53 J	2.1 J	2.1 J

MW-03

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
Acetone	ND	ND	ND	3.3 J	ND	ND
Chloroform	ND	ND	0.16 J	ND	ND	ND
Toluene	ND	ND	ND	0.22 J	ND	ND
PCE	ND	0.67 J	1.6 J	ND	ND	1.4
TCE	86	19	74	5.4	49.3	44.9
1,1,1-TCA	10	2.7 J	6.7	1.4 J	4.6	9.5
cis-DCE	10	4.2 J	4.7 J	9.4	14.3	11.4
1,1-DCE	ND	ND	ND	0.3 J	ND	0.84 J
1,1-DCA	ND	3.5 J	2.7 J	4.9 J	2.4	4.5
Vinyl Chloride	ND	ND	ND	4.5	ND	ND

MW-04

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
Acetone	ND	2.9 J	ND	ND	ND	ND
Carbon Disulfide	ND	0.27 J	ND	ND	ND	ND
Chloroform	ND	ND	0.3 J	ND	0.68 J	ND
PCE	ND	ND	0.3 J	ND	ND	ND
TCE	350	22	250	300	298	544
1,1,1-TCA	ND	ND	1.1 J	4.1 J	1.5	3.5
cis-DCE	ND	ND	ND	1.1 J	ND	ND

MW-05

Constituents	Nov '03	Feb '04	May '04	Aug '04
1,4-Dichloro-benzene	ND	ND	0.24 J	ND
TCE	ND	ND	0.26 J	ND
cis-DCE	ND	ND	0.27 J	ND

MW-06

Constituents	Nov '03	Feb '04	May '04	Aug '04
Acetone	ND	1.1 J	ND	ND

MW-07

Constituents	Nov '03	Feb '04	May '04	Aug '04
Acetone	ND	ND	ND	1.1 J
Chloroform	ND	0.28 J	ND	0.83 J
PCE	ND	1.6 J	1.2 J	2 J
TCE	ND	0.34 J	0.34 J	ND
1,1,1-TCA	ND	0.44 J	0.44 J	ND

MW-09

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
Chloroform	ND	0.38 J	0.15 J	ND	ND	ND
PCE	ND	1.2 J	1.6 J	3.4 J	ND	5.1
TCE	14	8.3	7.1	5.6	10.6	5.0
1,1,1-TCA	5.1	4.5 J	3.9 J	6.6	3.6	3.9
cis-DCE	ND	0.28 J	ND	ND	ND	ND
1,1-DCE	ND	ND	0.27 J	0.55 J	ND	ND
1,4 Dioxane	-	ND	ND	-	-	ND

MW-10

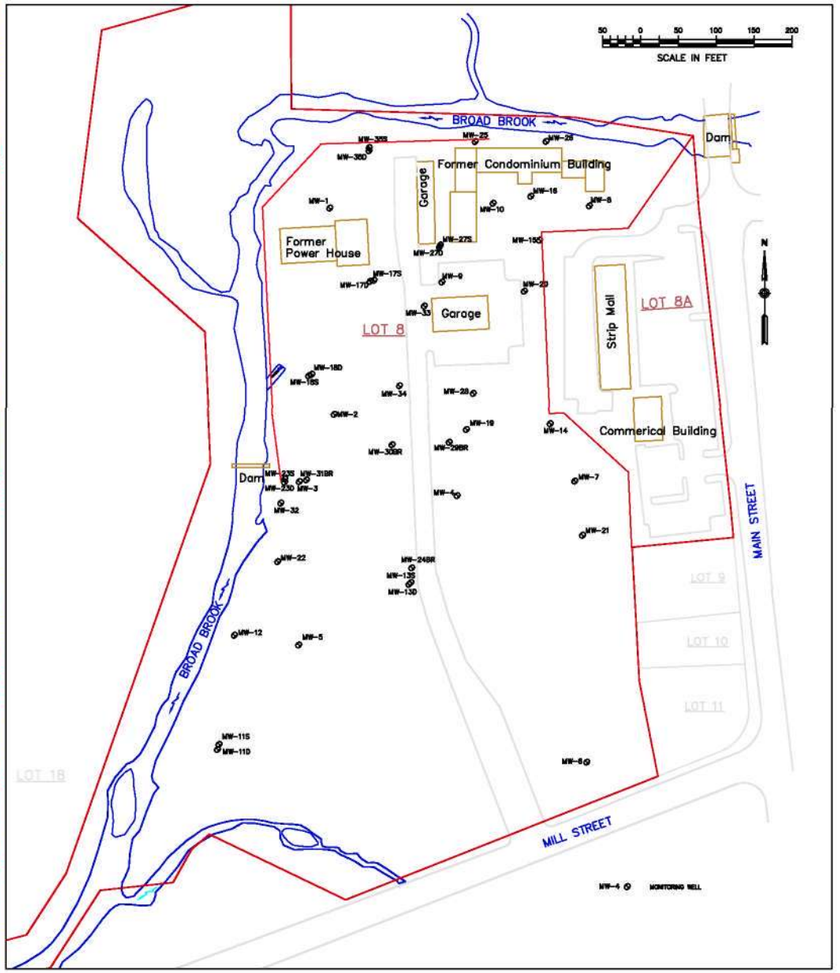
Constituents	Nov '03	Feb '04	May '04	Aug '04
TCE	ND	3.5 J	3.2 J	4.5 J
1,1,1-TCA	ND	1.3 J	1.1 J	1.6 J

MW-13D

Constituents	Nov '03	Feb '04	May '04	Aug '04
Carbon Disulfide	ND	0.26 J	ND	ND

MW-13S

Constituents	Nov '03	Feb '04	May '04	Aug '04
Carbon Disulfide	ND	0.27 J	ND	ND
TCE	ND	0.47 J	0.54 J	0.81 J
1,1,1-TCA	ND	0.26 J	0.22 J	0.43 J



MW-14

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan ' 06
Chloroform	ND	0.59 J	0.36 J	0.43 J	0.43 J
PCE	6.9	2.3 J	5.7	12	6.7
TCE	ND	0.47 J	1 J	0.86 J	1.4
1,1,1-TCA	ND	0.41 J	1.3 J	0.73 J	2

MW-15

Constituents	Nov '03	Feb '04	May '04	Aug '04
TCE	ND	1.1 J	0.33 J	1.1 J
1,1,1-TCA	ND	7.2	6.2	7.1

MW-16

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
TCE	7.2	14	12	22	7.4	9.1
1,1,1-TCA	ND	6.8	5.4	6.8	4	4.2

MW-17D

Constituents	Nov '03	Feb '04	May '04	Aug '04
Acetone	ND	8.6	ND	ND
MEK	ND	1.4 J	ND	ND
TCE	ND	ND	0.53 J	ND
1,1,1-TCA	ND	0.67 J	1.4 J	0.9 J
1,1-DCE	ND	ND	0.28 J	ND
1,1-DCA	ND	ND	0.37 J	ND

MW-17S

Constituents	Nov '03	Feb '04	May '04	Aug '04
Acetone	ND	3.2 J	ND	1 J
TCE	ND	ND	0.54 J	ND
cis-DCE	ND	0.47 J	0.32 J	ND
1,1-DCA	ND	2.8 J	1.7 J	2.3 J
Vinyl Chloride	ND	1.4 J	0.76 J	1.5 J

MW-18S

Constituents	Nov '03	Feb '04	May '04	Aug '04
Carbon Disulfide	ND	0.27 J	ND	ND
TCE	ND	2.7 J	0.18 J	0.52 J
cis-DCE	ND	0.66 J	ND	ND
1,1-DCA	ND	0.59 J	ND	ND

MW-19

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
Chloroform	ND	0.56 J	0.19 J	0.36 J	ND	ND
TCE	88	89	25	32	49.7	146
1,1,1-TCA	ND	1.3 J	1.1 J	6.3	1	1.2
cis-DCE	11	25	0.49 J	3.1 J	28.3	129
1,1-DCA	ND	ND	ND	ND	ND	0.99 J

MW-20

Constituents	Nov '03	Feb '04	May '04	Aug '04
Acetone	ND	ND	ND	1.4 J
TCE	ND	0.87 J	1.2 J	1.6 J
1,1,1-TCA	ND	1 J	1.5 J	1.4 J

MW-21

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06
Carbon Disulfide	ND	0.27 J	ND	ND	ND
Chloroform	ND	4.1 J	3.3 J	3.6 J	3.5
PCE	ND	6.8	6.5	9.4	6.2
TCE	ND	0.26 J	0.46 J	0.6 J	ND

MW-22

Constituents	Nov '03	Feb '04	May '04	Aug '04
TCE	ND	0.42 J	0.66 J	0.36 J
cis-DCE	ND	1.7 J	1.8 J	1.4 J

MW-23D

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
Carbon Disulfide	ND	ND	0.15 J	ND	ND	ND
TCE	13	12	14	12	13.7	13.9
1,1,1-TCA	ND	5.9	6.4	3.4 J	5.1	6.6
cis-DCE	ND	2.9 J	2.9 J	1.9 J	1.1	2.3
1,1-DCE	ND	2 J	1.9 J	0.92 J	1	2.1
1,1-DCA	ND	3.2 J	3.3 J	2.4 J	2.6	3.1
1,4-Dioxane	-	7.2	10.7	-	-	ND

MW-23S

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
Chloroform	ND	ND	0.14 J	ND	ND	ND
TCE	27	24	20	11	32.7	11.4
1,1,1-TCA	20	13	9.2	7.1	13.5	7.1
cis-DCE	7.2	1.3 J	2.8 J	14	ND	23
1,1-DCE	ND	ND	0.27 J	0.64 J	ND	1.3
1,1-DCA	7.1	2.4 J	3.8 J	7.9	2.3	10.5
1,4 - Dioxane	-	2.6	6.1	-	-	ND

MW-25

Constituents	Nov '03	Feb '04	May '04	Aug '04
PCE	ND	ND	0.24 J	ND
TCE	ND	0.58 J	0.76 J	0.66 J

MW-26

Constituents	Nov '03	Feb '04	May '04	Aug '04
PCE	ND	2.1 J	1.4 J	2.1 J
TCE	ND	0.98 J	1.1 J	1.6 J
1,1,1-TCA	ND	0.74 J	0.69 J	0.44 J

MW-27S

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06
Chloroform	ND	1.6 J	0.32 J	0.27 J	ND
TCE	5.8	6.7	6.9	4.8 J	3.5
1,1,1-TCA	11	6	5.7	6.2	3.4
cis-DCE	ND	ND	0.47 J	ND	ND
1,1-DCA	ND	0.81 J	0.86 J	0.98 J	ND

MW-27D

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06
Chloroform	ND	1.4 J	0.64 J	0.38 J	ND
1,2-Dichloro-benzene	ND	ND	ND	0.34 J	ND
TCE	5.6	5.4	4.9 J	7.4	3.7
1,1,1-TCA	6.6	5	3.5 J	6.9	3.7
cis-DCE	ND	0.26 J	0.25 J	ND	ND
1,1-DCA	ND	0.92 J	0.58 J	1.2 J	ND

MW-28

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
Benzene	ND	0.21 J	ND	ND	ND	0.49 J
Xylene o	ND	1.1 J	ND	0.67 J	-	-
PCE	ND	ND	ND	0.49 J	ND	ND
TCE	17	19	19	16	14	12.2
1,1,1-TCA	ND	3.4 J	3.7 J	1.8 J	3.8	4.6
cis-DCE	ND	1.6 J	1.3 J	1.6 J	ND	2
1,1-DCA	ND	0.65 J	ND	0.44 J	ND	0.94 J

MW-32

Constituents	Nov '03	Aug '04	Jan '06	Nov '08
Acetone	ND	2 J	ND	5.7
Chloroform	ND	0.34 J	ND	ND
TCE	17	13	6.8	14.3
1,1,1-TCA	26	18	11.6	14.5
cis-DCE	ND	3.2 J	9	3.4
1,1-DCE	ND	2.5 J	3.1	3.6
1,1-DCA	16	17	19.3	22.6
Vinyl Chloride	ND	1.1 J	2.9	2.6
Chloroethane	ND	ND	1.9 J	ND

MW-33

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
TCE	7.6	7.8	11	9.9	11.3	8.1
1,1,1-TCA	ND	1.2 J	2.5 J	1.1 J	2.7	1.1
cis-DCE	28	18	11	21	12.4	15.8
1,1-DCE	ND	0.46 J	0.24 J	0.34 J	ND	0.67 J
1,1-DCA	ND	2.8 J	2.2 J	3.1 J	3	3.2
Vinyl Chloride	2.4	3	0.97 J	2.9	ND	2.9

MW-34

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06
Toluene	ND	ND	0.37 J	ND	ND
TCE	6.9	5.7	6	8.6	7.2
1,1,1-TCA	ND	ND	0.19 J	ND	ND
cis-DCE	ND	0.35 J	0.32 J	0.74 J	ND

MW-35D

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
Chloroform	ND	ND	0.22 J	ND	ND	ND
Toluene	ND	ND	ND	ND	0.37 J	ND
PCE	ND	2.4 J	2.6 J	2.3 J	1.3	ND
TCE	23	26	26	22	9.4	1
1,1,1-TCA	270	260	190	110	40.8	ND
cis-DCE	ND	1.6 J	1.4 J	1.1 J	1.3	0.51 J
1,1-DCE	39	43	32	ND	12.2	ND
1,1-DCA	36	33	25	18	11.5	1.1
Vinyl Chloride	ND	ND	0.18 J	ND	ND	ND
1,4 - Dioxane	-	4.1	11.4	-	-	ND

MW-35S

Constituents	Nov '03	Feb '04	May '04	Aug '04
PCE	ND	ND	0.3 J	ND
TCE	ND	2.1 J	2 J	2.6 J
1,1,1-TCA	ND	ND	0.14 J	ND
cis-DCE	ND	0.46 J	0.36 J	0.6 J
1,1-DCA	ND	1.6 J	1.4 J	1.6 J

LEGEND

- PROPERTY LINE
- EDGE OF PAVEMENT
- EXISTING STRUCTURES
- FENCE
- EDGE OF BROOK

Concentrations are reported in micrograms per liter (ug/L)

MEK	= methyl ethyl ketone
MTBE	= methyl tertiary butyl ether
PCE	= tetrachloroethylene
TCE	= trichloroethylene
1,1,1-TCA	= 1,1,1-trichloroethane
cis-1,2-DCE	= cis-1,2-dichloroethylene
trans-1,2-DCE	= trans-1,2-dichloroethylene
1,1-DCE	= 1,1-dichloroethylene
1,1-DCA	= 1,1-dichloroethane
ND	= not detected; less than detection limit
J	= estimated value
B	= analyte also present in laboratory method blank
--	= not analyzed
	= Concentration exceeds the Groundwater Protection Criteria.
	= Concentration exceeds the Surface Water Protection Criteria.
	= Concentration exceeds the Groundwater and Surface Water Protection Criteria.

REFERENCE NOTES:

EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED "GRADING PLAN"- MILLBROOK-SECTION III-PHASES 5,6- PROPERTY OF CJP INCORPORATED BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990. THE REVISED PROPERTY BOUNDARY LOCATION IS OBTAINED FROM DUBIEL ASSOCIATES DRAWING DATED MAY 26, 2004.

LOCATIONS OF ALL MONITORING WELLS AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998 AND MODIFIED AS PER SURVEY RESULTS OF PUDELER ENGINEERING, NOVEMBER 2003.

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN	TITLE: VOCs IN GROUNDWATER BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: NRS	DRAWING NO. FIGURE 13
CHECKED BY: JP	REV. B
PROJ. MGMT. APPROVAL: MM	

MW-01

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	2.3	1.0 JB	2.7 JB	2.7 JB
Di-n-butyl phthalate*	9.3	4.0 JB	6.0 JB	1.8 JB
Acenaphthene	ND	0.82 J	1.2 J	ND
Fluorene	ND	0.34 J	0.37 J	0.060 J
Naphthalene	ND	0.64 J	0.23 J	ND

MW-02

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06
Bis(2-ethylhexyl)-phthalate*	0.28	0.94 JB	1.6 JB	0.66 JB	5.6 J
Di-n-butyl phthalate*	ND	1.1 JB	2.1 JB	6.4 B	ND
Anthracene	ND	0.090 J	ND	ND	ND
Fluoranthene	ND	0.11 J	ND	ND	ND
Phenanthrene	ND	0.12 J	ND	ND	ND
Pyrene	ND	0.10 J	ND	ND	ND

MW-03

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	2.8	13 B	2.5 JB	1.8 JB
Di-n-butyl phthalate*	7.4	0.54 JB	3.2 JB	5.5 B

MW-04

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	1.8	2.2 JB	4.3 JB	1.6 JB
Di-n-butyl phthalate*	ND	3.1 JB	1.2 JB	6.2 B

MW-05

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	7.3	8.6 B	ND	3.1 JB
Di-n-butyl phthalate*	ND	0.56 JB	5.7 JB	7.9 B

MW-06

Constituents	Feb '04	May '04	Aug '04	Nov '04	Jan '06	Nov '08
Bis(2-ethylhexyl)-phthalate*	120	11 B	2.0 JB	4.1 JB	2.7 J	2.7 J
Di-n-butyl phthalate*	1.8 JB	0.55 JB	0.91 JB	ND	ND	ND
Benzo(b)-fluoranthene	ND	ND	ND	0.63	ND	ND
Phenanthrene	0.22 J	ND	ND	ND	ND	ND

MW-07

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	ND	2.0 JB	6.5 B	4.6 JB
Di-n-butyl phthalate*	ND	1.7 JB	8.6 JB	1.2 JB

MW-09

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	23	24 B	38 B	11 B
Di-n-butyl phthalate*	6.3	1.3 JB	17 B	3.8 JB

MW-10

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
Bis(2-ethylhexyl)-phthalate*	19	21 B	140 B	7.7 B	4.7 J	ND
Di-n-butyl phthalate*	ND	0.47 JB	5.9 JB	10 B	ND	ND
Anthracene	ND	0.14 J	0.22 J	0.20 J	ND	ND
Benzo(a)-anthracene	ND	ND	0.38 J	ND	ND	ND
Chrysene	ND	ND	0.38 J	ND	ND	ND
Fluoranthene	ND	0.42 J	1.5 J	0.60 J	1.1 J	ND
Fluorene	ND	0.10 J	ND	0.10 J	ND	ND
Phenanthrene	ND	ND	ND	0.050 J	ND	ND
Pyrene	ND	0.27 J	1.2 J	0.40 J	0.78 J	ND

MW-11D

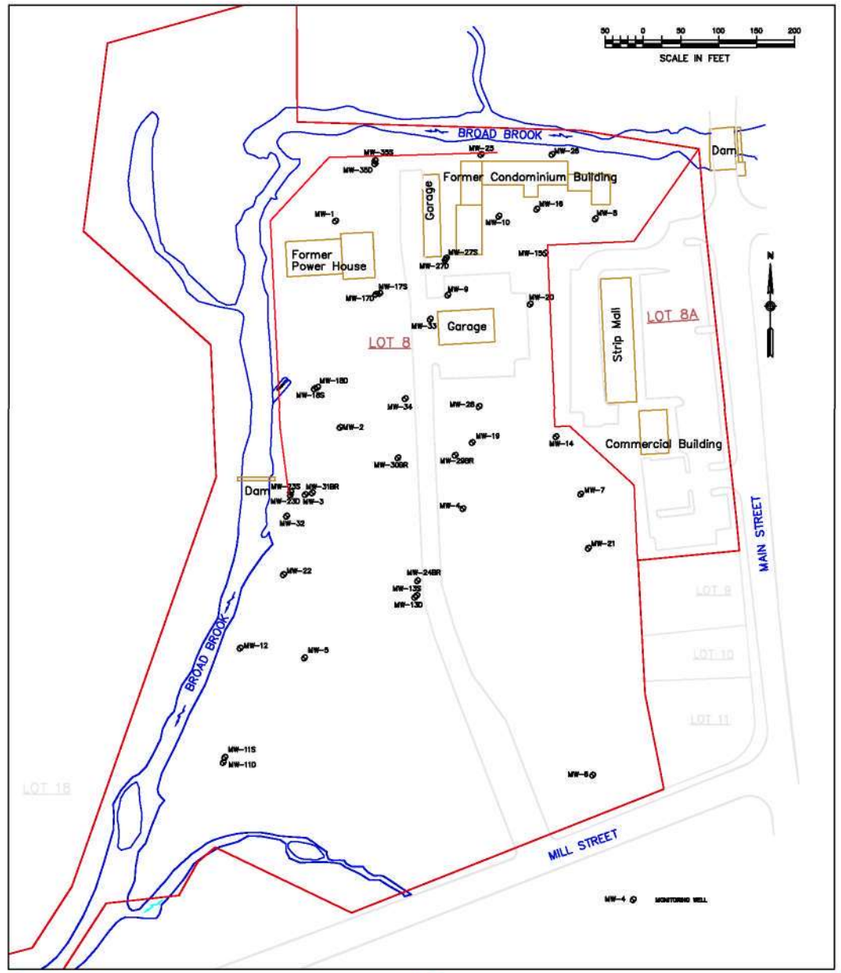
Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	0.83	1.4 JB	3.7 JB	0.90 JB
Di-n-butyl phthalate*	ND	0.10 JB	8.1 JB	11 B

MW-11S

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	1.4	0.81 JB	210 B	5.8 B
Di-n-butyl phthalate*	ND	0.33 JB	3.6 JB	6.9 B

MW-12

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	200	6.6 B	6.6 B	4.8 JB
Di-n-butyl phthalate*	ND	0.24 JB	8.0 JB	0.85 JB



MW-13D

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	15	19 B	3.0 JB	4.5 JB
Di-n-butyl phthalate*	ND	2.6 JB	6.7 JB	2.4 JB
Pyrene	ND	ND	ND	0.030 J

MW-13S

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	2.9	14 B	0.45 JB	1.0 JB
Di-n-butyl phthalate*	ND	0.31 JB	5.9 JB	1.4 JB

MW-14

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	ND	1.1 JB	2.0 JB	3.4 JB
Di-n-butyl phthalate*	ND	0.24 JB	7.6 JB	7.7 B

MW-15

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	0.61	3.1 JB	76 B	5.7 B
Di-n-butyl phthalate*	5.7	0.87 JB	5.8 JB	3.6 JB

MW-16

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	2.0	26 B	120 B	3.3 JB
Di-n-butyl phthalate*	ND	0.13 JB	1.6 JB	0.69 JB

MW-17D

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	4	2.2 JB	4.5 JB	5.4 B
Di-n-butyl phthalate*	ND	3.5 JB	1.9 JB	8.6 B

MW-17S

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	1.3	0.43 JB	0.24 JB	3.4 JB
Di-n-butyl phthalate*	ND	4.2 JB	2.1 JB	5.4 B
Anthracene	ND	ND	0.060 J	ND
Benzo(a)-anthracene	ND	ND	ND	0.060 J
Benzo(a)-pyrene	ND	ND	ND	0.12 J
Chrysene	ND	ND	ND	0.040 J
Fluoranthene	ND	0.40 J	0.45 J	0.32 J
Pyrene	ND	0.57 J	ND	0.48 J

MW-18D

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	ND	1.6 JB	2.6 JB	2.0 JB
Di-n-butyl phthalate*	ND	1.0 JB	0.45 JB	8.3 B

MW-18S

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	0.31	19 B	0.33 JB	5.8 B
Di-n-butyl phthalate*	ND	0.60 JB	1.8 JB	11B

MW-19

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	0.90	6.7 B	4.2 JB	6.3 B
Di-n-butyl phthalate*	ND	1.6 JB	9.9 JB	2.6 JB

MW-20

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	2.9	8.6 B	73 B	7.2 B
Di-n-butyl phthalate*	ND	1.1 JB	3.6 JB	7.6 B

MW-21

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	ND	1.2 JB	2.0 JB	1.7 JB
Di-n-butyl phthalate*	ND	1.6 JB	3.7 JB	0.43 JB

MW-22

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	0.76	1.0 JB	0.36 JB	1.2 JB
Di-n-butyl phthalate*	9.1	2.1 JB	6.7 JB	1.9 JB
Pyrene	ND	0.57 J	0.38 J	0.23 J

MW-23D

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	1.1	1.4 JB	1.2 JB	6.9 B
Di-n-butyl phthalate*	7.6	0.12 JB	6.0 JB	4.0 JB

MW-23S

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	0.77	1.3 JB	6.3 B	8.9 B
Di-n-butyl phthalate*	10	0.51 JB	7.1 JB	0.15 JB

MW-24BR

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	0.82	1.3 JB	78 B	1.0 JB
Di-n-butyl phthalate*	ND	0.60 JB	1.3 JB	2.5 J

MW-25

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	ND	21 B	120 B	5.5 B
Di-n-butyl phthalate*	ND	0.84 JB	5.2 JB	2.8 JB
Pyrene	ND	0.040 J	ND	0.060 J

MW-26

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	ND	1.7 JB	150 B	0.49 JB
Di-n-butyl phthalate*	ND	1.5 JB	6.4 JB	0.69 JB

MW-27D

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	2.9	0.84 JB	21 B	8.0 B
Benzo (ghi)-perylene	ND	0.43 J	ND	ND
Dibenz(a,h)-anthracene	ND	0.47 J	ND	ND
Di-n-butyl phthalate*	ND	0.87 JB	9.1 JB	4.7 JB
Indeno (1,2,3-cd) pyrene	ND	0.19 J	ND	ND

MW-27S

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	ND	0.75 JB	210 B	5.6 B
Di-n-butyl phthalate*	ND	0.75 JB	4.3 JB	2.0 JB

MW-28

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
Bis(2-ethylhexyl)-phthalate*	25	6.4 B	7.6 B	12 B	1.7 J	4.0
Di-n-butyl phthalate*	ND	0.71 JB	2.2 JB	7.8 B	ND	ND
Acenaphthene	ND	0.81 J	ND	1.6 J	ND	ND
Acenaphthalene	ND	3.3 J	0.070 J	5.2	ND	2.2 J
Anthracene	ND	0.10 J	ND	0.090 J	ND	ND
Naphthalene	ND	0.61 J	ND	0.27 J	ND	ND
Phenanthrene	ND	0.060 J	ND	0.21 J	ND	ND

MW-29 BR

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	8.2	13 B	13 B	8.3 B
Di-n-butyl phthalate*	ND	2.2 JB	1.3 JB	1.2 JB

MW-30BR

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	1.1	20 B	7.4 B	5.3 B
Di-n-butyl phthalate*	ND	1.3 JB	12 B	4.0 JB

MW-31BR

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	3.4	1.6 JB	0.26 JB	11 B
Di-n-butyl phthalate*	ND	1.4 JB	3.1 JB	2.2 JB

MW-32

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	170	-	-	7.2 B
Di-n-butyl phthalate*	ND	-	-	4.8 JB
Pyrene	ND	-	-	0.040 J

MW-33

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	35	10 B	81 B	4.2 JB
Di-n-butyl phthalate*	ND	0.47 JB	5.7 JB	1.7 JB
Pyrene	ND	0.070 J	0.030 J	ND

MW-34

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	190	2.8 JB	2.4 JB	6.4 B
Di-n-butyl phthalate*	ND	0.49 JB	9.3 JB	1.2 JB

MW-35D

Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
Benzo(b) fluoranthene	0.22	ND	ND	ND	ND	ND
Benzo(k)-fluoranthene	0.090	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)-phthalate*	5.9	1.4 JB	6.1 B	3.4 JB	3 J	ND
Di-n-butyl phthalate*	ND	ND	8.8 JB	2.2 JB	ND	ND
Pyrene	ND	ND	0.030 J	ND	ND	ND
Naphthalene	ND	ND	ND	0.060 J	ND	ND

MW-35S

Constituents	Nov '03	Feb '04	May '04	Aug '04
Bis(2-ethylhexyl)-phthalate*	7.0	14 B	2.6 JB	0.96 JB
Di-n-butyl phthalate*	ND	0.39 JB	8.3 JB	2.2 JB

LEGEND

- PROPERTY LINE
- EDGE OF PAVEMENT
- EXISTING STRUCTURES
- FENCE
- EDGE OF BROOK

Concentrations are reported in micrograms per liter (ug/L)

ND = not detected; less than detection limit
J = estimated value
B = analyte also present in laboratory method blank
– = not analyzed
* = bis(2–ethylhexyl)phthalate and di–n–butyl phthalate is not representative of the groundwater due to method blank detection and historical groundwater data

= Concentration exceeds the Groundwater Protection Criteria.
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= Concentration exceeds the Groundwater and Surface Water Protection Criteria.

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XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN	TITLE: SVOCs IN GROUNDWATER BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: NRS	DRAWING NO. FIGURE 14
CHECKED BY: JP	REV. B
PROJ. MGMT. APPROVAL: MM	

MW–01						
Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Jan '06
TPH	0.37	0.76	0.54	0.33	0.16	0.36

MW–02				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	0.19	ND	ND

MW–03						
Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
TPH	ND	ND	ND	1.00	0.11	0.08 J

MW–04				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–05				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–06				
Constituents	Feb '04	May '04	Aug '04	Nov '04
TPH	ND	0.21	0.13	ND

MW–07				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	0.15	ND	ND

MW–09				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

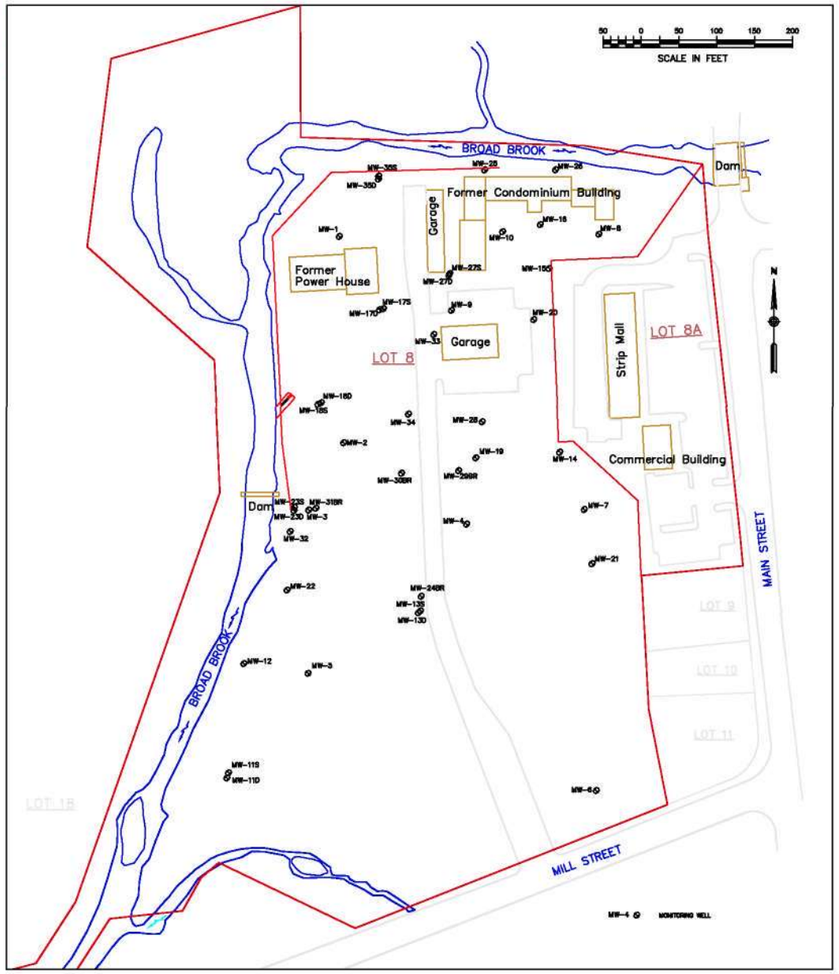
MW–10				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–11D				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–11S				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–12				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	0.37	0.25	ND

MW–13D				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND



MW–13S				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–14				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–15				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	0.25	0.16	0.28

MW–16				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	0.23

MW–17D				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–17S				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	0.16	0.15	0.25	0.20

MW–18D				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–18S				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	0.33	0.24	0.34	0.37

MW–19				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–20				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	0.14	0.20	0.26	0.21

MW–21				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–22				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	0.19	0.16	ND

MW–23D				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–23S				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	0.18	ND	ND

MW–24BR				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–25				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	0.14	ND

MW–26				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–27D				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–27S				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–28						
Constituents	Nov '03	Feb '04	May '04	Aug '04	Jan '06	Nov '08
TPH	ND	0.30	0.14	0.58	0.10	0.43

MW–29 BR				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–30BR				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–31BR				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–32				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	–	–	–

MW–33				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	0.12	0.17

MW–34				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

MW–35D				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	0.21	0.14	ND

MW–35S				
Constituents	Nov '03	Feb '04	May '04	Aug '04
TPH	ND	ND	ND	ND

LEGEND

- PROPERTY LINE
- EDGE OF PAVEMENT
- EXISTING STRUCTURES
- FENCE
- EDGE OF BROOK

Concentrations are reported in milligrams per liter (mg/L) or parts per million (ppm)

ND = not detected; less than detection limit
J = estimated value
– = not analyzed
TPH = total petroleum hydrocarbon
= Concentration exceeds the Groundwater Protection Criteria.

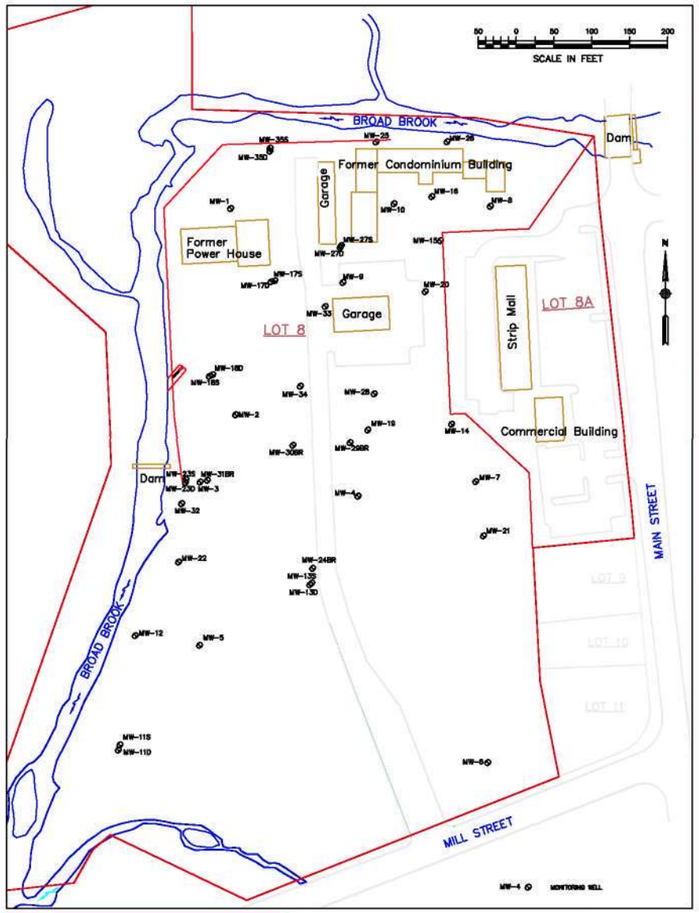
REFERENCE NOTES:

EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED "GRADING PLAN"– MILLBROOK–SECTION III– PHASES 5,6– PROPERTY OF CJP INCORPORATED BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990. THE REVISED PROPERTY BOUNDARY LOCATION IS OBTAINED FROM DUBIEL ASSOCIATES DRAWING DATED MAY 26, 2004.

LOCATIONS OF ALL MONITORING WELLS AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998 AND MODIFIED AS PER SURVEY RESULTS OF PUDELER ENGINEERING, NOVEMBER 2003.

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN	TITLE: TPH IN GROUNDWATER BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: NRS	DRAWING NO. FIGURE 15
CHECKED BY: JP	REV. B
PROJ. MGMT. APPROVAL: MM	



MW-01

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '04	May '04	Aug '04
Antimony *	ND	ND	0.0092	ND	ND	ND	ND	ND
Arsenic	ND	ND	0.0010 JB	0.0029	0.00089 B	–	–	–
Barium	0.13	0.096	0.12	0.15	–	–	–	–
Boron	0.056	0.033	0.047	0.075	–	–	–	–
Copper	ND	ND	0.0042 J	ND	–	–	–	–
Lead	ND	ND	ND	0.0049	–	–	–	–
Nickel	ND	ND	0.0021 J	ND	–	–	–	–
Selenium	ND	ND	ND	0.0095 J	–	–	–	–
Thallium *	0.0068	ND	ND	0.0055	ND	ND	ND	ND
Vanadium	ND	ND	0.0014 J	0.0024 J	–	–	–	–
Zinc	0.013	ND	0.011	0.0020 J	–	–	–	–

MW-02

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Antimony *	ND	ND	0.016	ND	ND	ND	ND	ND
Arsenic	ND	0.0092 J	ND	0.0030	ND	–	–	–
Barium	0.099	0.076	0.081	0.090	–	–	–	–
Boron	0.28	0.20	0.35	0.34	–	–	–	–
Copper	ND	ND	0.0037 J	ND	–	–	–	–
Lead	ND	0.0091	ND	ND	–	–	–	–
Selenium	ND	ND	ND	0.0065 J	–	–	–	–
Vanadium	0.011	ND	0.0012 J	ND	–	–	–	–
Zinc	0.013	0.011	0.0048 JB	0.0031 J	–	–	–	–

MW-03

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05	Jan '06	Nov '08
Antimony *	ND	0.0083	0.0095	ND	ND	ND	ND	ND	–	–
Arsenic	ND	ND	0.0044	0.034	0.009	–	–	–	–	–
Barium	0.18	0.40	0.14	0.16	–	–	–	–	–	–
Boron	0.083	0.046	0.068	0.058	–	–	–	–	–	–
Cadmium	ND	0.050	0.0014 JB	0.00050 J	ND	–	–	–	ND	ND
Chromium	0.23	0.31	0.31	0.33	0.0874	–	–	–	0.212	0.242
Copper	0.042	0.12	0.052	0.033	–	–	–	–	–	–
Nickel	ND	ND	0.0026 JB	0.0024 J	–	–	–	–	–	–
Selenium	ND	ND	0.0078 JB	0.0065 JB	–	–	–	–	–	–
Silver	ND	ND	ND	0.0022	–	–	–	–	–	–
Thallium *	ND	ND	ND	0.019	ND	ND	ND	ND	–	–
Vanadium	ND	ND	0.0028 J	0.0047 J	–	–	–	–	–	–
Zinc	0.015	0.036	0.016	0.010	–	–	–	–	–	–

MW-04

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Antimony *	ND	0.011	ND	ND	ND	ND	ND	ND
Barium	0.063	0.019	0.050	0.078	–	–	–	–
Boron	0.050	ND	0.037	0.040	–	–	–	–
Cadmium	ND	ND	ND	0.0031	–	–	–	–
Copper	ND	ND	0.0037 J	ND	–	–	–	–
Nickel	ND	ND	ND	0.0034 J	–	–	–	–
Selenium	ND	ND	0.0095 JB	ND	–	–	–	–
Vanadium	ND	ND	0.0010 J	ND	–	–	–	–
Zinc	0.018	0.013	0.046	0.030	–	–	–	–

MW-05

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Antimony *	ND	0.0098	ND	ND	ND	ND	ND	ND
Barium	0.036	0.036	0.062	0.053	–	–	–	–
Boron	0.072	0.087	0.078	0.10	–	–	–	–
Copper	ND	0.022	ND	ND	–	–	–	–
Lead	ND	0.0067	ND	0.0025 J	–	–	–	–
Nickel	ND	ND	ND	0.0028 J	–	–	–	–
Selenium	ND	ND	ND	0.0078 J	–	–	–	–
Zinc	0.012	0.016	ND	0.0062 J	–	–	–	–

MW-06

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Antimony *	ND	ND	0.014	ND	ND	ND	ND	ND
Barium	0.054	0.054	0.042	0.047	–	–	–	–
Beryllium	ND	ND	0.00012 JB	0.00016 J	–	–	–	–
Boron	0.065	0.050	0.059	0.045	–	–	–	–
Cadmium	ND	ND	0.00092 JB	ND	–	–	–	–
Copper	ND	ND	0.0022 J	ND	–	–	–	–
Nickel	ND	ND	ND	0.0017 J	–	–	–	–
Thallium *	ND	ND	0.0094	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	0.0021 J	–	–	–	–
Zinc	0.013	0.016	0.0074 JB	0.0050 J	–	–	–	–

MW-07

Constituents	Nov '03	Feb '04	May '04	Aug '04
Barium	0.25	0.21	0.18	0.28
Boron	0.12	0.067	0.089	0.072
Copper	ND	ND	ND	0.0038 J
Nickel	ND	ND	ND	0.0015 J
Zinc	0.012	0.023	0.022	0.0025 J

MW-09

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04
Barium	0.092	0.058	0.070	0.22	ND
Boron	0.054	0.044	0.045	0.054	–
Lead	ND	0.0087	ND	ND	–
Mercury	0.00024	ND	ND	ND	–
Selenium	ND	ND	ND	0.0096 J	–
Vanadium	ND	ND	ND	0.0013 J	–
Zinc	0.035	0.027	0.083	0.031	–

MW-10

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05	Jan '06	Nov '08
Arsenic	ND	0.0048 J	0.0024	ND	ND	–	–	–	–	–
Barium	0.10	0.087	0.16	0.13	–	–	–	–	–	–
Boron	0.074	0.048	0.060	0.079	–	–	–	–	–	–
Chromium	ND	ND	0.067	0.0074 J	0.0204	–	–	–	0.0476	0.004 B
Copper	ND	ND	0.021	ND	–	–	–	–	–	–
Lead	ND	ND	0.015	ND	0.0021 B	–	–	–	–	–
Nickel	ND	ND	0.020	0.0055 J	–	–	–	–	–	–
Thallium *	ND	ND	ND	0.0093	ND	ND	ND	ND	–	–
Vanadium	ND	ND	0.020	0.00086 J	–	–	–	–	–	–
Zinc	0.013	0.012	0.056	0.016	–	–	–	–	–	–

MW-11D

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Antimony *	ND	ND	0.0078	ND	ND	ND	ND	ND
Barium	0.21	0.19	0.18	0.23	ND	–	–	–
Boron	0.014	ND	0.016	0.023	–	–	–	–
Cadmium	ND	0.0029	0.00096 J	ND	–	–	–	–
Copper	ND	ND	0.0067 J	ND	–	–	–	–
Lead	ND	ND	ND	0.0033 J	–	–	–	–
Nickel	ND	ND	0.0062 J	ND	–	–	–	–
Selenium	ND	ND	0.0087 J	ND	–	–	–	–
Vanadium	ND	ND	0.0016 J	0.0024 J	–	–	–	–
Zinc	0.016	0.011	0.036	0.0080 J	–	–	–	–

MW-11S

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04
Arsenic	ND	0.0073 J	ND	ND	ND
Barium	0.034	0.033	0.030	0.052	–
Boron	0.014	ND	0.018	0.026	–
Nickel	ND	ND	ND	0.0012 J	–
Selenium	ND	ND	ND	0.0062 J	–
Vanadium	ND	ND	ND	0.0011 J	–
Zinc	0.019	0.016	0.019	0.014	–

MW-12

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Antimony *	ND	ND	0.017	ND	ND	ND	ND	ND
Barium	0.15	0.14	0.14	0.18	–	–	–	–
Boron	0.024	0.015	0.027	0.027	–	–	–	–
Cadmium	ND	ND	0.00087 J	ND	–	–	–	–
Nickel	ND	ND	0.0013 J	ND	–	–	–	–
Vanadium	ND	ND	0.0010 J	0.0042 J	–	–	–	–
Zinc	0.033	0.012	0.016	0.012	–	–	–	–

MW-13S

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04
Arsenic	ND	0.0052 J	ND	ND	ND
Barium	0.045	0.036	0.026	0.037	–
Boron	0.11	0.080	0.091	0.11	–
Cadmium	ND	0.0025	ND	ND	–
Mercury	0.00038	ND	ND	ND	–
Zinc	0.020	0.018	ND	0.0047 J	–

MW-13D

Constituents	Nov '03	Feb '04	May '04	Aug '04
Barium	0.028	0.024	0.025	0.033
Boron	0.055	0.052	0.061	0.055
Cadmium	ND	0.0043	ND	ND
Lead	ND	ND	ND	0.0043
Vanadium	ND	ND	ND	0.0014 J
Zinc	0.015	0.045	ND	0.012

MW-14

Constituents	Nov '03	Feb '04	May '04	Aug '04
Barium	0.17	0.17	0.15	0.24
Boron	0.083	0.056	0.067	0.091
Selenium	ND	ND	ND	0.0060 J
Zinc	0.013	0.011	0.012	0.016

MW-15

Constituents	Nov '03	Feb '04	May '04	Aug '04
Barium	0.072	0.060	0.072	0.10
Boron	0.10	0.079	0.090	0.11
Cadmium	ND	ND	0.00078 JB	ND
Chromium	ND	ND	ND	0.0048 J
Copper	ND	ND	0.0036 J	ND
Lead	ND	ND	0.0027 JB	ND
Selenium	ND	ND	0.0058 JB	ND
Vanadium	ND	ND	0.0019 J	0.0032 J
Zinc	0.014	ND	0.089	0.014

MW-16

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04
Arsenic	ND	0.0054 J	ND	ND	ND
Barium	0.092	0.065	0.080	0.14	–
Boron	0.036	0.021	0.036	0.052	–
Cadmium	ND	ND	0.0008 JB	ND	–
Chromium	ND	ND	ND	0.0043 J	–
Lead	ND	ND	ND	0.0048	–
Nickel	ND	ND	ND	0.0028 J	–
Selenium	ND	ND	ND	0.011	–
Vanadium	ND	ND	0.0026 J	0.0035 J	–
Zinc	ND	0.012	0.025	0.0098 J	–

MW-17D

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Antimony *	ND	0.0075	ND	ND	ND	ND	ND	ND
Arsenic	ND	0.0048 J	ND	ND	0.00062 B	–	–	–
Barium	0.13	0.10	0.13	0.16	–	–	–	–
Boron	ND	ND	0.010	0.016	–	–	–	–
Copper	ND	ND	0.0078 J	ND	–	–	–	–
Lead	ND	ND	0.0064	ND	–	–	–	–
Thallium *	ND	0.016	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	0.0076 J	0.0042 J	–	–	–	–
Zinc	0.016	0.076	0.040	0.017	–	–	–	–

MW-17S

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Antimony *	ND	ND	0.0097	ND	ND	ND	ND	ND
Barium	0.14	0.13	0.11	0.13	–	–	–	–
Boron	0.046	0.038	0.040	0.059	–	–	–	–
Cadmium	ND	ND	0.00072 JB	ND	–	–	–	–
Copper	ND	ND	0.0034 J	ND	–	–	–	–
Lead	ND	ND	0.0048	ND	–	–	–	–
Nickel	ND	ND	0.0010 JB	ND	–	–	–	–
Vanadium	ND	ND	0.0020 J	ND	–	–	–	–
Zinc	ND	ND	ND	0.0072 J	–	–	–	–

MW-18D

Constituents	Nov '03	Feb '04	May '04	Aug '04	May '05	Aug '05
Antimony *	ND	0.0097	0.0053 J	ND	0.0023 B	ND
Barium	0.26	0.29	0.28	0.29	–	–
Boron	0.012	0.014	0.019	0.022	–	–
Cadmium	ND	ND	0.00050 JB	ND	–	–
Chromium	ND	ND	ND	0.0034 J	–	–
Copper	ND	ND	0.0047 J	0.0041 J	–	–
Lead	ND	ND	0.0028 JB	0.0021 J	–	–
Nickel	ND	ND	ND	0.0035 J	–	–
Vanadium	ND	ND	0.0054 J	0.0046 J	–	–
Zinc	0.018	0.036	0.012	0.015	–	–

MW-18S

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05	Jan '06
Barium	0.024	0.019	0.024	0.023	–	–	–	–	–
Boron	0.39	0.38	0.47	0.63	–	–	–	–	–
Cadmium	ND	0.0065	ND	ND	–	–	–	–	ND
Copper	ND	ND	0.0034 J	ND	–	–	–	–	–
Lead	ND	ND	0.0034 JB	ND	–	–	–	–	–
Nickel	ND	ND	0.0026 JB	0.010	–	–	–	–	–
Thallium *	ND	0.014	ND	0.0065	ND	ND	ND	ND	–
Vanadium	ND	ND	0.0017 J	ND	–	–	–	–	–
Zinc	0.014	0.013	ND	0.010	–	–	–	–	–

MW-19

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Barium	0.056	0.044	0.031	0.033	–	–	–	–
Boron	0.41	0.39	0.19	0.17	–	–	–	–
Chromium	ND	ND	ND	0.0033 J	–	–	–	–
Copper	ND	ND	0.0018 J	ND	–	–	–	–
Lead	ND	ND	0.0020 JB	ND	–	–	–	–
Nickel	ND	ND	0.0017 J	0.0016 J	–	–	–	–
Selenium	ND	ND	0.013	ND	–	–	–	–
Thallium *	ND	0.0095	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	0.0014 J	–	–	–	–
Zinc	0.017	0.013	0.0094 JB	0.0043 J	–	–	–	–

MW-20

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Jan '06	Nov '08
Antimony *	ND	0.0070	ND	ND	ND	ND	0.0023 B	–	–
Arsenic	ND	ND	ND	ND	–	–	–	–	–
Barium	0.10	0.10	0.085	0.11	–	–	–	–	–
Beryllium	ND	ND	ND	0.00022 J	–	–	–	–	–
Boron	0.11	0.084	0.078	0.098	–	–	–	–	–
Cadmium	ND	ND	0.0025	0.0012 J	–	–	–	–	–
Chromium	0.12	0.067	0.060	0.12	0.0944	–	–	0.143	0.044
Copper	ND	ND	ND	0.0084 J	–	–	–	–	–
Lead	ND	ND	ND	0.0037 J	–	–	–	–	–
Nickel	ND	ND	ND	0.0086 J	–	–	–	–	–
Selenium	ND	ND	ND	0.0057 J	–	–	–	–	–
Silver	ND	ND	ND	0.0038	–	–	–	–	–
Thallium *	ND	ND	0.014	ND	ND	ND	ND	–	–
Vanadium	ND	ND	ND	0.0084 J	–	–	–	–	–
Zinc	0.016	0.023	0.013	0.019	–	–	–	–	–

MW-21

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Arsenic	ND	0.010	ND	ND	ND	–	–	–
Barium	0.11	0.086	0.10	0.14	–	–	–	–
Boron	0.039	0.031	0.047	0.042	–	–	–	–
Cadmium	ND	ND	0.00078 JB	ND	–	–	–	–
Copper	ND	ND	0.0017 J	ND	–	–	–	–
Lead	ND	ND	0.0074	ND	–	–	–	–
Nickel	ND	ND	ND	0.0043 J	–	–	–	–
Selenium	ND	ND	0.0078 JB	ND	–	–	–	–
Thallium *	ND	ND	ND	0.014	ND	ND	ND	ND
Vanadium	ND	ND	0.0012 J	ND	–	–	–	–
Zinc	0.019	0.031	0.010	0.020	–	–	–	–

MW-22

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Antimony *	ND	0.0092	ND	ND	ND	ND	0.0016 B	–
Arsenic	ND	ND	0.0031	0.0042	0.0018 B	–	–	–
Barium	0.15	0.13	0.14	0.17	–	–	–	–
Boron	0.093	0.072	0.085	0.11	–	–	–	–
Copper	ND	ND	0.026	ND	–	–	–	–
Lead	ND	ND	ND	0.0023 J	–	–	–	–
Thallium *	ND	ND	0.013	ND	ND	ND	ND	ND
Zinc	0.017	0.013	0.023	0.0024 J	–	–	–	–

MW-23S

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Jan '06	Nov '08
Antimony *	ND	ND	ND	ND	–	–	–
Arsenic	ND	ND	ND	0.0026	0.00074 B	–	–
Barium	0.13	0.074	0.11	0.21	–	–	–
Boron	0.054	0.025	0.045	0.052	–	–	–
Cadmium	ND	ND	0.00084 J	0.0011 J	–	–	–
Chromium	0.21	0.13	0.038	0.063	0.280	0.307	0.0528
Copper	ND	ND	0.0068 J	0.020	–	–	–
Lead	ND	ND	0.0030 JB	0.0048	–	–	–
Nickel	ND	ND	0.0023 J	0.012	–	–	–
Selenium	ND	ND	0.0097 J	ND	–	–	–
Thallium *	ND	ND	0.0050	ND	–	–	–
Vanadium	ND	ND	0.0028 J	0.0054 J	–	–	–
Zinc	0.038	0.034	0.044	0.14	–	–	–

MW-23D

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04
Barium	0.29	0.20	0.25	0.30	–
Boron	0.034	0.018	0.032	0.036	–
Chromium	0.013	0.026	0.012	0.012	–
Lead	ND	ND	0.0026 JB	0.0030 J	–
Selenium	ND	ND	0.0064 J	ND	–
Vanadium	ND	ND	0.0023 J	0.0011 J	–
Zinc	0.056	0.055	0.021	0.0089 J	–

MW-24BR

Constituents	Nov '03	Feb '04	May '04	Aug '04
Barium	0.38	0.38	0.34	0.38
Boron	ND	ND	0.012	0.0084 J
Cadmium	ND	ND	0.00051 JB	ND
Copper	ND	ND	0.0021 J	ND
Nickel	ND	ND	ND	0.0018 J
Thallium *	ND	ND	0.0046 JB	ND
Vanadium	ND	ND	0.0025 J	0.0013 J
Zinc	0.017	0.013	0.0064 JB	0.0040 J

MW-25

Constituents	Nov '03	Feb '04	May '04	Aug '04
Barium	0.099	0.077	0.072	0.097
Boron	0.021	ND	0.021	0.036
Cadmium	ND	ND	0.00071 J	ND
Chromium	ND	ND	ND	ND
Nickel	ND	ND	0.0030 J	0.0014 J
Selenium	ND	ND	0.0054 J	ND
Zinc	0.082	0.082	0.10	0.048

MW-26

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Antimony *	ND	ND	0.0071	ND	ND	ND	ND	ND
Barium	0.083	0.065	0.064	0.072	–	–	–	–
Boron	0.019	0.019	0.023	0.030	–	–	–	–
Copper	ND	ND	0.0040 J	ND	–	–	–	–
Mercury	0.00020	ND	ND	ND	–	–	–	–
Selenium	ND	ND	0.0095 J	ND	–	–	–	–
Vanadium	ND	ND	0.0020 J	ND	–	–	–	–
Zinc	0.072	0.065	0.056	0.038	–	–	–	–

MW-27D

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04
Arsenic	ND	ND	ND	ND	ND
Barium	0.17	0.16	0.14	0.15	–
Boron	0.036	0.035	0.034	0.036	–
Chromium	ND	ND	ND	0.0043 J	–
Nickel	ND	ND	ND	0.0030 J	–
Vanadium	ND	ND	ND	0.0033 J	–
Zinc	0.014	0.015	ND	0.0041 J	–

MW-27S

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Antimony *	ND	0.011	ND	ND	ND	ND	ND	ND
Barium	0.063	0.054	0.052	0.049	–	–	–	–
Boron	0.029	0.029	0.031	0.027	–	–	–	–
Cadmium	ND	0.0027	ND	0.0012 J	–	–	–	–
Chromium	0.014	ND	ND	0.0089 J	–	–	–	–
Lead	ND	ND	ND	ND	–	–	–	–
Nickel	ND	ND	ND	ND	–	–	–	–
Selenium	ND	ND	ND	ND	–	–	–	–
Vanadium	ND	ND	ND	ND	–	–	–	–
Zinc	0.057	0.071	0.057	0.047	–	–	–	–

MW-29BR

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Antimony *	ND	ND	0.0068	ND	ND	ND	ND	ND
Barium	0.24	0.24	0.22	0.24	–	–	–	–
Berryllium	ND	ND	ND	0.00021 J	–	–	–	–
Boron	ND	ND	0.013	0.0083 J	–	–	–	–
Cadmium	ND	ND	0.0018 JB	ND	–	–	–	–
Copper	ND	ND	0.0034 J	ND	–	–	–	–
Lead	ND	ND	0.0034 JB	ND	–	–	–	–
Nickel	ND	ND	ND	0.0022 J	–	–	–	–
Vanadium	ND	ND	0.0054 J	0.0027 J	–	–	–	–
Zinc	0.012	0.014	0.0078 JB	0.0078 J	–	–	–	–

MW-30BR

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Barium	0.30	0.22	0.27	0.30	–	–	–	–
Boron	ND	ND	0.011	0.0096 J	–	–	–	–
Cadmium	ND	0.0026	0.00060 J	ND	–	–	–	–
Copper	ND	ND	0.0025 J	ND	–	–	–	–
Thallium *	ND	0.0086	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	0.0034 J	0.0015 J	–	–	–	–
Zinc	0.014	0.015	0.012	0.0076 J	–	–	–	–

MW-31BR

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05
Antimony *	ND	ND	0.0090	ND	ND	ND	ND	ND
Barium	0.31	0.28	0.26	0.31	–	–	–	–
Boron	ND	0.012	0.014	0.012	–	–	–	–
Copper	ND	ND	0.0024 J	ND	–	–	–	–
Lead	ND	ND	ND	0.0036 J	–	–	–	–
Selenium	ND	ND	0.0089 JB	ND	–	–	–	–
Vanadium	ND	ND	0.0038 J	0.0033 J	–	–	–	–
Zinc	0.013	0.016	0.010	0.0067 J	–	–	–	–

MW-32

Constituents	Nov '03	Aug '04	Nov '04	Jan '06	Nov '08
Arsenic	ND	0.0067	0.0122	–	–
Barium	0.20	0.32	–	–	–
Beryllium	ND	0.00039 J	–	–	–
Boron	0.072	0.074	–	–	–
Cadmium	ND	0.0043	–	–	–
Chromium	0.10	0.45	2.950	0.668	0.588
Copper	ND	0.058	–	–	–
Lead	ND	0.0093	–	–	–
Nickel	ND	0.019	–	–	–
Vanadium	ND	0.019	–	–	–
Zinc	0.021	0.098	–	–	–

MW-33

Constituents	Nov '03	Feb '04	May '04	Aug '04	Nov '04	Feb '05	May '05	Aug '05	Jan '06	Nov '08
Antimony *	ND	0.0073	0.0078	ND	ND	ND	0.0028 B	ND	–	–
Arsenic	ND	0.0079 J	ND	ND	ND	–	–	–	–	–
Barium	0.12	0.14	0.081	0.12	–	–	–	–	–	–
Beryllium	ND	ND	ND	0.00022 J	–	–	–	–	–	–
Boron	0.099	0.080	0.070	0.088	–	–	–	–	–	–
Cadmium	ND	ND	0.00077 J	ND	–	–	–	–	–	–
Chromium	ND	0.063	0.0031 J	ND	0.0045 B	–	–	–	0.0052 B	0.0031 B
Copper	ND	0.022	0.0036 J	ND	–	–	–	–	–	–
Lead	ND	0.037	ND	ND	ND	–	–	–	ND	0.0021 B
Nickel	0.028	0.044	0.018	0.081	–	–	–	–	–	–
Selenium	ND	ND	0.012	ND	–	–	–	–	–	–
Vanadium	ND	0.014	0.0015 J	0.00091 J	–	–	–	–	–	–
Zinc	0.013	0.043	0.014	0.0084 J	–	–	–	–	–	–

MW-35D

Constituents	Nov '03	Feb '04	May '04	Aug '04
Barium	0.37	0.48	0.45	0.44
Beryllium	ND	ND	0.00019 JB	ND
Boron	0.047	0.039	0.048	0.037
Chromium	ND	ND	0.0042 J	0.0040 J
Copper	ND	ND	0.0041 J	0.0019 J
Nickel	ND	ND	0.0057 J	0.0091 J
Selenium	ND	ND	0.0070 J	ND
Vanadium	ND	ND	0.0093 J	0.0070 J
Zinc	0.025	0.019	0.018	0.017

MW-35S

Constituents	Nov '03	Feb '04	May '04	Aug '04
Antimony *	ND	ND	0.0054 J	ND
Barium	0.20	0.17	0.14	0.17
Beryllium	ND	ND	ND	0.00028 J
Boron	0.030	0.015	0.024	0.030
Copper	ND	ND	ND	0.0021 J
Lead	ND	ND	0.0032 JB	ND
Nickel	ND	ND	0.0016 J	0.0022 J
Selenium	ND	ND	0.0093 J	ND
Vanadium	ND	ND	0.0010 J	0.0021 J
Zinc	0.023	0.014	0.012	0.0025 J

LEGEND

- PROPERTY LINE
- EDGE OF PAVEMENT
- EXISTING STRUCTURES
- FENCE
- EDGE OF BROOK

Concentrations are reported in milligrams per liter (mg/L) or parts per million (ppm)

ND = not detected; less than detection limit
J = estimated value
B = analyte also present in lab method blank
– = not analyzed
* = Antimony and Thallium were found to have anomalous exceedances.

= Concentration exceeds the Maximum Contaminant Level for Thallium.
= Concentration exceeds the Groundwater Protection Criteria.
= Concentration exceeds the Surface Water Protection Criteria.
= Concentration exceeds the Groundwater and Surface Water Protection Criteria.

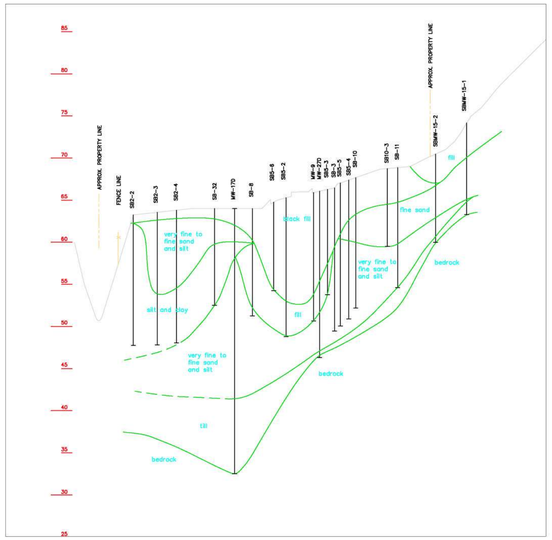
REFERENCE NOTES:

EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED "GRADING PLAN"– MILLBROOK–SECTION III– PHASES 5,6– PROPERTY OF CJP INCORPORATED BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990. THE REVISED PROPERTY BOUNDARY LOCATION IS OBTAINED FROM DUBIEL ASSOCIATES DRAWING DATED MAY 26, 2004.

LOCATIONS OF ALL MONITORING WELLS AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998 AND MODIFIED AS PER SURVEY RESULTS OF PUDELER ENGINEERING, NOVEMBER 2003.

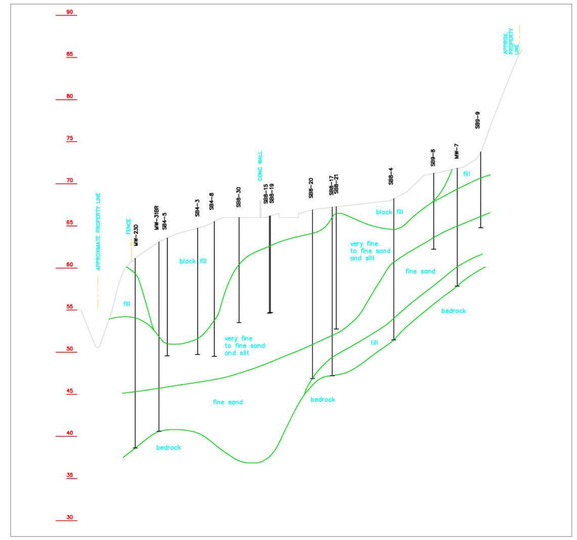
XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN	TITLE: METALS IN GROUNDWATER BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: NRS	DRAWING NO. FIGURE 16
CHECKED BY: JP	REV. B
PROJ. MGMT. APPROVAL: MM	



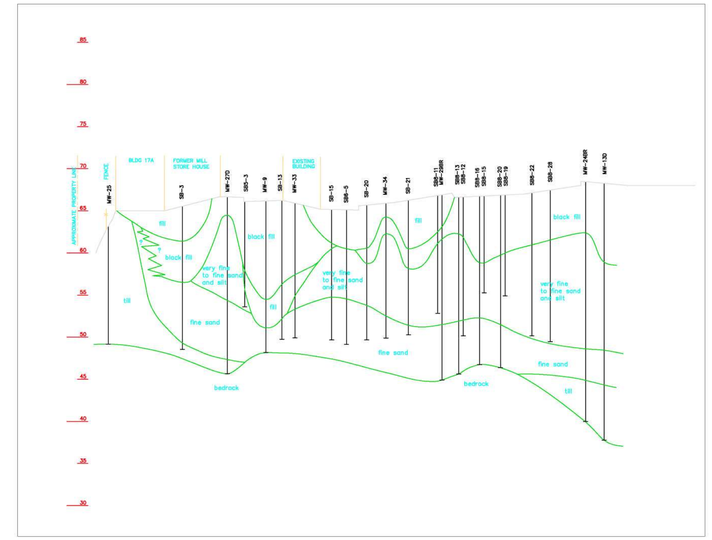
CROSS-SECTION A-A'

SCALE: 1" = 90' HORIZONTAL
1" = 10' VERTICAL



CROSS-SECTION B-B'

SCALE: 1" = 90' HORIZONTAL
1" = 10' VERTICAL



CROSS-SECTION C-C'

SCALE: 1" = 90' HORIZONTAL
1" = 10' VERTICAL

SITE PLAN

LEGEND

- PROPERTY LINE
- EDGE OF PAVEMENT
- EXISTING STRUCTURES
- FENCE
- EDGE OF BROOK
- MW-4 — EXISTING MONITORING WELL
- SB9-10 — EXISTING SOIL BORING
- SGP-4 — EXISTING STREAM GAUGE/PIEZOMETER
- SWS-5 — EXISTING SURFACE WATER/SEDIMENT SAMPLING LOCATION

black fill — artificial fill that is dark brown to black in color with varying amounts of cinders, slag, ash, coal, and/or similar types of materials

fill — artificial fill that is light brown to reddish in color and does not contain such materials as slag, ash, cinders, etc.

silt and clay

fine sand — fine sand, with limited occurrences of medium-to-coarse sand and gravel lenses and cobbles

very fine to fine sand and silt

till

bedrock — red arkosic sandstone and siltstone

REFERENCE NOTES:

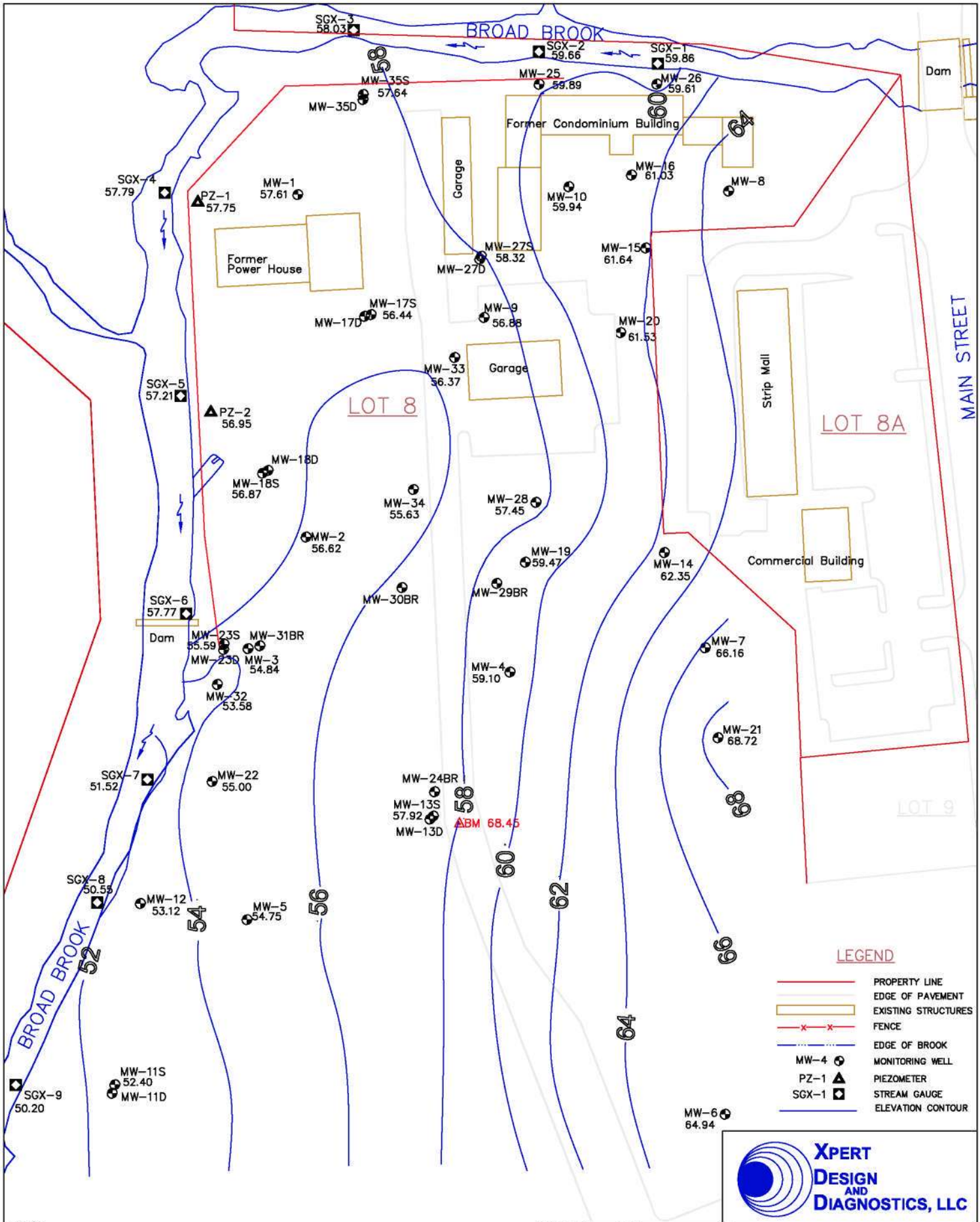
EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED "GRADING PLAN – MILLBROOK – SECTION 666 – PHASES 5,6 – PROPERTY OF CJP INCORPORATED" BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990. THE REVISED PROPERTY BOUNDARY LOCATION IS OBTAINED FROM DUBIEL ASSOCIATES DRAWING DATED MAY 26, 2004.

LOCATIONS OF ALL MONITORING WELLS AND STREAM GAUGES/PIEZOMETERS ARE AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998.

THIS FIGURE HAS BEEN ADOPTED FROM LEA FINAL SOIL INVESTIGATION REPORT DATED MAY 1, 1998.

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN	TITLE: GENERALIZED GEOLOGIC CROSS-SECTIONS BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC	
DRAWN BY: NSC	DRAWING NO. FIGURE 17 — REV. B
CHECKED BY: JP	
PROJ. MGMT. APPROVAL: MM	

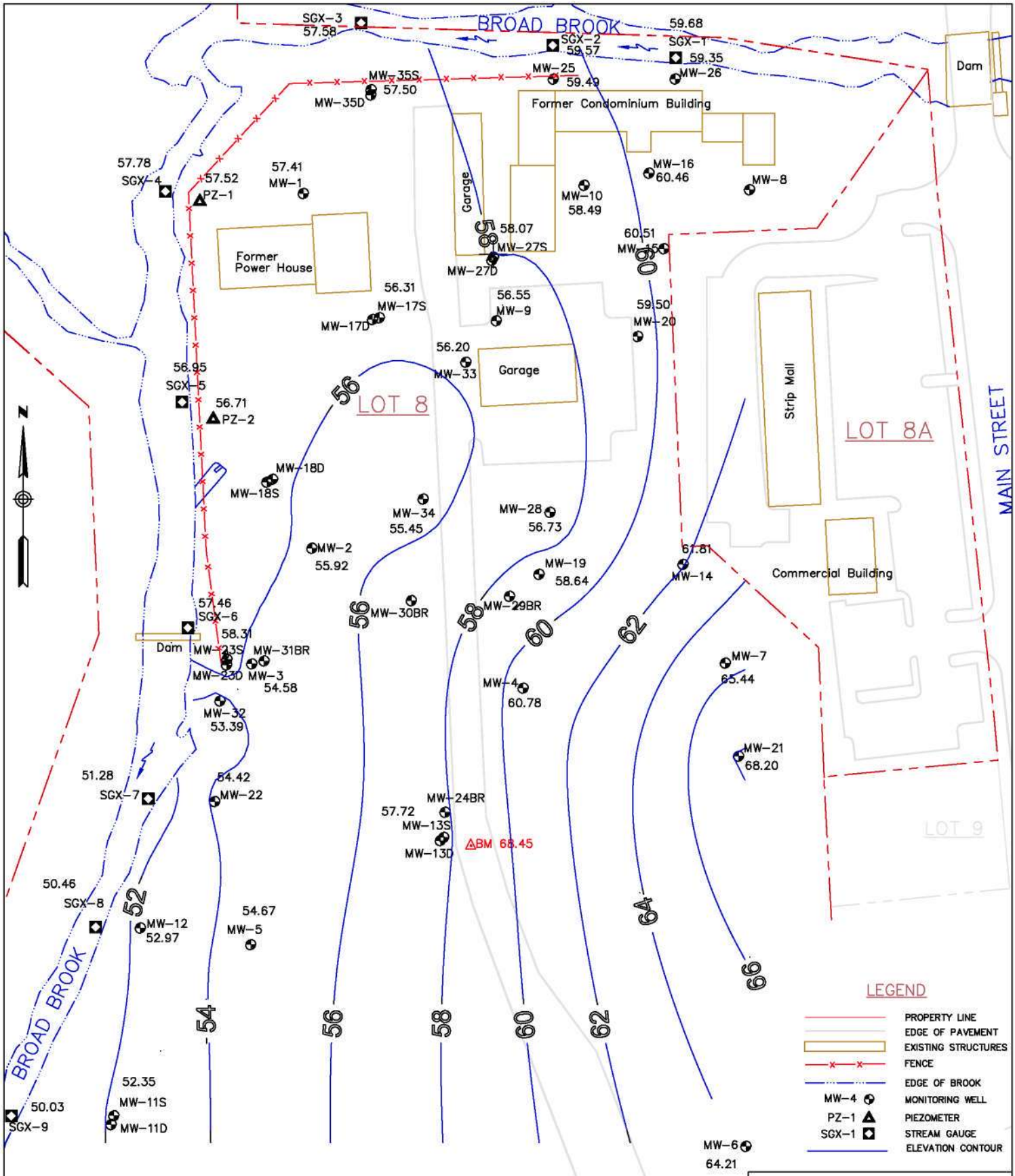


XPERT DESIGN AND DIAGNOSTICS, LLC

NOTES:

Existing structures, property lines and reference elevations were obtained from the map entitled Grading Plan – Millbrook – Section 666 – Phases 5,6 – Property of CJP Incorporated" by Dubiel Associates, Scale 1" = 40', Revision July 1990. The revised property boundary location is obtained from Dubiel Associates Drawing Dated May 26, 2004.
Bench mark elevation of 68.45 feet from sanitary manhole #2 used for elevations of all sample locations.
All elevations based on NGVD 29 and are in feet above Mean Sea Level.
Locations of all monitoring wells and stream gauges as surveyed by LEA during period from October 1996 through April 1998 and modified as per survey results of Pudeler Engineering, November 2003.

SCALE: 1" = 100'	TITLE: GROUNDWATER ELEVATION CONTOURS: NOVEMBER 2003 BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 18 — REV. B
CHECKED BY: JMP	
PROJ. MGMT. APPROVAL: MM	

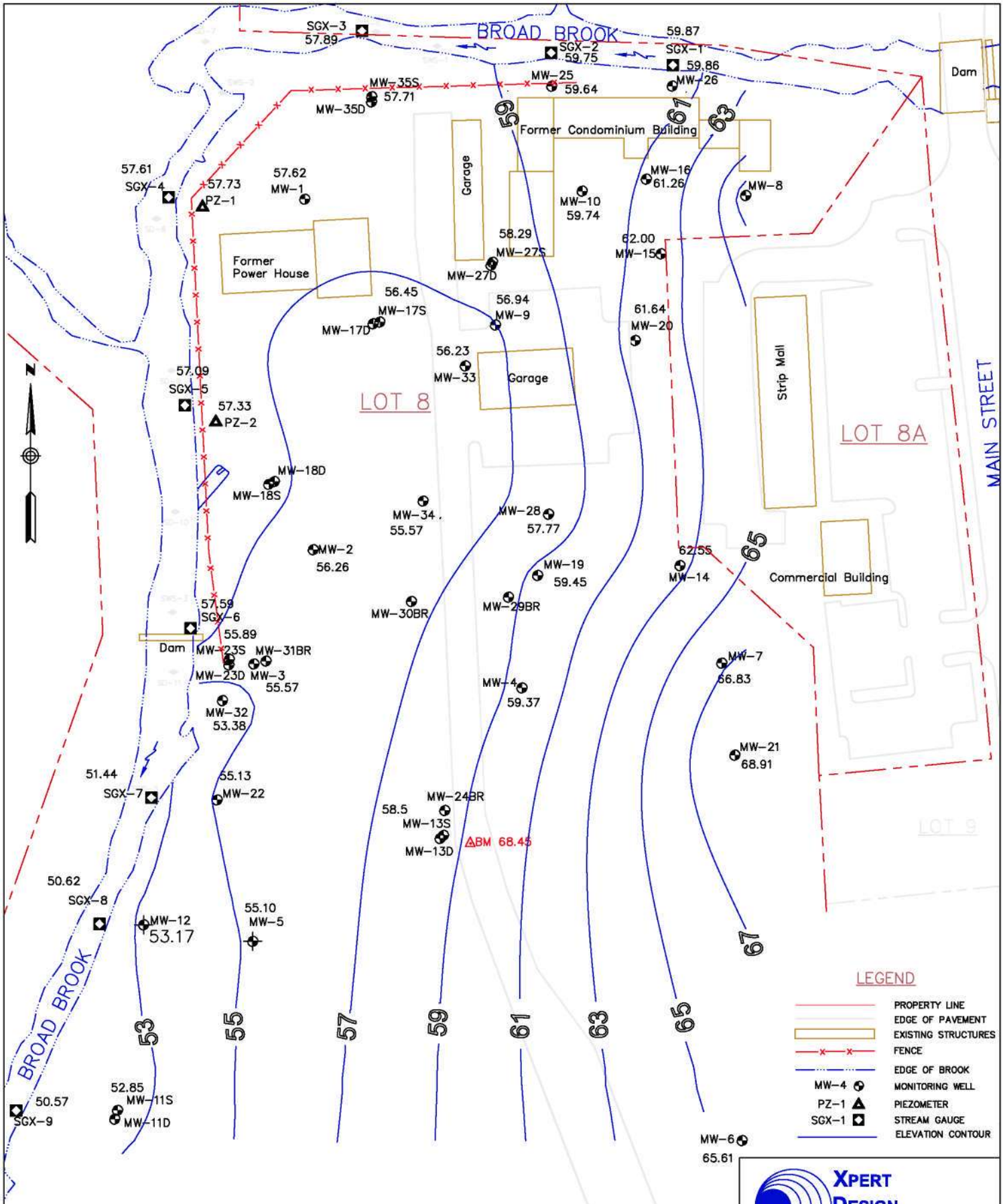


XPERT DESIGN AND DIAGNOSTICS, LLC

NOTES:

Existing structures, property lines and reference elevations were obtained from the map entitled Grading Plan – Millbrook – Section 666 – Phases 5,6 – Property of CJP Incorporated" by Dubiel Associates, Scale 1" = 40', Revision July 1990. The revised property boundary location is obtained from Dubiel Associates Drawing Dated May 26, 2004.
Bench mark elevation of 68.45 feet from sanitary manhole #2 used for elevations of all sample locations.
All elevations based on NGVD 29 and are in feet above Mean Sea Level.
Locations of all monitoring wells and stream gauges as surveyed by LEA during period from October 1996 through April 1998 and modified as per survey results of Pudeler Engineering, November 2003.

SCALE: 1" = 100'	TITLE: GROUNDWATER ELEVATION CONTOURS: FEBRUARY 2004 BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 19
CHECKED BY: JMP	REV. B
PROJ. MGMT. APPROVAL: MM	

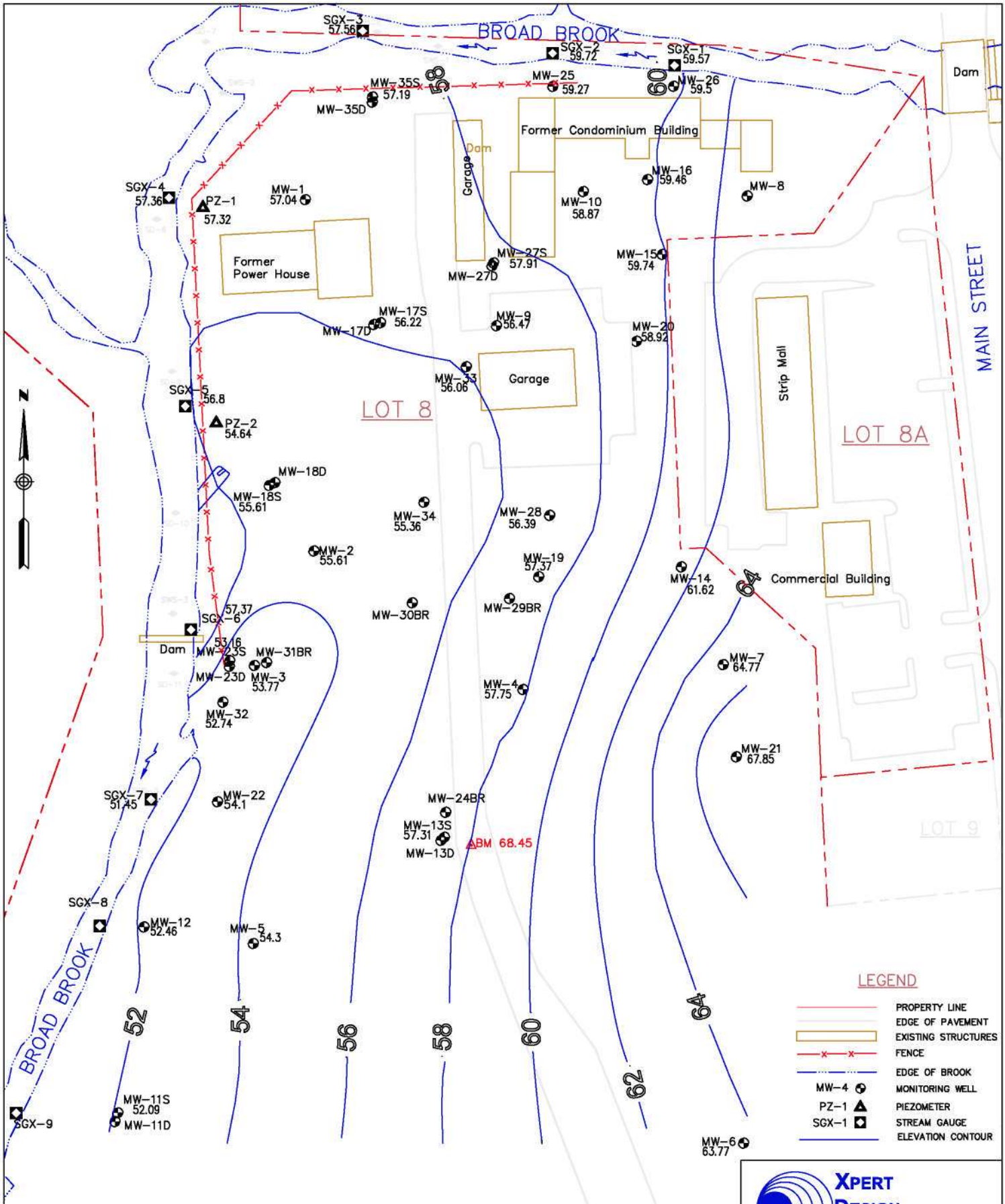


NOTES:

Existing structures, property lines and reference elevations were obtained from the map entitled Grading Plan – Millbrook – Section 666 – Phases 5,6 – Property of CJP Incorporated" by Dubiel Associates, Scale 1" = 40', Revision July 1990. The revised property boundary location is obtained from Dubiel Associates Drawing Dated May 26, 2004.
Bench mark elevation of 68.45 feet from sanitary manhole #2 used for elevations of all sample locations.
All elevations based on NGVD 29 and are in feet above Mean Sea Level.
Locations of all monitoring wells and stream gauges as surveyed by LEA during period from October 1996 through April 1998 and modified as per survey results of Pudeler Engineering, November 2003.

SCALE: 1" = 100'	TITLE: GROUNDWATER ELEVATION CONTOURS: MAY 2004 BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 20
CHECKED BY: JMP	REV. B
PROJ. MGMT. APPROVAL: MM	

XPERT DESIGN AND DIAGNOSTICS, LLC



XPERT DESIGN AND DIAGNOSTICS, LLC

NOTES:

Existing structures, property lines and reference elevations were obtained from the map entitled Grading Plan – Millbrook – Section 666 – Phases 5,6 – Property of CJP Incorporated" by Dubiel Associates, Scale 1" = 40', Revision July 1990. The revised property boundary location is obtained from Dubiel Associates Drawing Dated May 26, 2004.
Bench mark elevation of 68.45 feet from sanitary manhole #2 used for elevations of all sample locations.
All elevations based on NGVD 29 and are in feet above Mean Sea Level.
Locations of all monitoring wells and stream gauges as surveyed by LEA during period from October 1996 through April 1998 and modified as per survey results of Pudeler Engineering, November 2003.

SCALE:	1" = 100'
DATE:	MAY 2006
PROJECT NO.:	73282
CLIENT:	HSC/UTC
DRAWN BY:	DKN
CHECKED BY:	JMP
PROJ. MGMT. APPROVAL:	MM

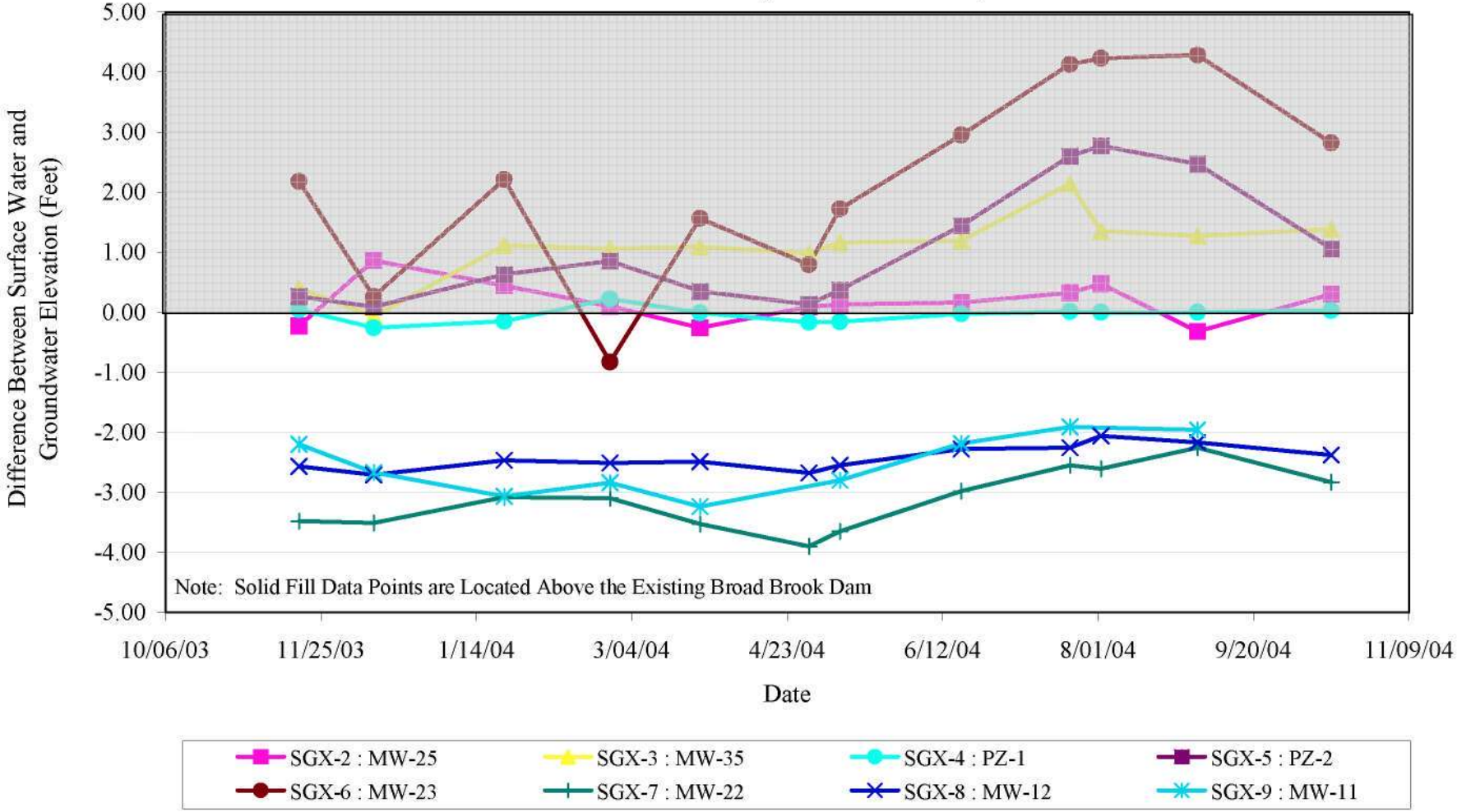
TITLE: GROUNDWATER ELEVATION CONTOURS: AUGUST 2004
BROAD BROOK MILL SITE, EAST WINDSOR, CT

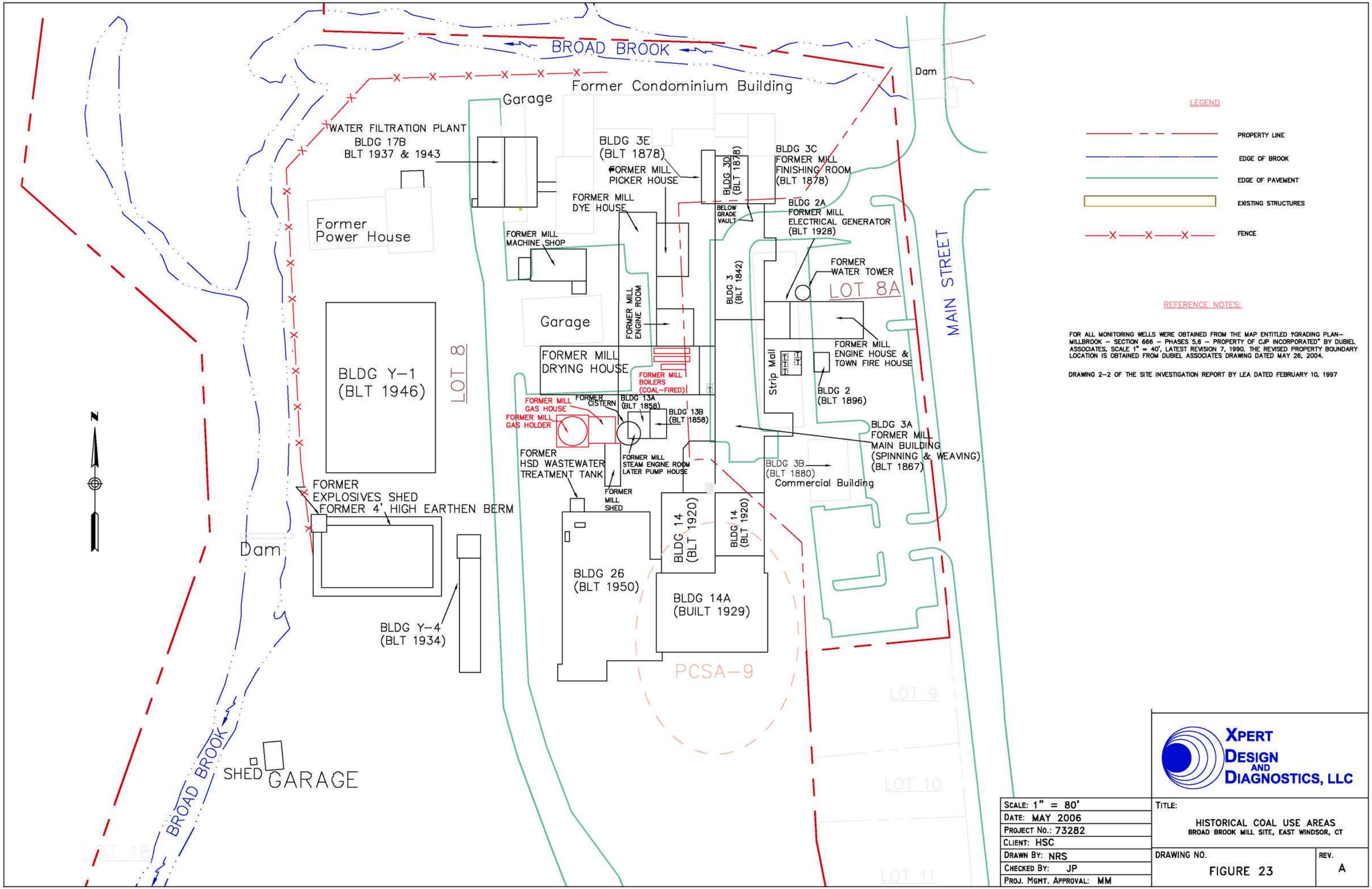
DRAWING NO. FIGURE 21 | REV. B

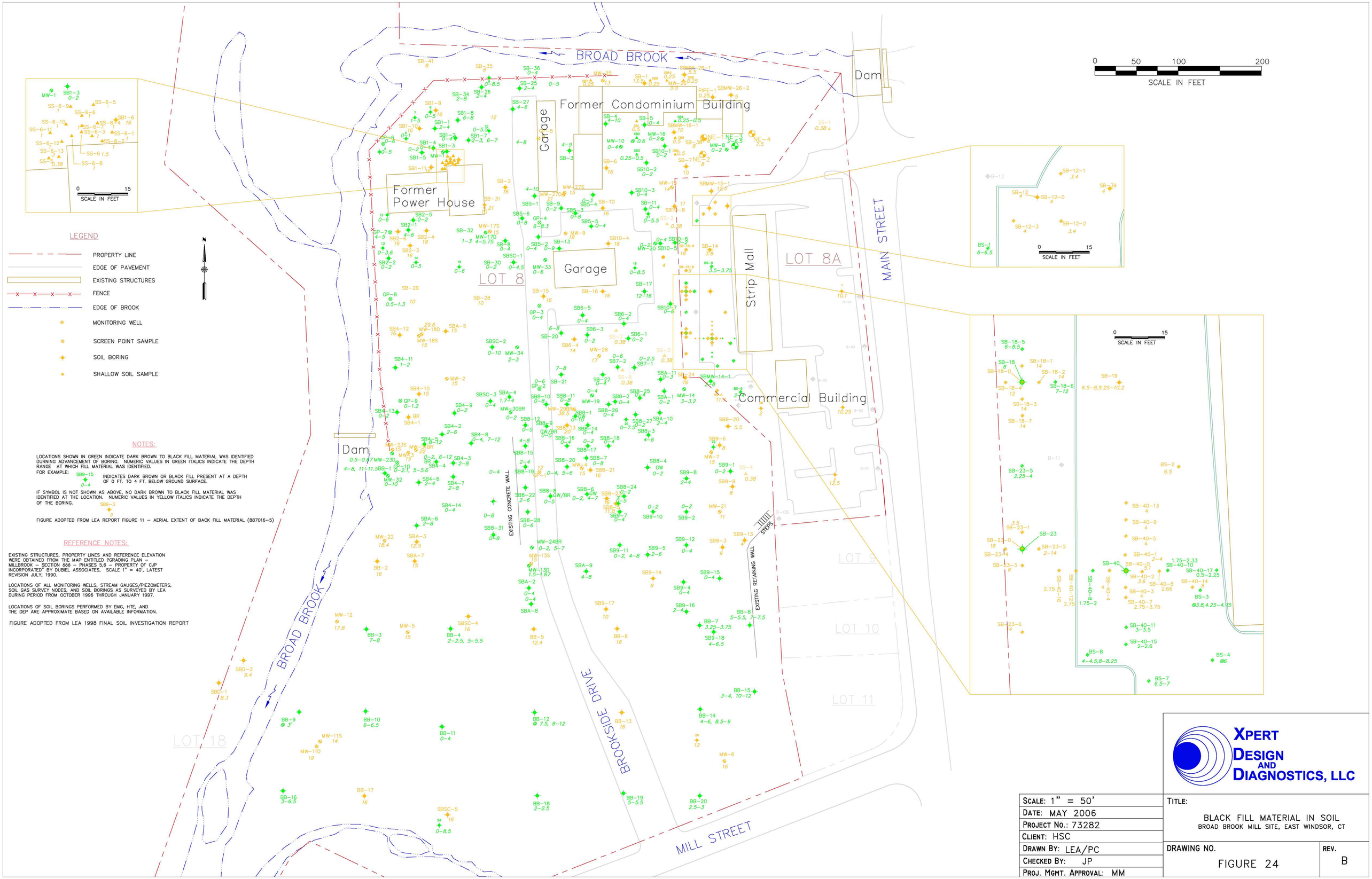
Figure 22

Temporal and Geographic Differences Between Surface Water and Groundwater Elevation

Broad Brook Mill Site, East Windsor, CT




BROAD BROOK
Former Condominium Building
Garage
Dam
WATER FILTRATION PLANT
BLDG 17B
BLT 1937 & 1943
Former
Power House
BLDG 3E
(BLT 1878)
FORMER MILL
PICKER HOUSE
BLDG 3D
(BLT 1878)
BELOW
GRADE
VAULT
BLDG 3C
FORMER MILL
FINISHING ROOM
(BLT 1878)
FORMER MILL
DYE HOUSE
BLDG 2A
FORMER MILL
ELECTRICAL GENERATOR
(BLT 1928)
FORMER MILL
MACHINE SHOP
FORMER
WATER TOWER
LOT 8A
MAIN STREET
BLDG 3
(BLT 1842)
FORMER MILL
ENGINE ROOM
Garage
FORMER MILL
DRYING HOUSE
FORMER MILL
BOILERS
(COAL-FIRED)
FORMER MILL
ENGINE HOUSE &
TOWN FIRE HOUSE
Strip Mall
BLDG 2
(BLT 1896)
BLDG Y-1
(BLT 1946)
LOT 8
FORMER MILL
GAS HOUSE
FORMER MILL
GAS HOLDER
FORMER
CISTERN
BLDG 13A
(BLT 1858)
BLDG 13B
(BLT 1858)
BLDG 3A
FORMER MILL
MAIN BUILDING
(SPINNING & WEAVING)
(BLT 1867)
FORMER
HSD WASTEWATER
TREATMENT TANK
FORMER MILL
STEAM ENGINE ROOM
LATER PUMP HOUSE
BLDG 3B
(BLT 1880)
Commercial Building
FORMER
MILL
SHED
FORMER
EXPLOSIVES SHED
FORMER 4' HIGH EARTHEN BERM
Dam
BLDG 14
(BLT 1920)
BLDG 14
(BLT 1920)
BLDG 26
(BLT 1950)
BLDG 14A
(BUILT 1929)
BLDG Y-4
(BLT 1934)
PCSA-9
LOT 9
LOT 10
LOT 11
LOT 18
BROAD BROOK
SHED
GARAGE
N
LEGEND
PROPERTY LINE
EDGE OF BROOK
EDGE OF PAVEMENT
EXISTING STRUCTURES
FENCE
REFERENCE NOTES:
FOR ALL MONITORING WELLS WERE OBTAINED FROM THE MAP ENTITLED ?GRADING PLAN– MILLBROOK – SECTION 666 – PHASES 5,6 – PROPERTY OF CJP INCORPORATED" BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION 7, 1990. THE REVISED PROPERTY BOUNDARY LOCATION IS OBTAINED FROM DUBIEL ASSOCIATES DRAWING DATED MAY 26, 2004.
DRAWING 2–2 OF THE SITE INVESTIGATION REPORT BY LEA DATED FEBRUARY 10, 1997
XPERT DESIGN AND DIAGNOSTICS, LLC
SCALE: 1" = 80'
DATE: MAY 2006
PROJECT NO.: 73282
CLIENT: HSC
DRAWN BY: NRS
CHECKED BY: JP
PROJ. MGMT. APPROVAL: MM
TITLE:
HISTORICAL COAL USE AREAS
BROAD BROOK MILL SITE, EAST WINDSOR, CT
DRAWING NO.
FIGURE 23
REV.
A



XPERT DESIGN AND DIAGNOSTICS, LLC

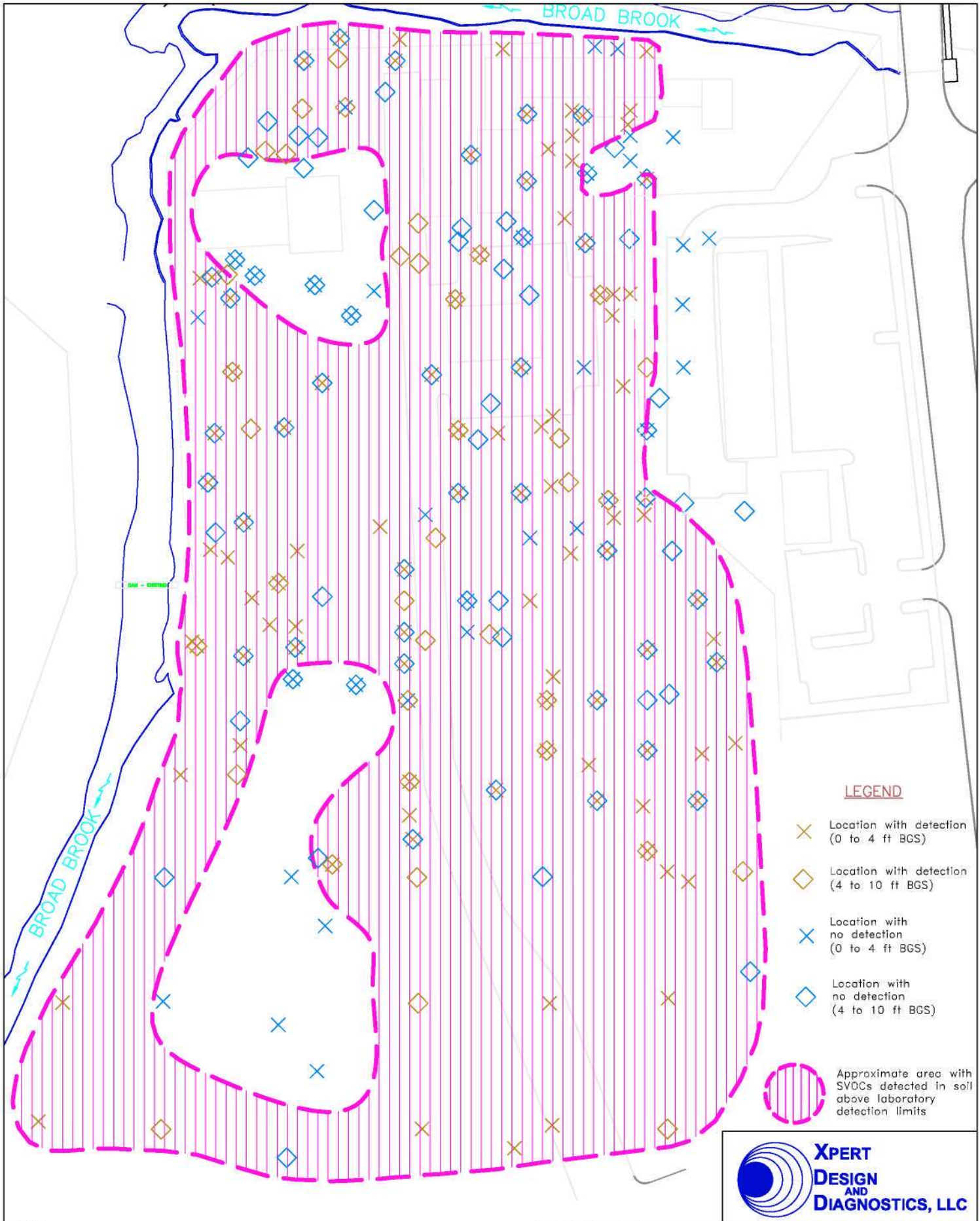
SCALE: 1" = 50'	TITLE: BLACK FILL MATERIAL IN SOIL BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC	
DRAWN BY: LEA/PC	DRAWING NO. FIGURE 24
CHECKED BY: JP	REV. B
PROJ. MGMT. APPROVAL: MM	

XPERT DESIGN AND DIAGNOSTICS, LLC

NOTES:

Existing structures, property lines and reference elevations were obtained from the map entitled Grading Plan – Millbrook – Section 666 – Phases 5,6 – Property of CJP Incorporated" by Dubiel Associates, Scale 1" = 40', Revision July 1990. The revised property boundary location is obtained from Dubiel Associates Drawing Dated May 26, 2004.
Bench mark elevation of 68.45 feet from sanitary manhole #2 used for elevations of all sample locations.
All elevations based on NGVD 29 and are in feet above Mean Sea Level.
Locations of all monitoring wells and stream gauges as surveyed by LEA during period from October 1996 through April 1998 and modified as per survey results of Pudeler Engineering, November 2003.

SCALE: 1" = 100'	TITLE: APPROXIMATE EXTENT OF METALS DETECTIONS IN POLLUTED FILL
DATE: OCTOBER 2009	BROAD BROOK MILL SITE, EAST WINDSOR, CT
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 25
CHECKED BY: JMP	REV. B
PROJ. MGMT. APPROVAL: MM	

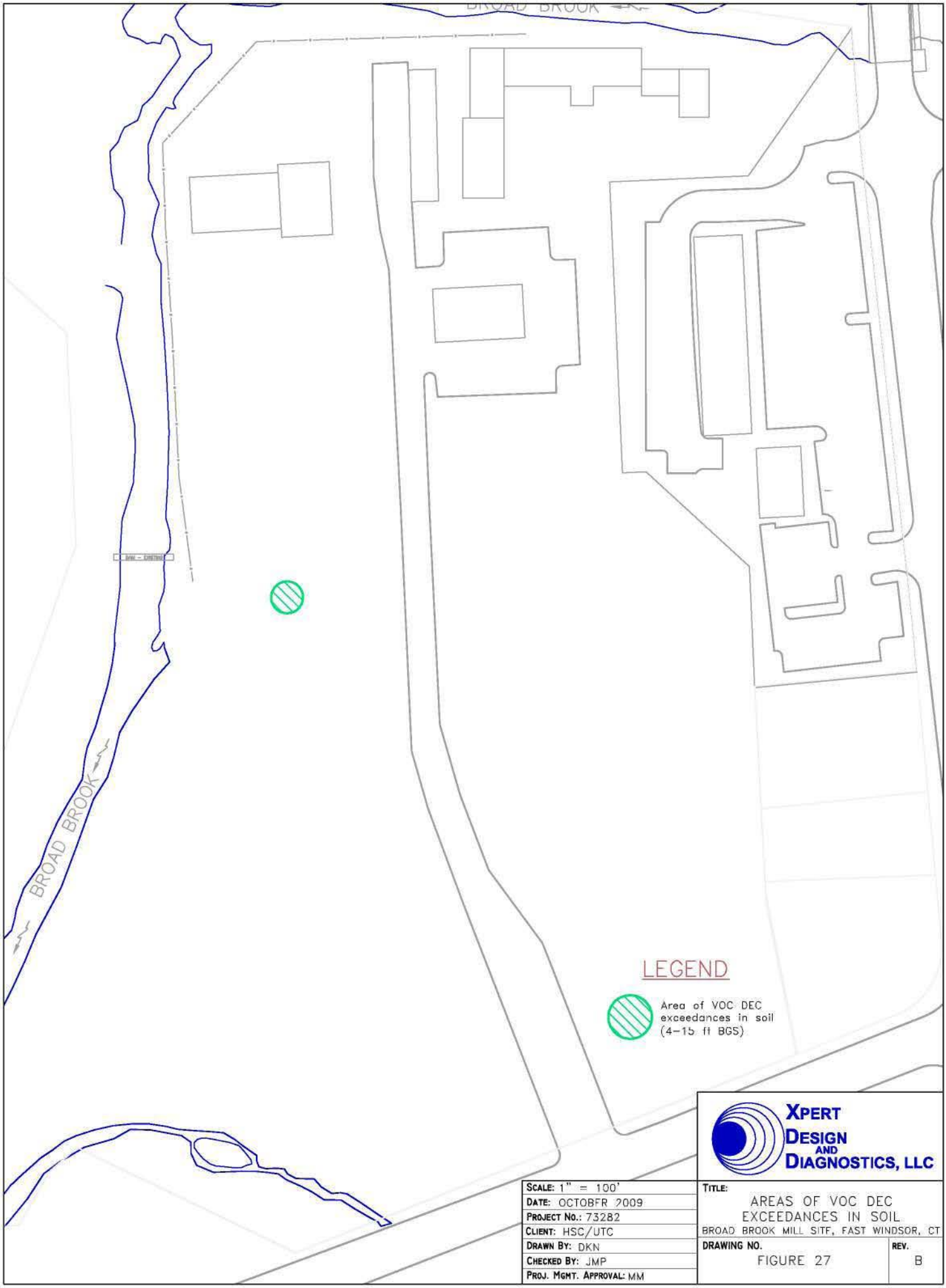


XPERT DESIGN AND DIAGNOSTICS, LLC

NOTES:

Existing structures, property lines and reference elevations were obtained from the map entitled Grading Plan – Millbrook – Section 666 – Phases 5,6 – Property of CJP Incorporated" by Dubiel Associates, Scale 1" = 40', Revision July 1990. The revised property boundary location is obtained from Dubiel Associates Drawing Dated May 26, 2004.
Bench mark elevation of 68.45 feet from sanitary manhole #2 used for elevations of all sample locations.
All elevations based on NGVD 29 and are in feet above Mean Sea Level.
Locations of all monitoring wells and stream gauges as surveyed by LEA during period from October 1996 through April 1998 and modified as per survey results of Pudeler Engineering, November 2003.

SCALE: 1" = 100'	TITLE: APPROXIMATE EXTENT OF SVOCs DETECTIONS IN POLLUTED FILL
DATE: OCTOBER 2009	BROAD BROOK MILL SITE, EAST WINDSOR, CT
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 26
CHECKED BY: JMP	REV. B
PROJ. MGMT. APPROVAL: MM	

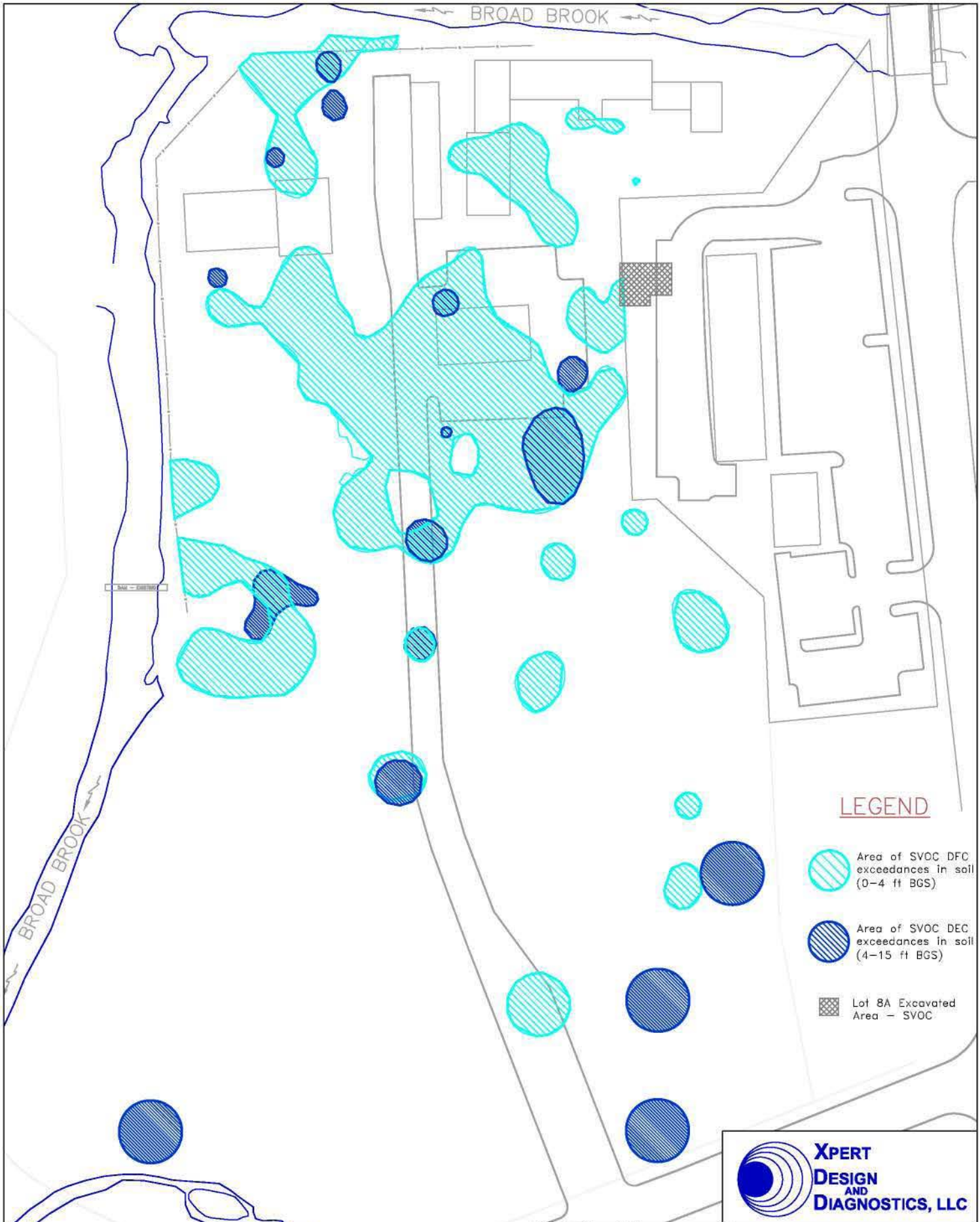


XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1" = 100'	TITLE: AREAS OF VOC DEC EXCEEDANCES IN SOIL BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: OCTOBER 2009	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 27
CHECKED BY: JMP	REV. B
PROJ. MGMT. APPROVAL: MM	

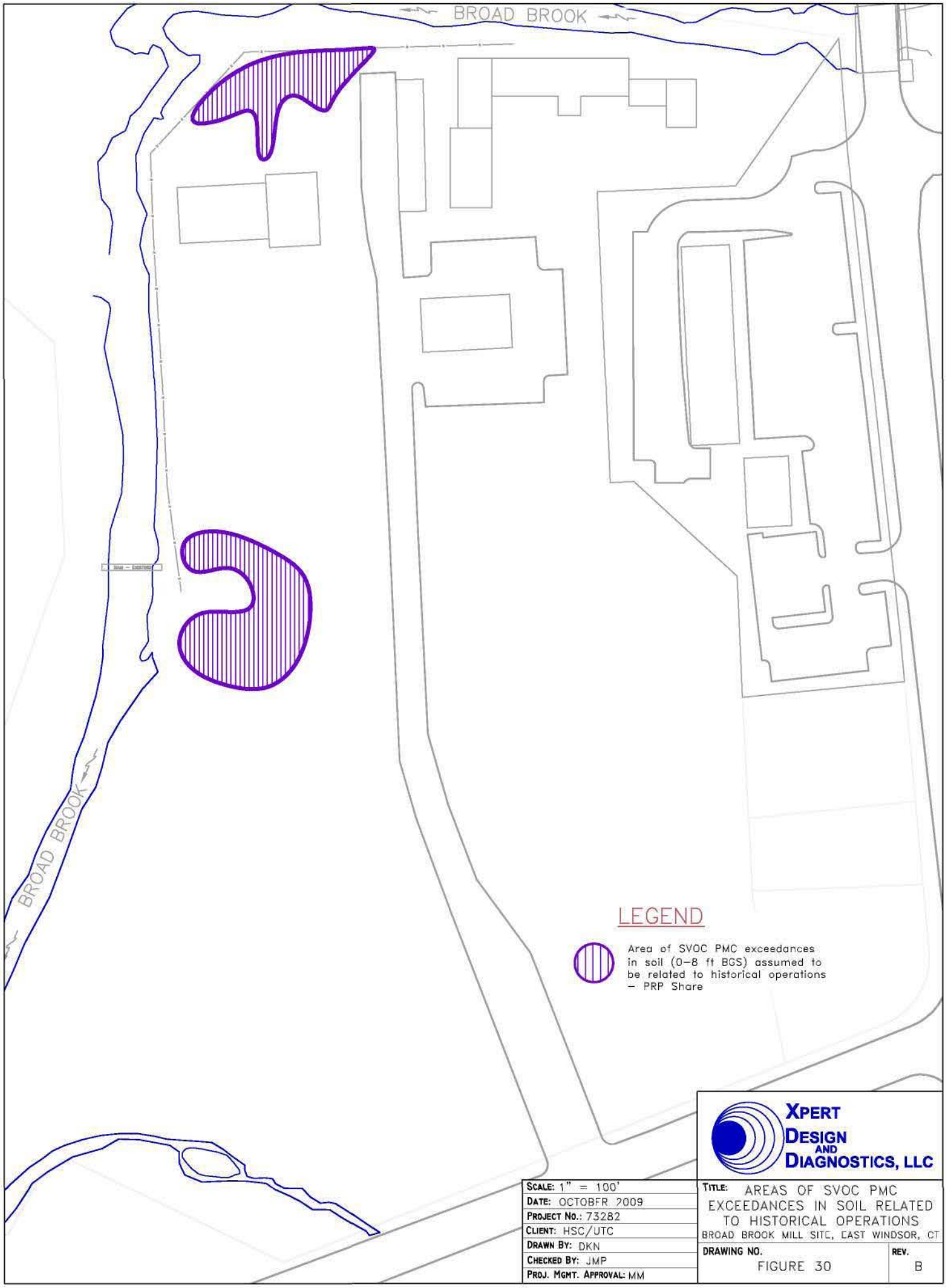
XPERT DESIGN AND DIAGNOSTICS, LLC

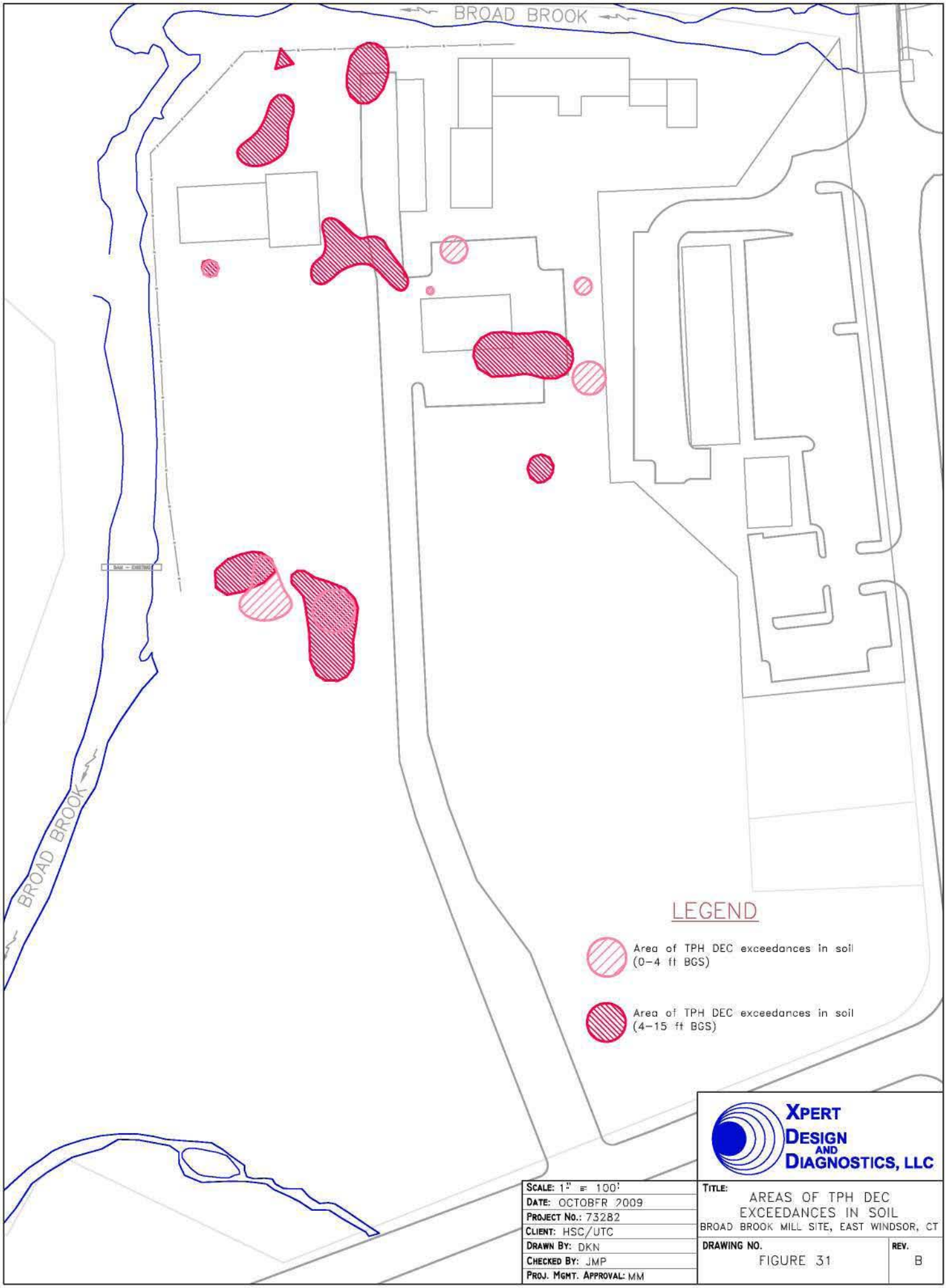
SCALE: 1" = 100'	TITLE: AREAS OF VOC PMC EXCEEDANCES IN SOIL BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: OCTOBER 2009	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 28
CHECKED BY: JMP	REV. B
PROJ. MGMT. APPROVAL: MM	



XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1" = 100'	TITLE: AREAS OF SVOC DEC EXCEEDANCES IN SOIL BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: OCTOBER 2009	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 29
CHECKED BY: JMP	REV. B
PROJ. MGMT. APPROVAL: MM	

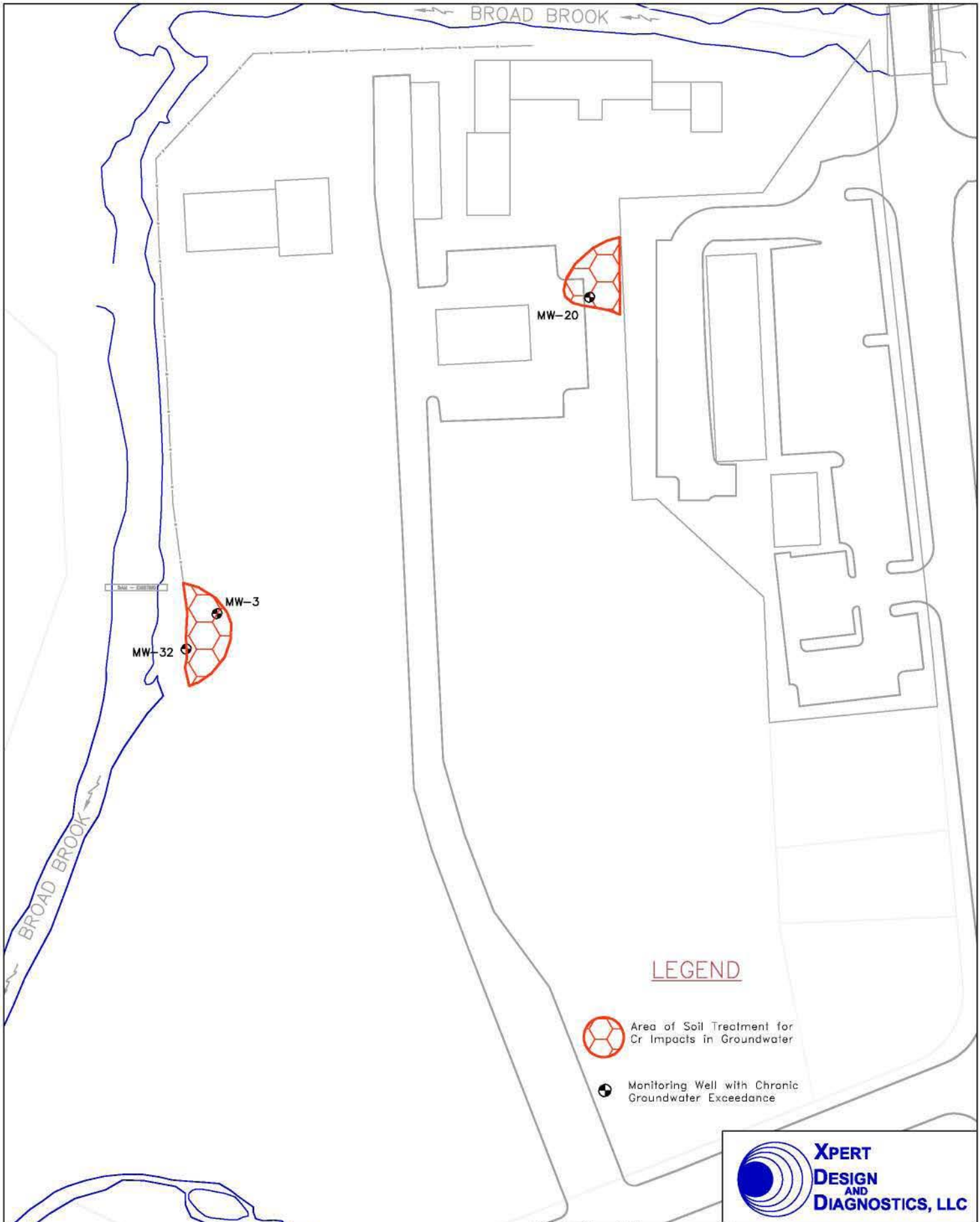

BROAD BROOK
BROAD BROOK
LEGEND
Area of SVOC PMC exceedances in soil (0–8 ft BGS) assumed to be related to historical operations – PRP Share
XPERT DESIGN AND DIAGNOSTICS, LLC
SCALE: 1" = 100'
DATE: OCTOBER 2009
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: DKN
CHECKED BY: JMP
PROJ. MGMT. APPROVAL: MM
TITLE: AREAS OF SVOC PMC EXCEEDANCES IN SOIL RELATED TO HISTORICAL OPERATIONS
BROAD BROOK MILL SITE, EAST WINDSOR, CT
DRAWING NO.
FIGURE 30
REV.
B


BROAD BROOK
BROAD BROOK
LEGEND
Area of TPH DEC exceedances in soil (0–4 ft BGS)
Area of TPH DEC exceedances in soil (4–15 ft BGS)
XPERT DESIGN AND DIAGNOSTICS, LLC
SCALE: 1" = 100'
DATE: OCTOBER 2009
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: DKN
CHECKED BY: JMP
PROJ. MGMT. APPROVAL: MM
TITLE:
AREAS OF TPH DEC EXCEEDANCES IN SOIL
BROAD BROOK MILL SITE, EAST WINDSOR, CT
DRAWING NO.
FIGURE 31
REV.
B

BROAD BROOK
BROAD BROOK
LEGEND
Area of TPH PMC exceedances in soil (0-8 ft BGS)
XPERT DESIGN AND DIAGNOSTICS, LLC
SCALE: 1" = 100'
DATE: OCTOBER 2009
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: DKN
CHECKED BY: JMP
PROJ. MGMT. APPROVAL: MM
TITLE:
AREAS OF TPH PMC EXCEEDANCES IN SOIL
BROAD BROOK MILL SITE, EAST WINDSOR, CT
DRAWING NO.
FIGURE 32
REV.
B

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1" = 100'	TITLE: AREAS OF METAL DEC EXCEEDANCES IN SOIL
DATE: OCTOBER 2009	BROAD BROOK MILL SITE, EAST WINDSOR, CT
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 33
CHECKED BY: JMP	REV. B
PROJ. MGMT. APPROVAL: MM	



XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1" = 100'	TITLE: SOIL CHROMIUM PMC EXCEEDANCES WITH POTENTIAL IMPACT ON GROUNDWATER BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: OCTOBER 2009	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	
CHECKED BY: JMP	
PROJ. MGMT. APPROVAL: MM	DRAWING NO. FIGURE 34 — REV. B

AREA OF DETAIL

SB-12	(historical LEA data)
Depth (bgs)	0-2'
SVOCs	ND

SB-12

SB10-6	(historical LEA data)
Depth (bgs)	0-2'
Benzo(a)anthracene	2,200
Benzo(a)pyrene	2,100
Benzo(b)fluoranthene	2,600
Indeno(1,2,3-cd)pyrene	1,500

SB10-6

SB-14	(historical LEA data)
Depth (bgs)	2-3.8'
SVOCs	ND

SB-14

AREA OF EXCAVATION
(REFER TO APPENDIX F)

LEGEND

- EDGE OF PAVEMENT
- PROPERTY BOUNDARY
- SOIL BORING LOCATION
- EXTENT OF EXCAVATION

0 10 20
SCALE IN FEET

All concentrations are expressed in ug/kg (ppb)

SVOC – semi-volatile organic compound

ND = not detected

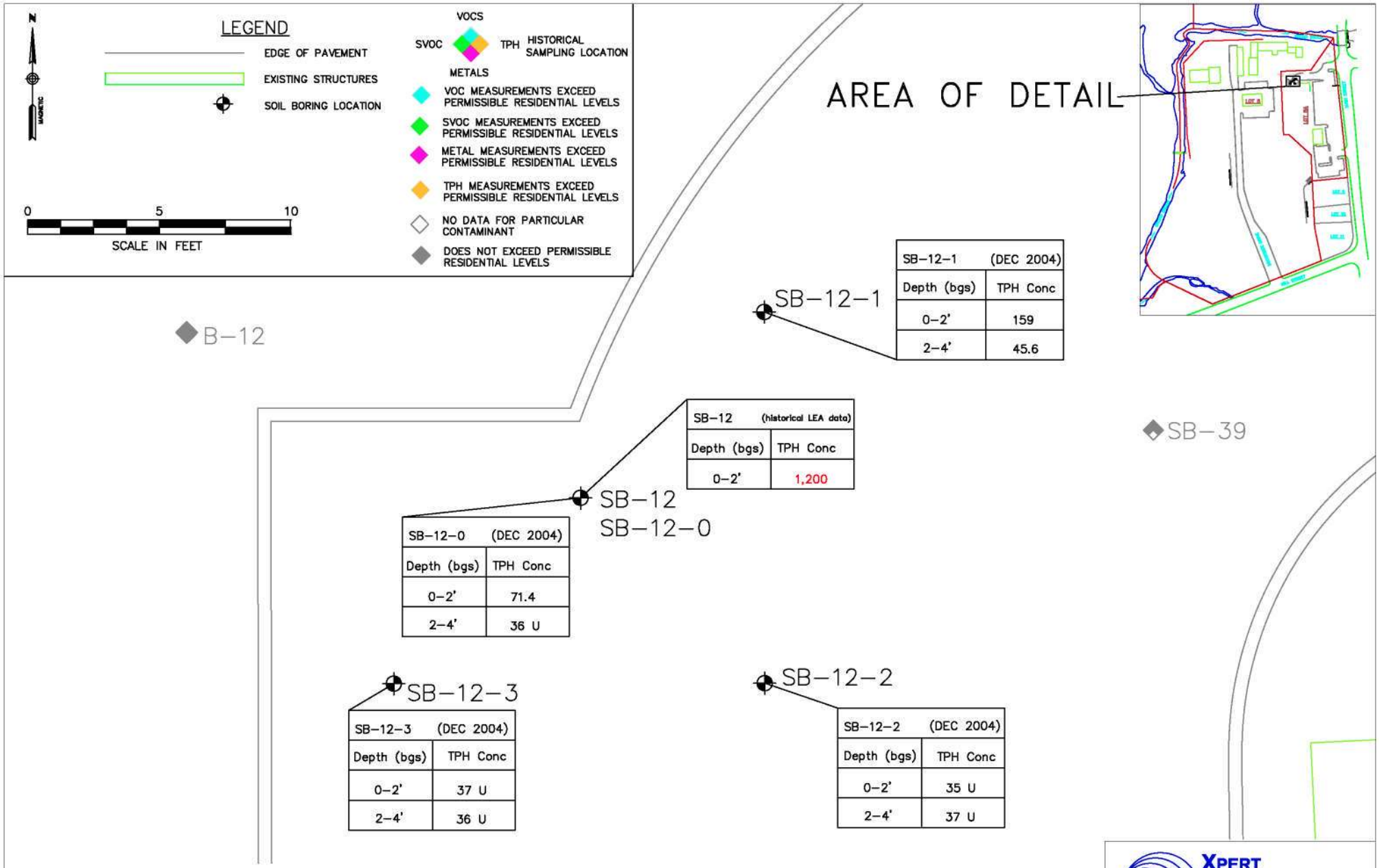
(bgs) – below ground surface

The residential DEC for for each of the shown SVOCs is 1,000 ug/kg

indicates that the clean-up criteria is exceeded

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1"= 10'	TITLE: LOT 8A: SVOCs DELINEATION AT SB10-6 BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: KJW	DRAWING NO. FIGURE 35
CHECKED BY: JMP	REV. A
PROJ. MGMT. APPROVAL: JMP	



SB-12-1	(DEC 2004)
Depth (bgs)	TPH Conc
0-2'	159
2-4'	45.6

SB-12	(historical LEA data)
Depth (bgs)	TPH Conc
0-2'	1,200

SB-12-0	(DEC 2004)
Depth (bgs)	TPH Conc
0-2'	71.4
2-4'	36 U

SB-12-3	(DEC 2004)
Depth (bgs)	TPH Conc
0-2'	37 U
2-4'	36 U

SB-12-2	(DEC 2004)
Depth (bgs)	TPH Conc
0-2'	35 U
2-4'	37 U

All concentrations are expressed in mg/kg (ppm)

U compound was not detected at the indicated concentration

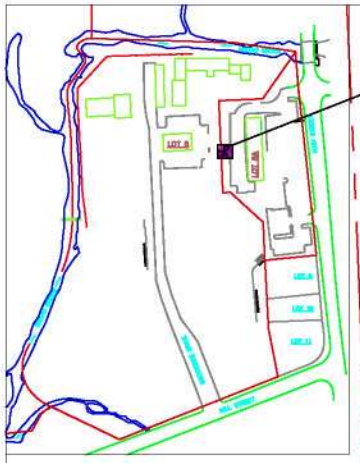
bgs below ground surface

The residential clean-up criteria for TPH is 500 mg/kg, which is the lower of the residential DEC and GAPMC

indicates that the clean-up criteria is exceeded

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1"= 5'	TITLE: LOT 8A: TPH DELINEATION AT SB-12 BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: KJW	DRAWING NO. FIGURE 36
CHECKED BY: JMP	REV. A
PROJ. MGMT. APPROVAL: JMP	



AREA OF DETAIL

SB-18-5	(DEC 2004)
Depth (bgs)	ARSENIC
8-10'	1.5
10-12'	0.8
12-14'	0.76

SB-18-1	(DEC 2004)
Depth (bgs)	ARSENIC
8-10'	7.8
10-12'	0.52 B
12-14'	0.45 B

SB-18	(historical LEA data)
Depth (bgs)	ARSENIC
4-6'	2.24
10-12'	27

SB-18-5

SB-18-1

SB-18-4

SB-18

SB-18-2

SB-18-6

SB-18-3

SB-18-7

AREA OF EXCAVATION
(REFER TO APPENDIX F)

SB-18-3	(DEC 2004)
Depth (bgs)	ARSENIC
8-10'	1.3
10-12'	0.61
12-14'	0.5 B

SB-18-2	(DEC 2004)
Depth (bgs)	ARSENIC
8-10'	2
10-12'	0.87
12-14'	0.52 B

N

MAGNETIC

0 5 10

SCALE IN FEET

LEGEND

- EDGE OF PAVEMENT
- PROPERTY BOUNDARY
- SOIL BORING LOCATION
- SOIL BORING LOCATION (NOT ANALYZED)
- EXTENT OF EXCAVATION

Arsenic **concentrations are expressed in mg/kg (ppm)**

B – indicates analyte found in associated method blank

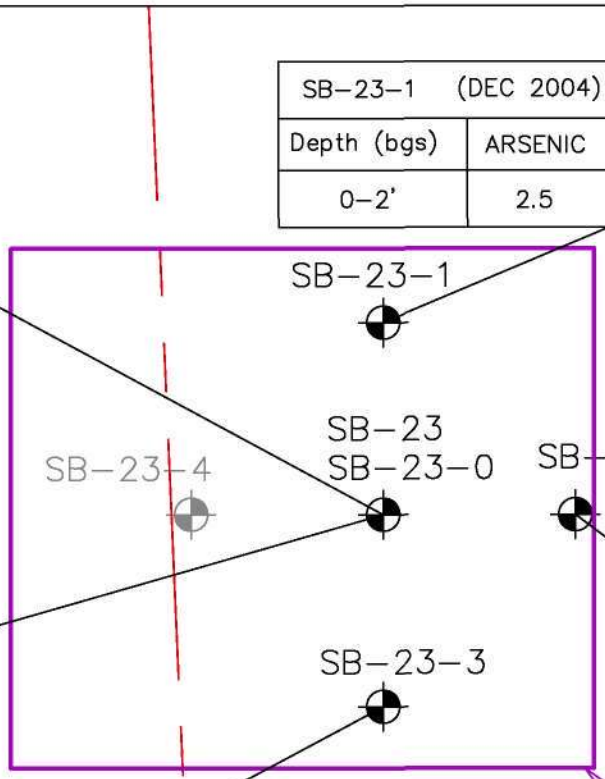
(bgs) – below ground surface

The residential DEC for Arsenic is 10 mg/kg

indicates that the clean-up criteria is exceeded

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1"= 5'	TITLE: LOT 8A: ARSENIC DELINEATION AT SB-18 BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: KJW	DRAWING NO. FIGURE 37
CHECKED BY: JMP	REV. A
PROJ. MGMT. APPROVAL: , JMP	



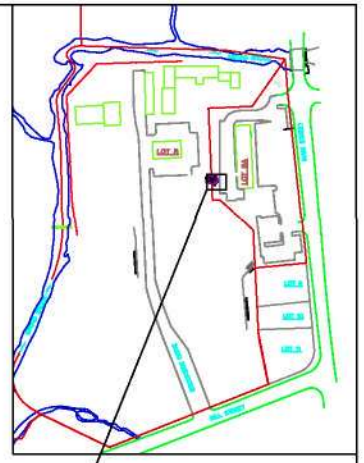
SB-23-1	(DEC 2004)
Depth (bgs)	ARSENIC
0-2'	2.5

SB-23 (Historic LEA data)	
Depth (bgs)	ARSENIC
2-4'	11.6
8-10'	2.09

SB-23-0	(DEC 2004)
Depth (bgs)	ARSENIC
0-2'	5.8
4-6'	1.7

SB-23-2	(DEC 2004)
Depth (bgs)	ARSENIC
0-2'	2
2-4'	2.5
4-6'	4.1

SB-23-3	(DEC 2004)
Depth (bgs)	ARSENIC
0-2'	3.2
2-4'	5.8
4-6'	4.3



AREA OF DETAIL

AREA OF EXCAVATION
(REFER TO APPENDIX F)

LEGEND

- EDGE OF PAVEMENT
- PROPERTY BOUNDARY
- SOIL BORING LOCATION
- SOIL BORING LOCATION (NOT ANALYZED)
- EXTENT OF EXCAVATION

Arsenic **concentrations are expressed in mg/kg (ppm)**

(bgs) – below ground surface

The residential DEC for Arsenic is 10 mg/kg

indicates that the clean-up criteria is exceeded

0 5 10
SCALE IN FEET

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1"= 5'	TITLE: LOT 8A: ARSENIC DELINEATION AT SB-23 BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: KJW	DRAWING NO. FIGURE 38
CHECKED BY: JMP	REV. A
PROJ. MGMT. APPROVAL: JMP	

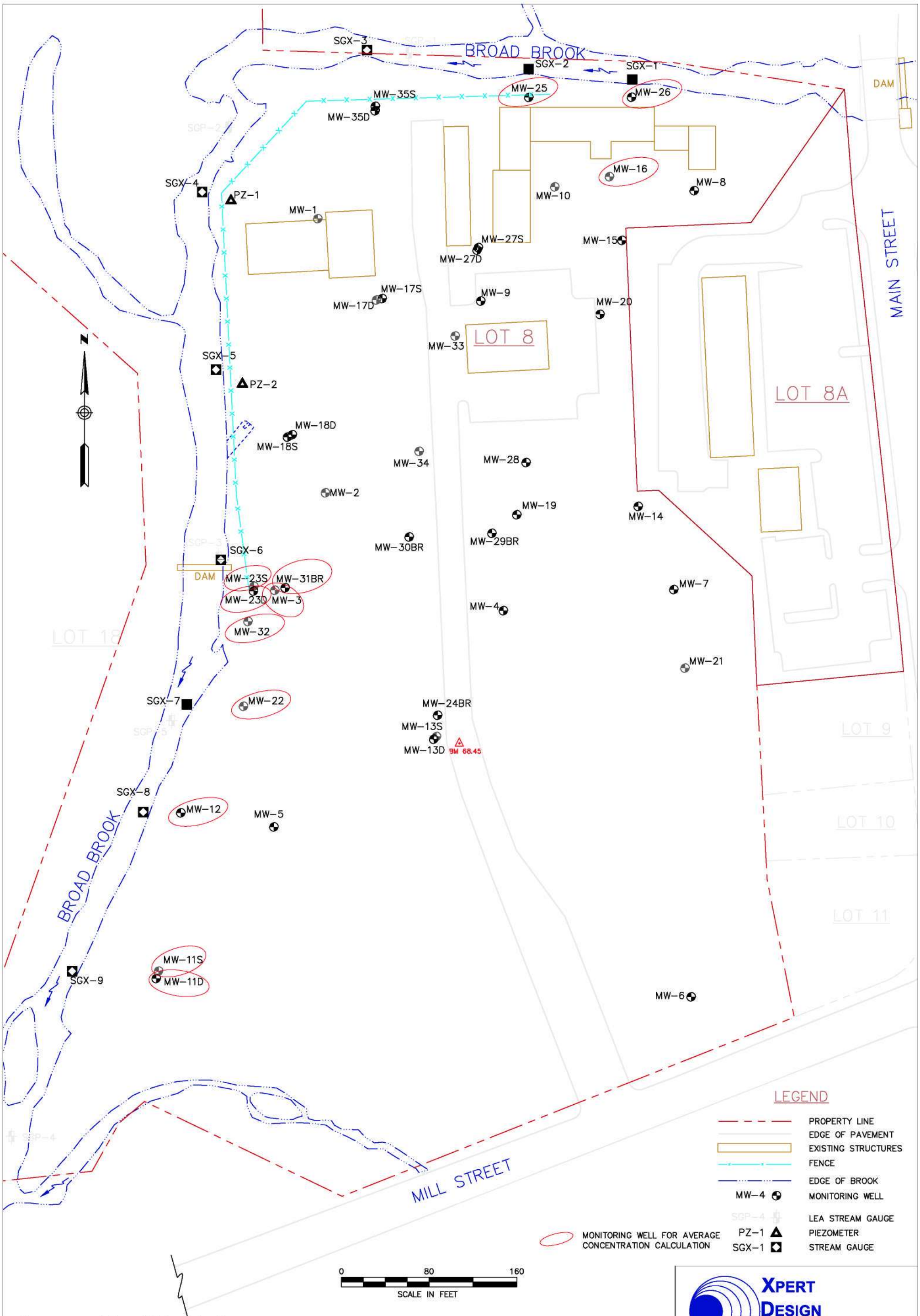


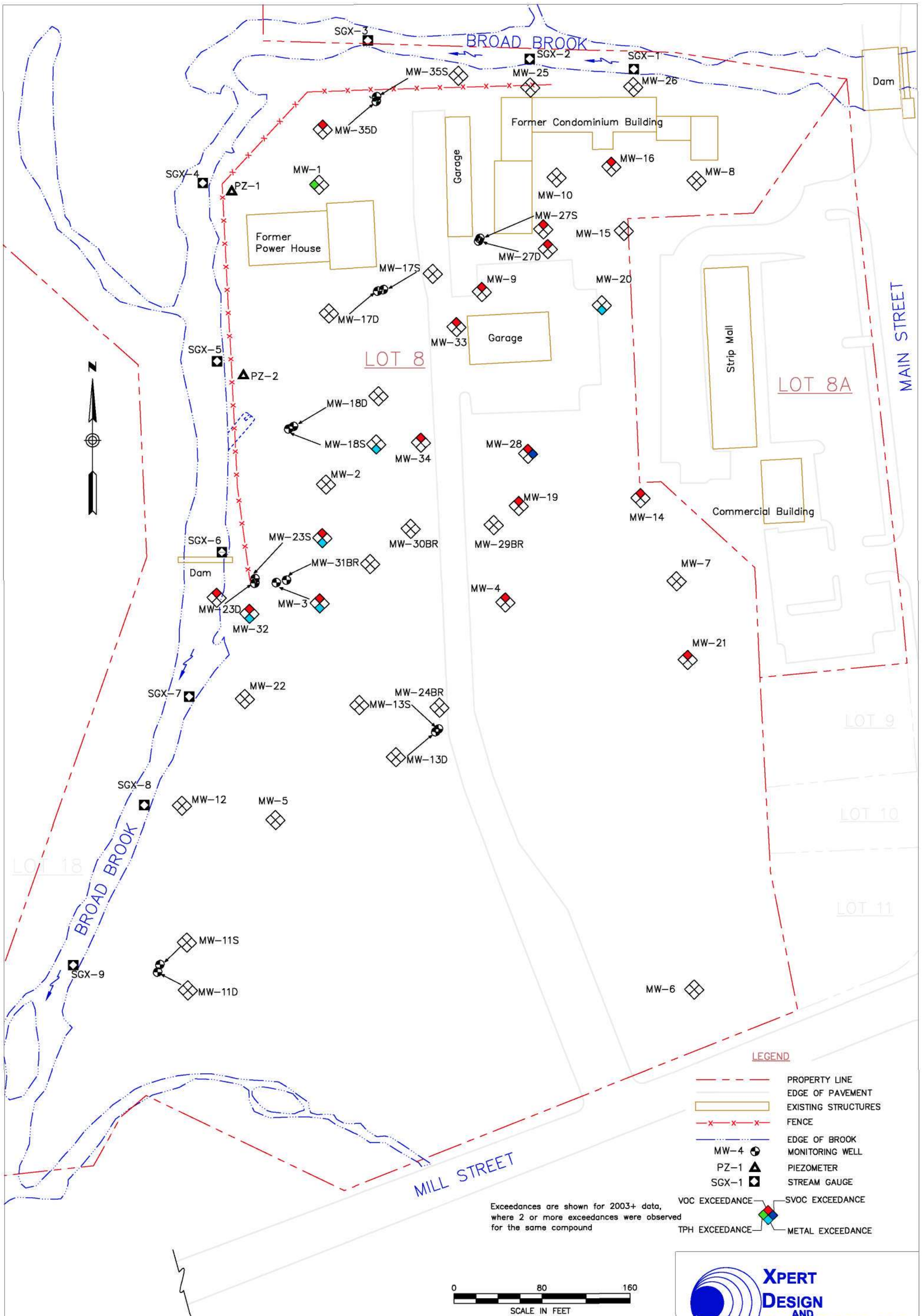
Figure prepared from LEA base drawing.
Existing structures, property lines and reference elevations were obtained from the map entitled Grading Plan – Millbrook – Section 666 – Phases 5,6 – Property of CJP Incorporated" by Dubiel Associates, Scale 1" = 40', Revision July 1990.
Bench mark elevation of 68.45 feet from sanitary manhole #2 used for elevations of all permanent sample locations.
All elevations based on NGVD 29.
Locations of all monitoring wells and stream gauges/piezometers as surveyed by LEA during period from October 1996 through April 1998. Modified following survey results of Pudeler Engineering, November 2003. Stream gauge locations were not updated.

SCALE: 1" = 80'	
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: MTT	
CHECKED BY: JMP	
PROJ. MGMT. APPROVAL: MM	

XPERT DESIGN AND DIAGNOSTICS, LLC

TITLE: MONITORING WELLS USED FOR AVERAGE ARSENIC CONCENTRATION
BROAD BROOK MILL SITE, EAST WINDSOR, CT

DRAWING NO. FIGURE 39 REV. B



NOTES:

Existing structures, property lines and reference elevations were obtained from the map entitled Grading Plan – Millbrook – Section 666 – Phases 5,6 – Property of CJP Incorporated" by Dubiel Associates, Scale 1" = 40', Revision July 1990. The revised property boundary location is obtained from Dubiel Associates drawing dated May 26, 2004.
Locations of all monitoring wells and stream gauges/piezometers as surveyed by LEA during period from October 1996 through April 1998 and modified as per survey results of Pudeler Engineering, November 2003.

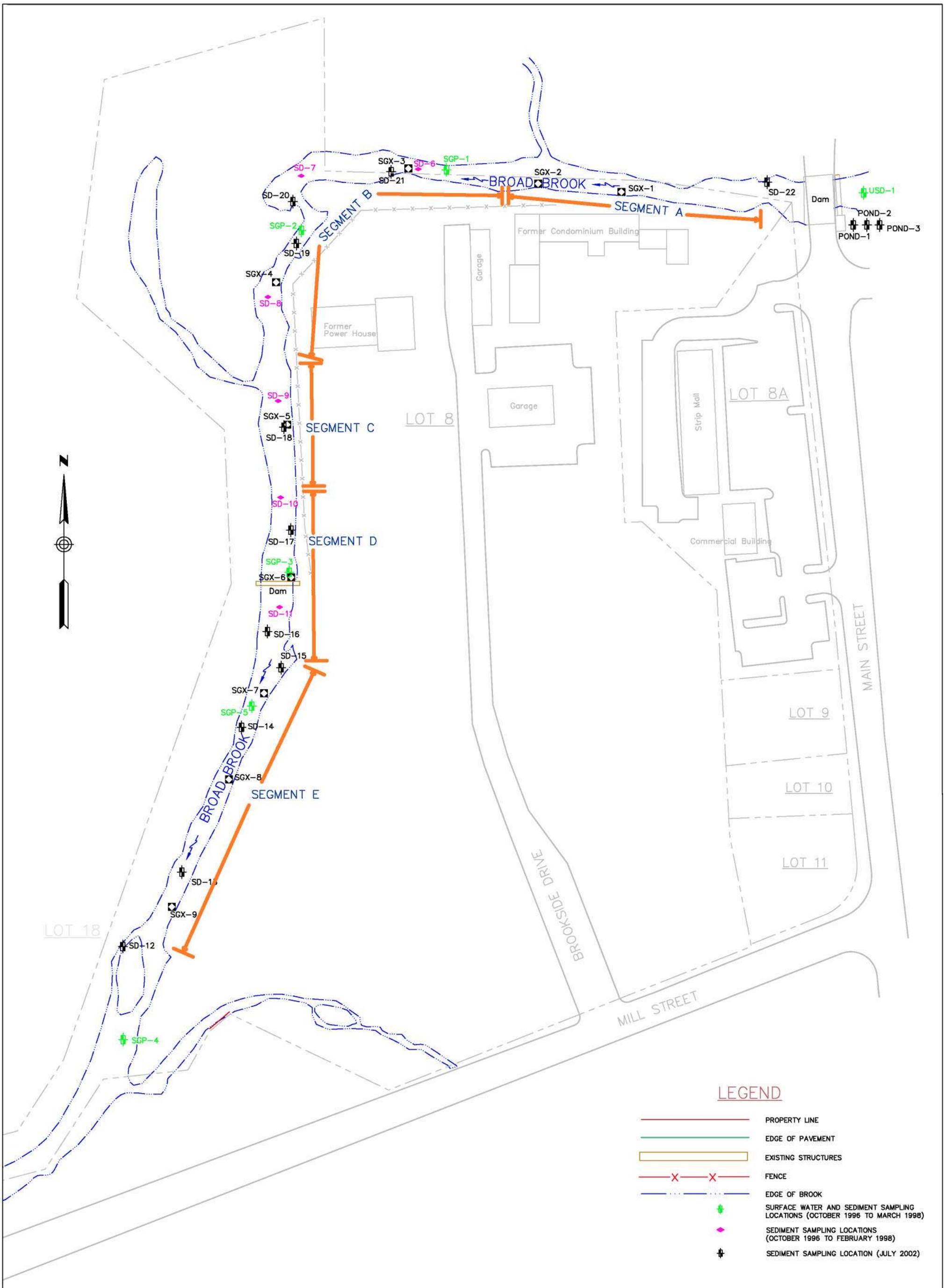
SCALE: 1" = 80'	
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	
CHECKED BY: JP	
PROJ. MGMT. APPROVAL: . MM	

XPERT DESIGN AND DIAGNOSTICS, LLC

TITLE: GROUNDWATER EXCEEDING CLEANUP CRITERIA
BROAD BROOK MILL SITE, EAST WINDSOR, CT

DRAWING NO. FIGURE 40

REV. B



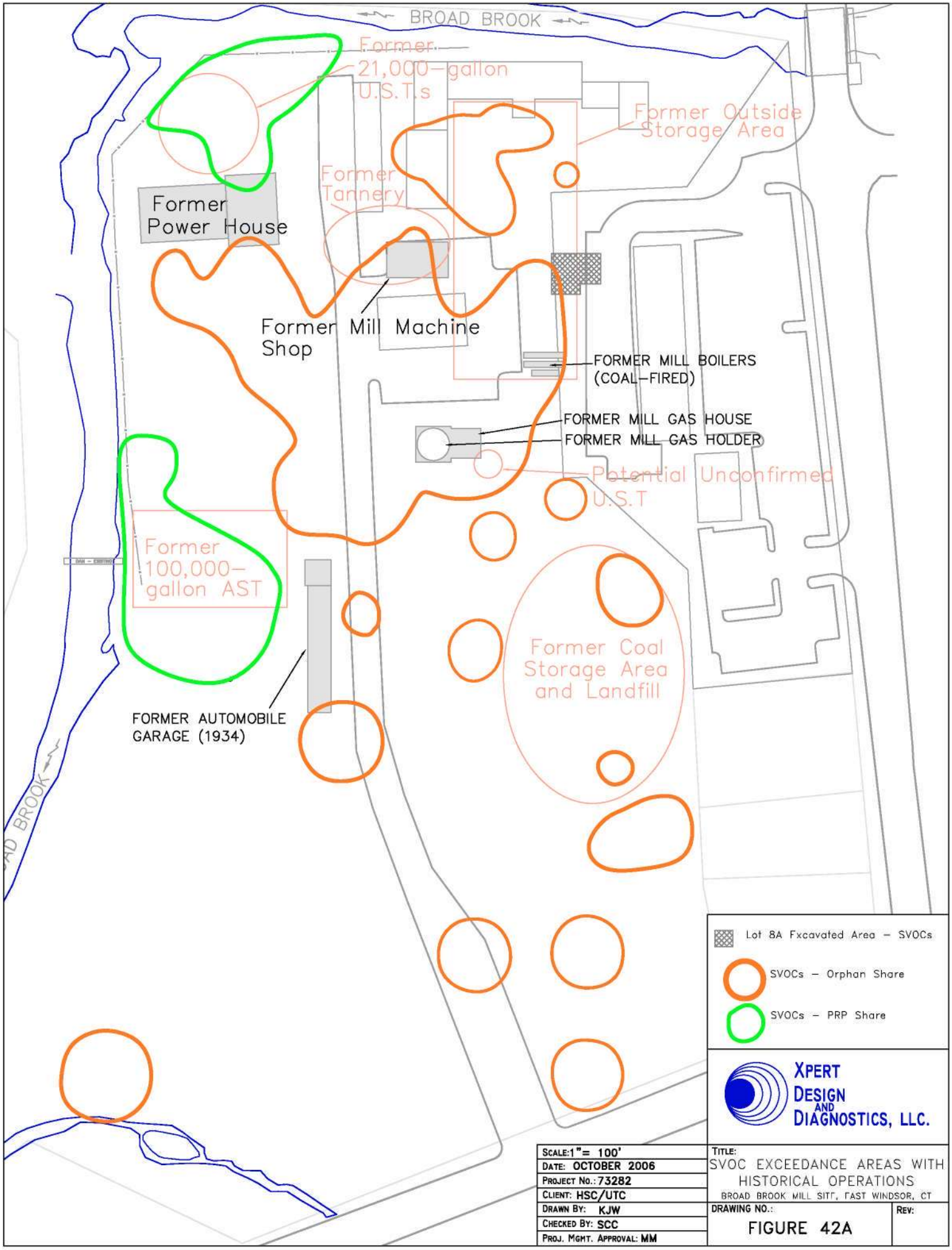
REFERENCE NOTES:

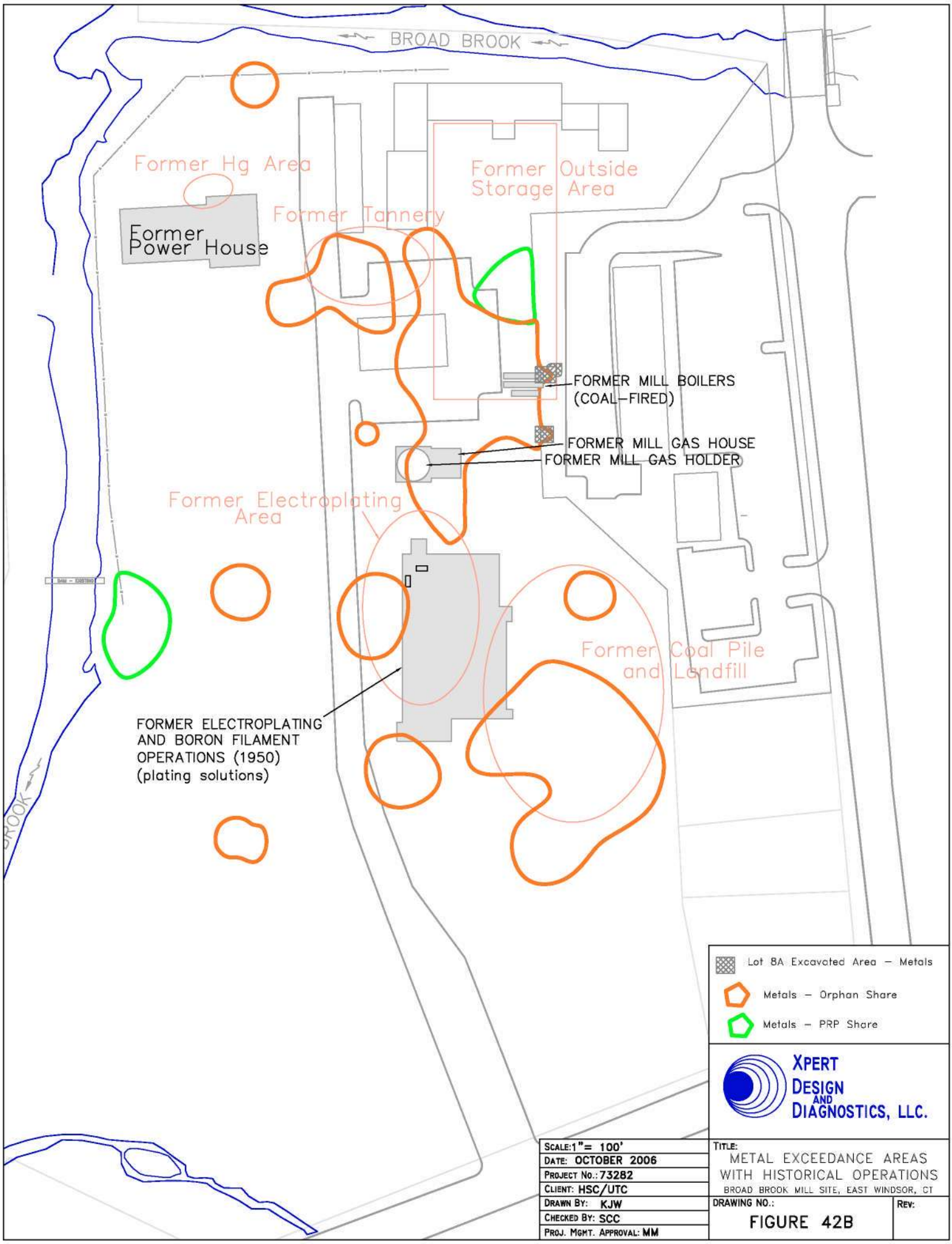
EXISTING STRUCTURES, PROPERTY LINES AND REFERENCE ELEVATION WERE OBTAINED FROM THE MAP ENTITLED ?GRADING PLAN – MILLBROOK – SECTION 666 – PHASES 5,6– PROPERTY OF CJP INCORPORATED" BY DUBIEL ASSOCIATES, SCALE 1" = 40', LATEST REVISION JULY, 1990. THE REVISED PROPERTY BOUNDARY LOCATION IS OBTAINED FROM DUBIEL ASSOCIATES DRAWING DATED MAY 26, 2004.

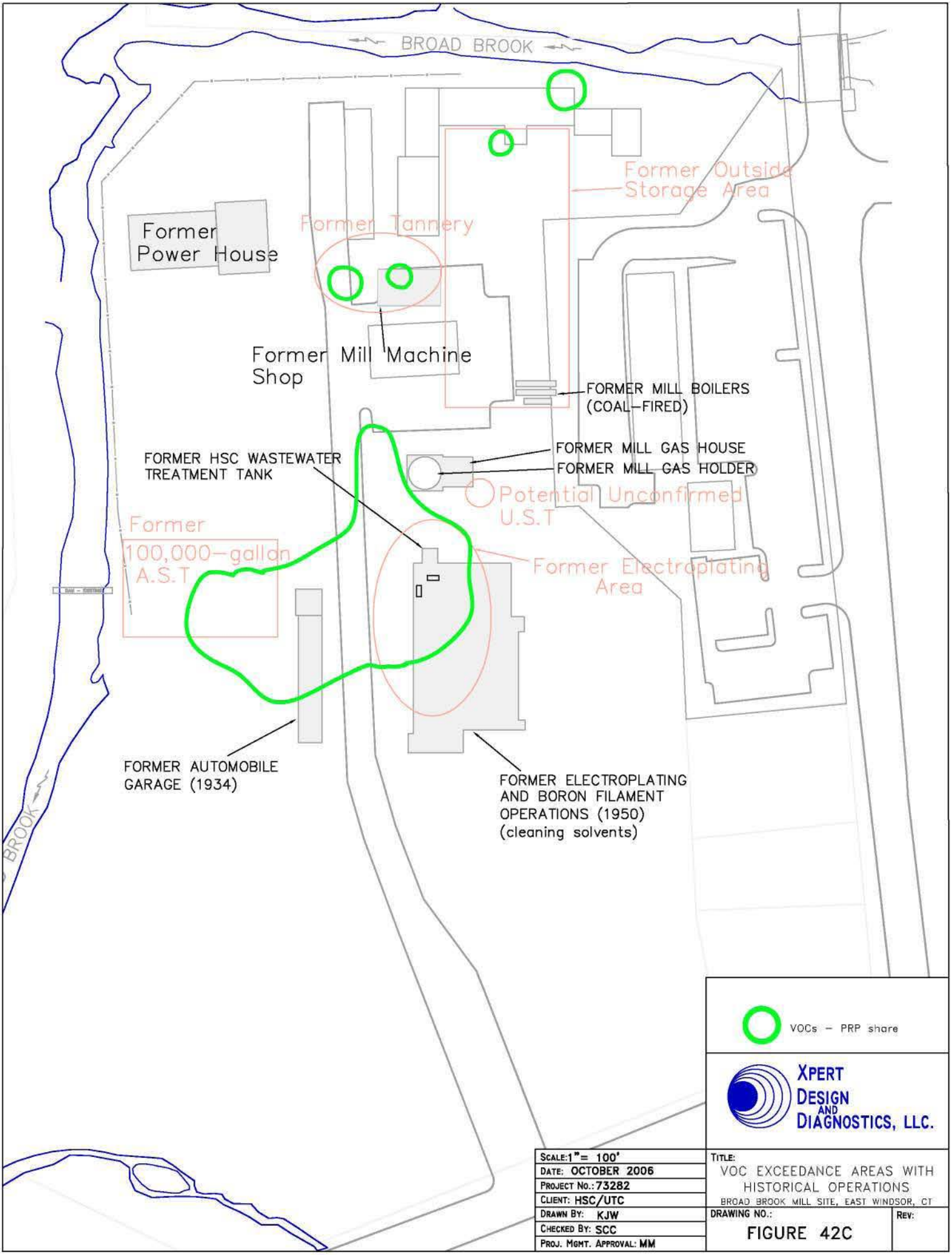
ALL SEDIMENT AND SURFACE WATER SAMPLING LOCATIONS ARE AS SURVEYED BY LEA DURING PERIOD FROM OCTOBER 1996 THROUGH APRIL 1998 AND JULY 2002.

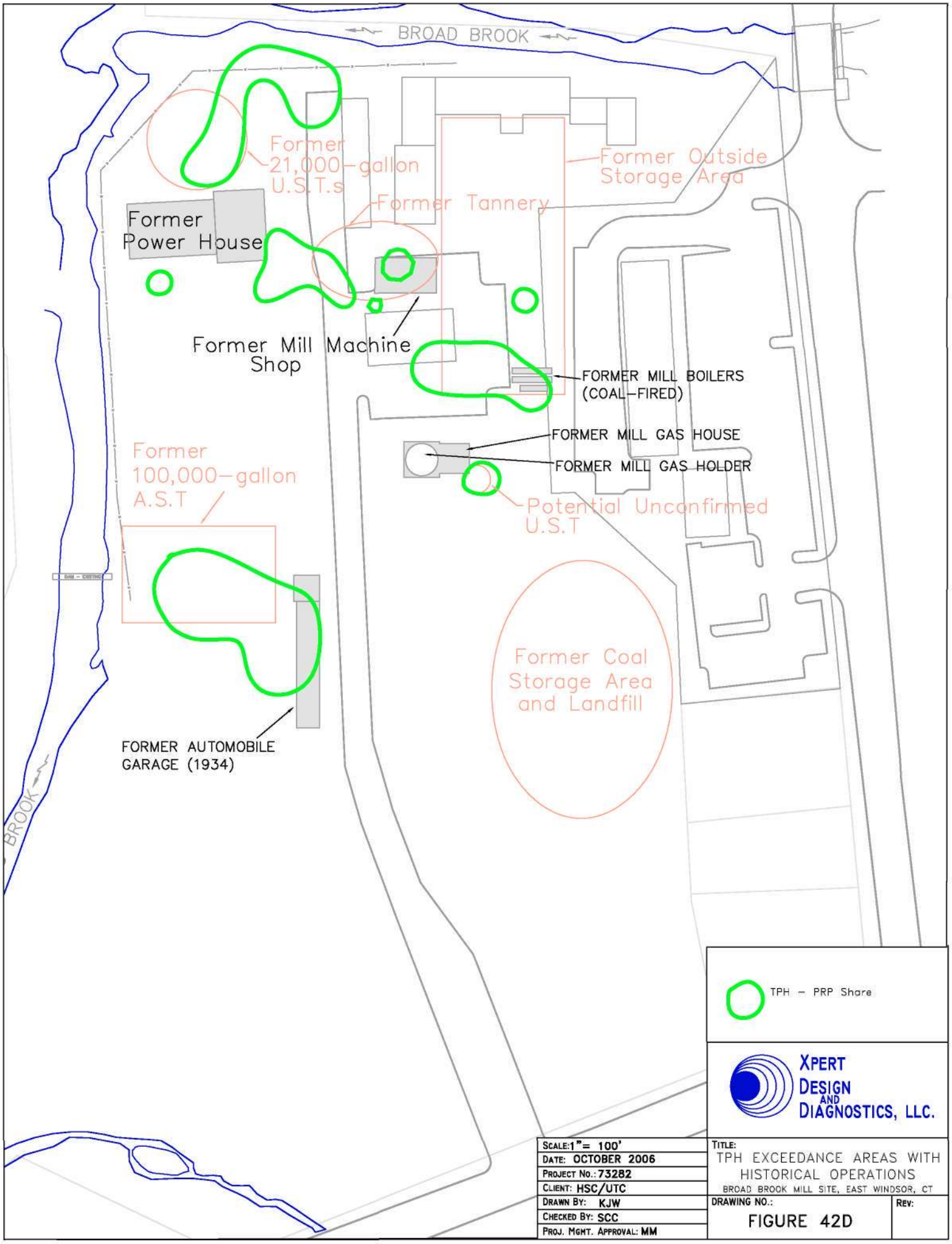
XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1" = 100'	TITLE: BROOK BANK STABILIZATION MAP BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC	
DRAWN BY: DKN	DRAWING NO. FIGURE 41
CHECKED BY: JP	REV. B
PROJ. MGMT. APPROVAL: MM	


BROAD BROOK
Former 21,000-gallon U.S.T.s
Former Outside Storage Area
Former Tannery
Former Power House
Former Mill Machine Shop
FORMER MILL BOILERS (COAL-FIRED)
FORMER MILL GAS HOUSE
FORMER MILL GAS HOLDER
Potential Unconfirmed U.S.T
Former 100,000-gallon AST
Former Coal Storage Area and Landfill
FORMER AUTOMOBILE GARAGE (1934)
Lot 8A Excavated Area - SVOCs
SVOCs - Orphan Share
SVOCs - PRP Share
XPERT DESIGN AND DIAGNOSTICS, LLC.
SCALE: 1" = 100'
DATE: OCTOBER 2006
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: KJW
CHECKED BY: SCC
PROJ. MGMT. APPROVAL: MM
TITLE: SVOC EXCEEDANCE AREAS WITH HISTORICAL OPERATIONS
BROAD BROOK MILL SITE, EAST WINDSOR, CT
DRAWING NO.: FIGURE 42A
REV:


BROAD BROOK
Former Hg Area
Former Outside Storage Area
Former Tannery
Former Power House
FORMER MILL BOILERS (COAL-FIRED)
FORMER MILL GAS HOUSE
FORMER MILL GAS HOLDER
Former Electroplating Area
Former Coal Pile and Landfill
FORMER ELECTROPLATING AND BORON FILAMENT OPERATIONS (1950) (plating solutions)
Lot 8A Excavated Area – Metals
Metals – Orphan Share
Metals – PRP Share
XPERT DESIGN AND DIAGNOSTICS, LLC.
SCALE: 1" = 100'
DATE: OCTOBER 2006
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: KJW
CHECKED BY: SCC
PROJ. MGMT. APPROVAL: MM
TITLE: METAL EXCEEDANCE AREAS WITH HISTORICAL OPERATIONS
BROAD BROOK MILL SITE, EAST WINDSOR, CT
DRAWING NO.: FIGURE 42B
REV:

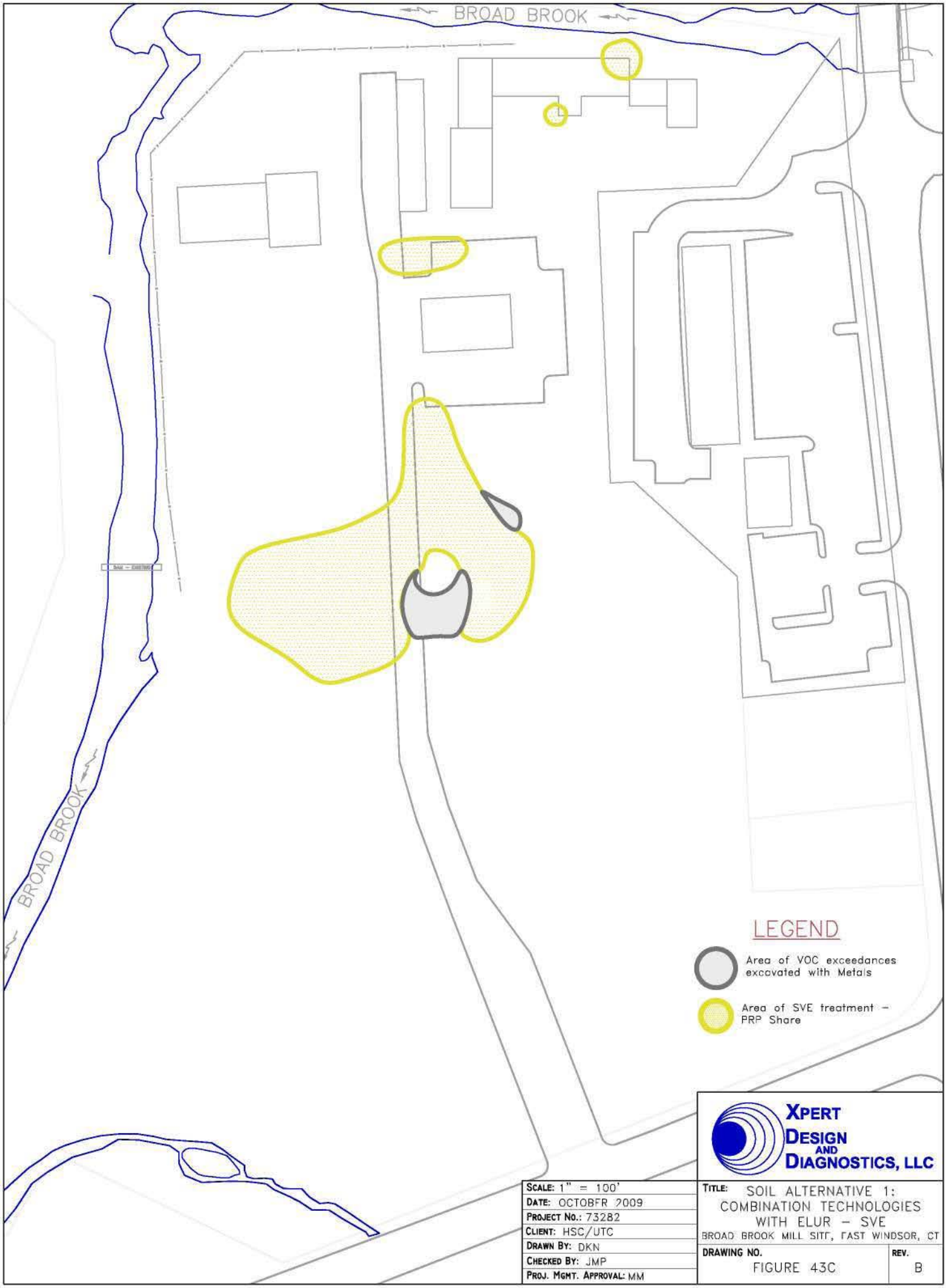

BROAD BROOK
Former Outside Storage Area
Former Tannery
Former Power House
Former Mill Machine Shop
FORMER MILL BOILERS (COAL-FIRED)
FORMER MILL GAS HOUSE
FORMER MILL GAS HOLDER
FORMER HSC WASTEWATER TREATMENT TANK
Potential Unconfirmed U.S.T
Former 100,000-gallon A.S.T
Former Electroplating Area
FORMER AUTOMOBILE GARAGE (1934)
FORMER ELECTROPLATING AND BORON FILAMENT OPERATIONS (1950) (cleaning solvents)
BROOK
VOCs - PRP share
XPERT DESIGN AND DIAGNOSTICS, LLC.
SCALE: 1" = 100'
DATE: OCTOBER 2006
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: KJW
CHECKED BY: SCC
PROJ. MGMT. APPROVAL: MM
TITLE:
VOC EXCEEDANCE AREAS WITH HISTORICAL OPERATIONS
BROAD BROOK MILL SITE, EAST WINDSOR, CT
DRAWING NO.:
FIGURE 42C
REV:


BROAD BROOK
Former 21,000-gallon U.S.T.s
Former Outside Storage Area
Former Tannery
Former Power House
Former Mill Machine Shop
FORMER MILL BOILERS (COAL-FIRED)
FORMER MILL GAS HOUSE
FORMER MILL GAS HOLDER
Former 100,000-gallon A.S.T
Potential Unconfirmed U.S.T
Former Coal Storage Area and Landfill
FORMER AUTOMOBILE GARAGE (1934)
BROOK
TPH - PRP Share
XPERT DESIGN AND DIAGNOSTICS, LLC.
SCALE: 1" = 100'
DATE: OCTOBER 2006
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: KJW
CHECKED BY: SCC
PROJ. MGMT. APPROVAL: MM
TITLE:
TPH EXCEEDANCE AREAS WITH HISTORICAL OPERATIONS
BROAD BROOK MILL SITE, EAST WINDSOR, CT
DRAWING NO.:
FIGURE 42D
REV:

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1" = 100'	TITLE: SOIL ALTERNATIVE 1: COMBINATION TECHNOLOGIES WITH ELUR – EXCAVATION
DATE: OCTOBER 2009	BROAD BROOK MILL SITE, EAST WINDSOR, CT
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 43A
CHECKED BY: JMP	REV. B
PROJ. MGMT. APPROVAL: MM	

BROAD BROOK
Lot 8A Remediation was completed in December 2006. Refer to Appendix F for December 2006 updated delineation of Lot 8A soil impacts.
BROAD BROOK
LEGEND
Area of SVOC/TPH excavated with Metals
Area of Bioventing Treatment – Orphan Share
Area of Bioventing Treatment – PRP Share
XPERT DESIGN AND DIAGNOSTICS, LLC
SCALE: 1" = 100'
DATE: OCTOBER 2009
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: DKN
CHECKED BY: JMP
PROJ. MGMT. APPROVAL: MM
TITLE: SOIL ALTERNATIVE 1: COMBINATION TECHNOLOGIES WITH ELUR – BIOVENTING
BROAD BROOK MILL SITE, EAST WINDSOR, CT
DRAWING NO.
FIGURE 43B
REV.
B



XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1" = 100'	TITLE: SOIL ALTERNATIVE 1: COMBINATION TECHNOLOGIES WITH ELUR – SVE BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: OCTOBER 2009	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 43C
CHECKED BY: JMP	REV. B
PROJ. MGMT. APPROVAL: MM	

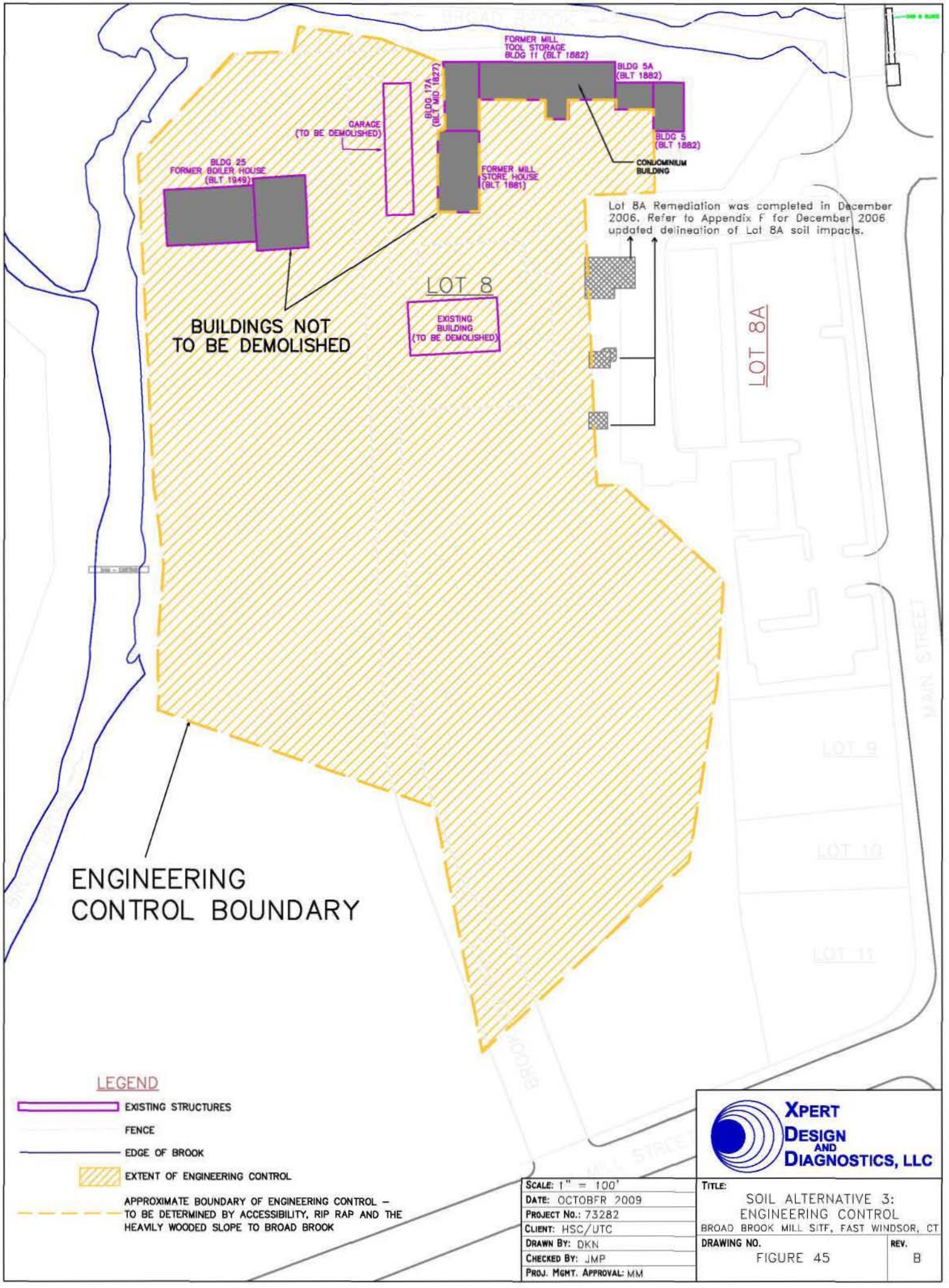
BROAD BROOK
Lot 8A Remediation was completed in December 2006. Refer to Appendix F for December 2006 updated delineation of Lot 8A soil impacts.
BROAD BROOK
LEGEND
Approximate Metals excavation area – Orphan Share
Approximate Metals excavation area – PRP Share
XPERT DESIGN AND DIAGNOSTICS, LLC
SCALE: 1" = 100'
DATE: OCTOBER 2009
PROJECT NO.: 73282
CLIENT: HSC/UTC
DRAWN BY: DKN
CHECKED BY: JMP
PROJ. MGMT. APPROVAL: MM
TITLE: SOIL ALTERNATIVE 2: COMBINATION TECHNOLOGIES WITHOUT ELUR – EXCAVATION
BROAD BROOK MILL SITE, EAST WINDSOR, CT
DRAWING NO.
FIGURE 44A
REV.
B

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1" = 100'	TITLE: SOIL ALTERNATIVE 2: COMBINATION TECHNOLOGIES WITHOUT ELUR – BIOVENTING BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: OCTOBER 2009	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	
CHECKED BY: JMP	
PROJ. MGMT. APPROVAL: MM	DRAWING NO. FIGURE 44B / REV. B

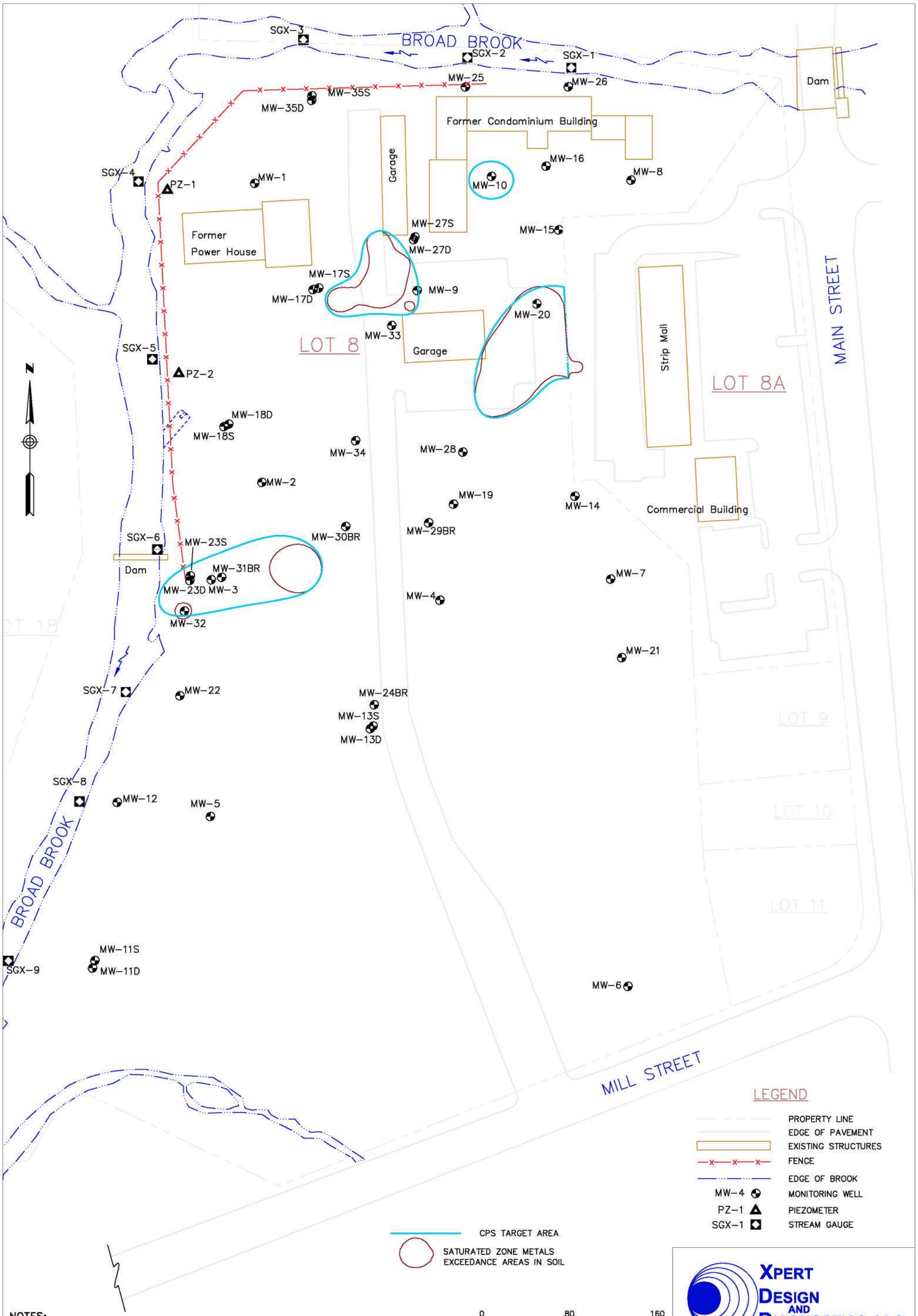
XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1" = 100'	TITLE: SOIL ALTERNATIVE 2: COMBINATION TECHNOLOGIES WITHOUT ELUR – SVE
DATE: OCTOBER 2009	BROAD BROOK MILL SITE, EAST WINDSOR, CT
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 44C
CHECKED BY: JMP	REV. B
PROJ. MGMT. APPROVAL: MM	



XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: 1" = 100'	TITLE: SOIL ALTERNATIVE 3: ENGINEERING CONTROL BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: OCTOBER 2009	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 45
CHECKED BY: JMP	REV. B
PROJ. MGMT. APPROVAL: MM	

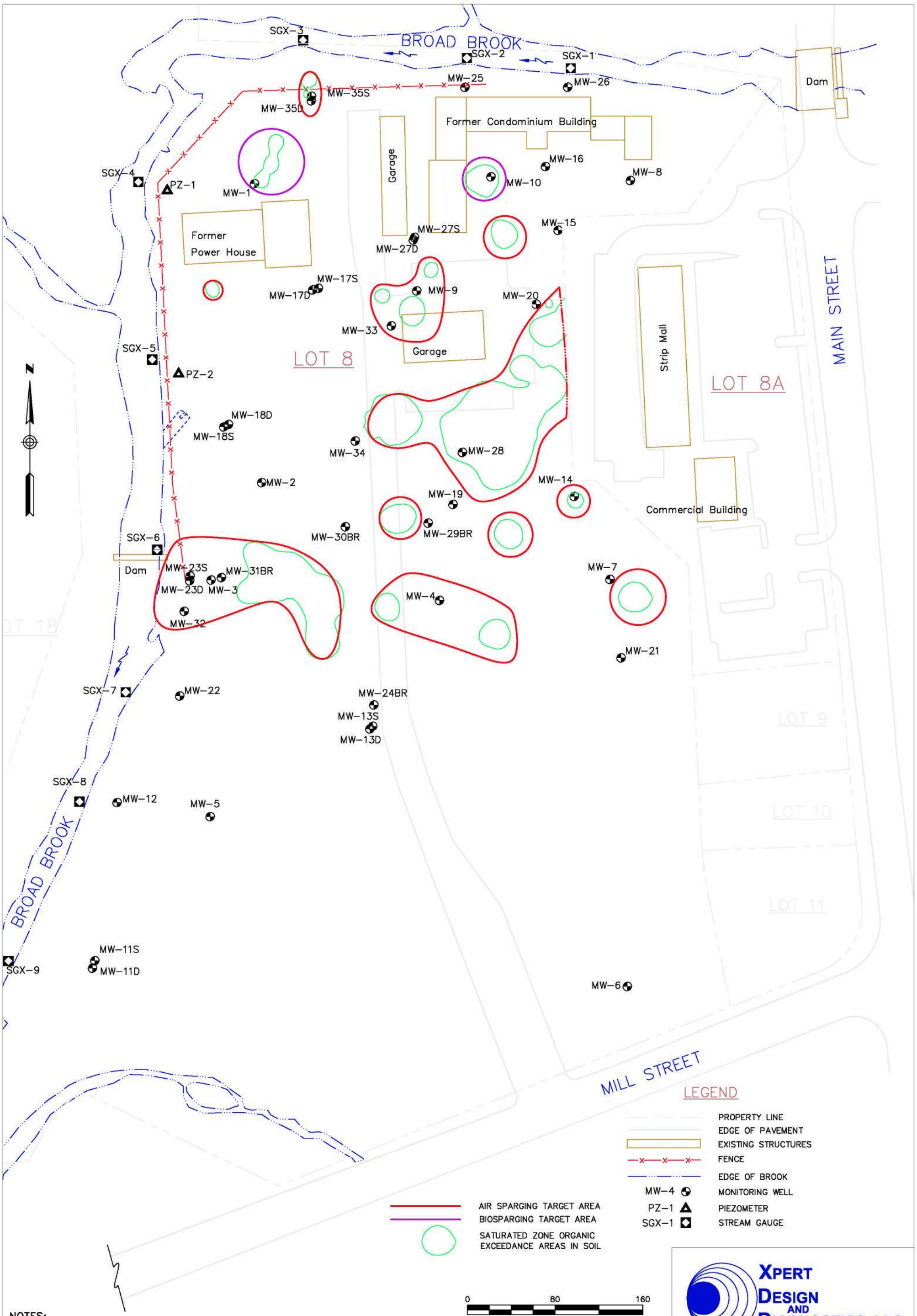


NOTES:

Existing structures, property lines and reference elevations were obtained from the map entitled Grading Plan – Millbrook – Section 666 – Phases 5,6 – Property of CJP Incorporated" by Dubiel Associates, Scale 1" = 40', Revision July 1990. The revised property boundary location is obtained from Dubiel Associates drawing dated May 26, 2004.
Locations of all monitoring wells and stream gauges/piezometers are as surveyed by LEA during period from October 1996 through April 1998 and modified as per survey results of Pudeler Engineering, November 2003.

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN	TITLE: GROUNDWATER ALTERNATIVE 1: CPS BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: OCTOBER 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 46A — REV. C
CHECKED BY: JP	
PROJ. MGMT. APPROVAL: . MM	

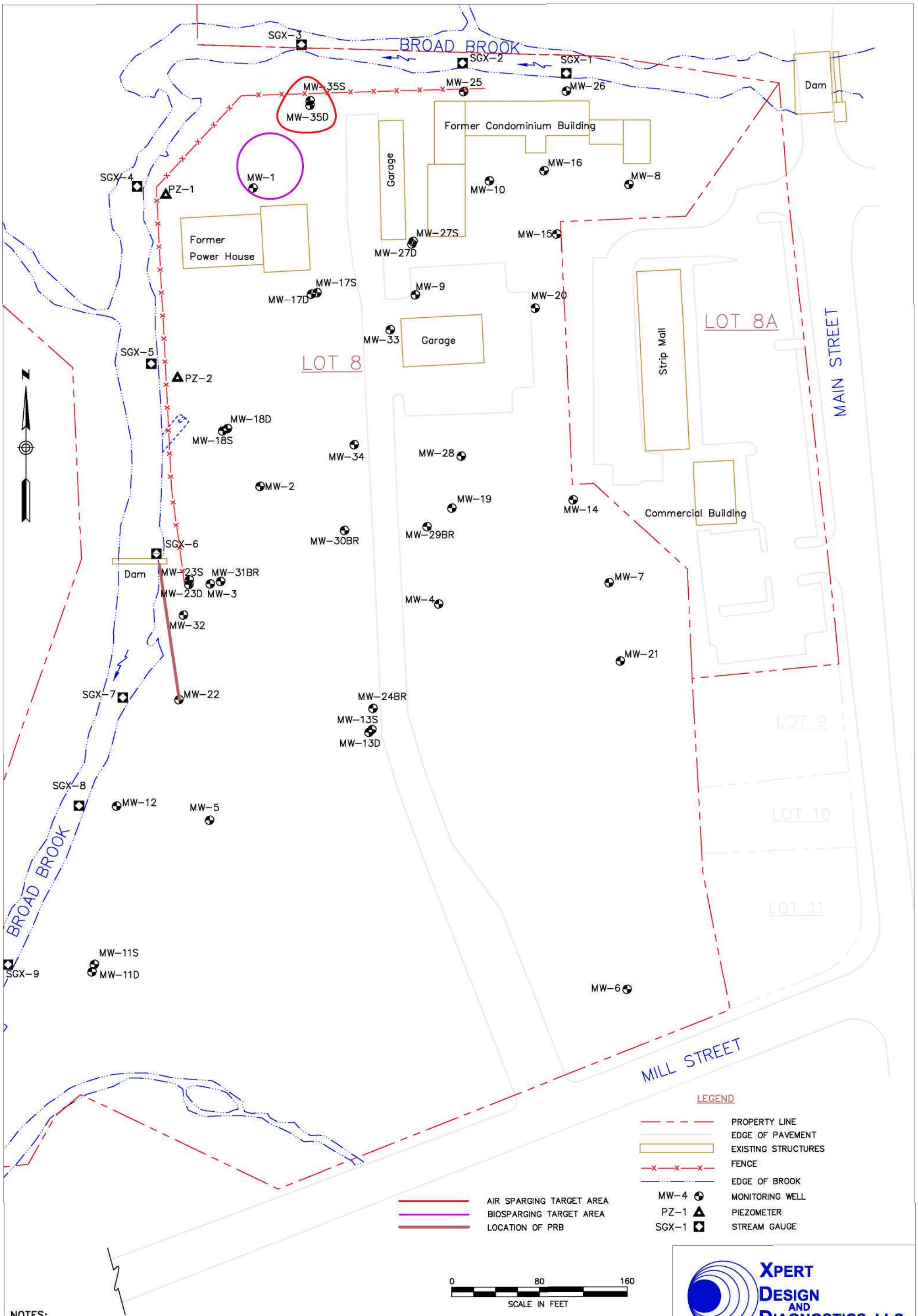


NOTES:

Existing structures, property lines and reference elevations were obtained from the map entitled Grading Plan – Millbrook – Section 666 – Phases 5,6 – Property of CJP Incorporated" by Dubiel Associates, Scale 1" = 40', Revision July 1990. The revised property boundary location is obtained from Dubiel Associates drawing dated May 26, 2004.
Locations of all monitoring wells and stream gauges/piezometers are as surveyed by LEA during period from October 1996 through April 1998 and modified as per survey results of Pudeler Engineering, November 2003.

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN	TITLE: GROUNDWATER ALTERNATIVE 1: AS/BIOSPARGING BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: OCTOBER 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 46B
CHECKED BY: JP	REV. C
PROJ. MGMT. APPROVAL: . MM	

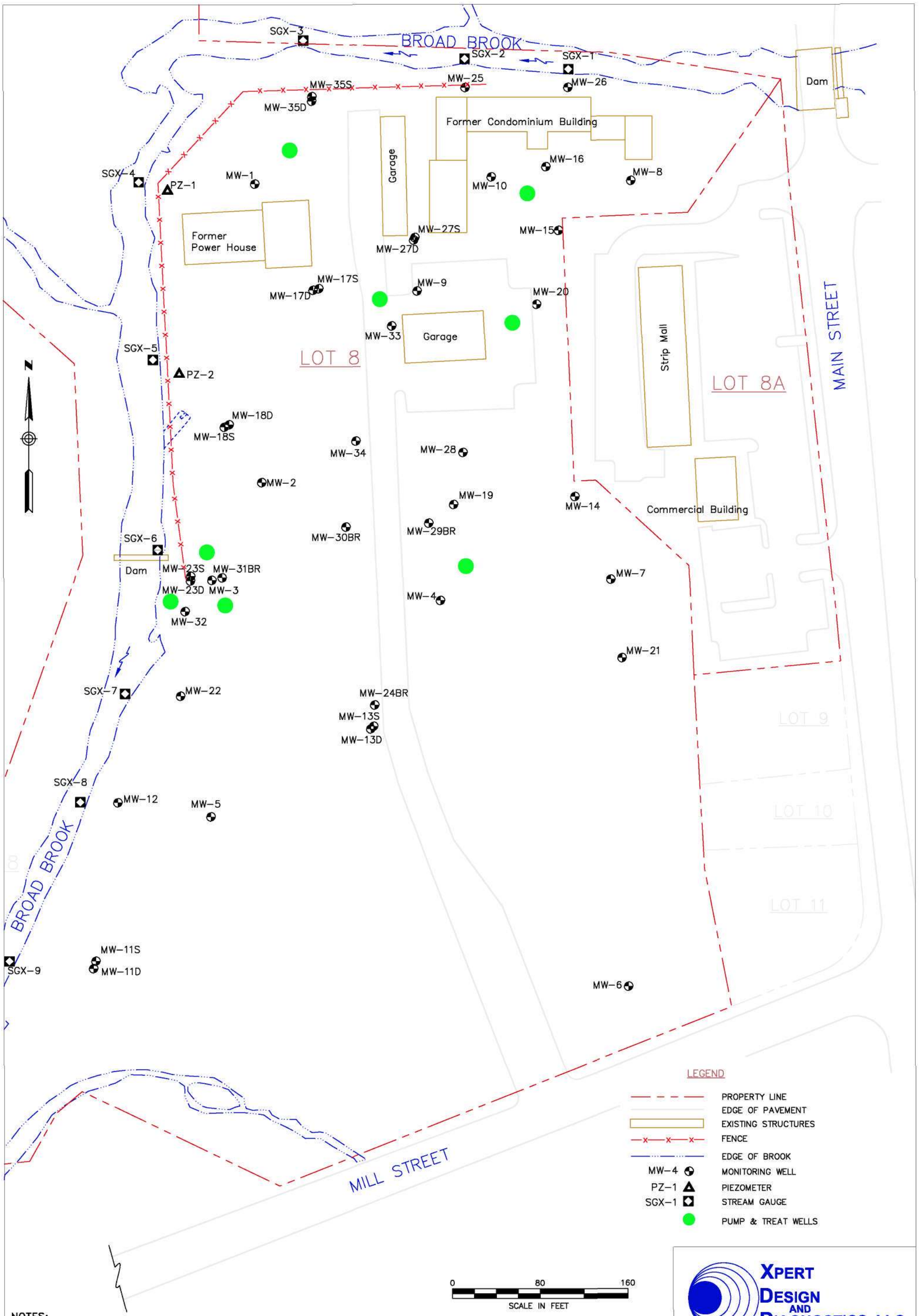


NOTES:

Existing structures, property lines and reference elevations were obtained from the map entitled Grading Plan – Millbrook – Section 666 – Phases 5,6 – Property of CJP Incorporated" by Dubiel Associates, Scale 1" = 40', Revision July 1990. The revised property boundary location is obtained from Dubiel Associates drawing dated May 26, 2004.
Locations of all monitoring wells and stream gauges/piezometers as surveyed by LEA during period from October 1996 through April 1998 and modified as per survey results of Pudeler Engineering, November 2003.

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN	TITLE: GROUNDWATER ALTERNATIVE 2: PRB/AS/BIOSPARGING BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 47 — REV. C
CHECKED BY: JP	
PROJ. MGMT. APPROVAL: . MM	



NOTES:

Existing structures, property lines and reference elevations were obtained from the map entitled Grading Plan – Millbrook – Section 666 – Phases 5,6 – Property of CJP Incorporated" by Dubiel Associates, Scale 1" = 40', Revision July 1990. the revised property boundary location is obtained from Dubiel Associates drawing dated May 26, 2004.
Locations of all monitoring wells and stream gauges/piezometers as surveyed by LEA during period from October 1996 through April 1998 and modified as per survey results of Pudeler Engineering, November 2003.

XPERT DESIGN AND DIAGNOSTICS, LLC

SCALE: AS SHOWN	TITLE: GROUNDWATER ALTERNATIVE 3: PUMP AND TREAT BROAD BROOK MILL SITE, EAST WINDSOR, CT
DATE: MAY 2006	
PROJECT NO.: 73282	
CLIENT: HSC/UTC	
DRAWN BY: DKN	DRAWING NO. FIGURE 48
CHECKED BY: JP	REV. B
PROJ. MGMT. APPROVAL: . MM	

APPENDIX A
ANALYTICAL REPORTS
Broad Brook Mill Site
East Windsor, CT

DRINKING WATER DATA

June 2008 – Analyzed by Accutest Laboratories

June 2007 – Analyzed by Accutest Laboratories

December 2006 – Analyzed by Accutest Laboratories

February 2005 – Analyzed by Spectrum Analytical

GROUNDWATER DATA

November 2008 – Analyzed by Accutest Laboratories

January 2006 – Analyzed by Accutest Laboratories

August 2005 – Analyzed by Accutest Laboratories

May 2005 – Analyzed by Accutest Laboratories

February 2005 – Analyzed by Accutest Laboratories

November 2004 – Analyzed by Accutest Laboratories

August 2004 – Analyzed by Severn Trent Laboratories and Premier Laboratories

May 2004 – Analyzed by Premier Laboratories

February 2004 – Analyzed by Premier Laboratories

November 2003 – Analyzed by Premier Laboratories

SOIL DATA

December 2006 – Analyzed by Phoenix Environmental Laboratories

May 2005 – Analyzed by Accutest Laboratories

February 2005 – Analyzed by Accutest Laboratories

December 2004 – Analyzed by Accutest Laboratories

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	34 MILL STREET		
Lab Sample ID:	M74504-1	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R5376.D	1	06/27/08	AA	n/a	n/a	MSR208
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.50	ug/l	
78-93-3	2-Butanone	ND	0.50	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	0.50	ug/l	
74-97-5	Bromochloromethane	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	ug/l	
75-25-2	Bromoform	ND	0.50	ug/l	
74-83-9	Bromomethane	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	ug/l	
75-15-0	Carbon disulfide	ND	0.50	ug/l	
108-90-7	Chlorobenzene	ND	0.50	ug/l	
75-00-3	Chloroethane	ND	0.50	ug/l	
67-66-3	Chloroform	ND	0.50	ug/l	
74-87-3	Chloromethane	ND	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	ug/l	
74-95-3	Dibromomethane	ND	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	34 MILL STREET		
Lab Sample ID:	M74504-1	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

VOA List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
123-91-1	1,4-Dioxane	ND	25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	ug/l	
75-09-2	Methylene chloride	ND	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ug/l	
91-20-3	Naphthalene	ND	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	ug/l	
100-42-5	Styrene	ND	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	ug/l	
108-88-3	Toluene	ND	0.50	ug/l	
79-01-6	Trichloroethylene	ND	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	ug/l	
75-01-4	Vinyl chloride	ND	0.50	ug/l	
	m,p-Xylene	ND	0.50	ug/l	
95-47-6	o-Xylene	ND	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	100%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	34 MILL STREET		
Lab Sample ID:	M74504-1	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S537.D	1	07/03/08	DRY	06/23/08	OP16054	MSS23
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	ug/l	
88-75-5	2-Nitrophenol	ND	11	ug/l	
100-02-7	4-Nitrophenol	ND	21	ug/l	
87-86-5	Pentachlorophenol	ND	11	ug/l	
108-95-2	Phenol	ND	5.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	ug/l	
83-32-9	Acenaphthene	ND	5.3	ug/l	
208-96-8	Acenaphthylene	ND	5.3	ug/l	
120-12-7	Anthracene	ND	5.3	ug/l	
92-87-5	Benzidine	ND	21	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.3	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.3	ug/l	
85-68-7	Butyl benzyl phthalate	ND	11	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	ug/l	
106-47-8	4-Chloroaniline	ND	11	ug/l	
218-01-9	Chrysene	ND	5.3	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.3	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.3	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.3	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.3	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.3	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.3	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	34 MILL STREET		
Lab Sample ID:	M74504-1	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.3	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	ug/l	
84-74-2	Di-n-butyl phthalate	ND	11	ug/l	
117-84-0	Di-n-octyl phthalate	ND	11	ug/l	
84-66-2	Diethyl phthalate	ND	11	ug/l	
131-11-3	Dimethyl phthalate	ND	11	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	11	ug/l	
206-44-0	Fluoranthene	ND	5.3	ug/l	
86-73-7	Fluorene	ND	5.3	ug/l	
118-74-1	Hexachlorobenzene	ND	5.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.3	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	ug/l	
67-72-1	Hexachloroethane	ND	5.3	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	ug/l	
78-59-1	Isophorone	ND	5.3	ug/l	
91-20-3	Naphthalene	ND	5.3	ug/l	
98-95-3	Nitrobenzene	ND	5.3	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.3	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.3	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	ug/l	
85-01-8	Phenanthrene	ND	5.3	ug/l	
129-00-0	Pyrene	ND	5.3	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	51%		14-120%
4165-62-2	Phenol-d5	33%		10-120%
118-79-6	2,4,6-Tribromophenol	113%		12-137%
4165-60-0	Nitrobenzene-d5	99%		15-127%
321-60-8	2-Fluorobiphenyl	103%		10-129%
1718-51-0	Terphenyl-d14	95%		10-132%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	34 MILL STREET		
Lab Sample ID:	M74504-1	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
		Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 4.0	4.0	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Barium	432	200	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Boron	< 100	100	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Chromium	< 10	10	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Copper	< 25	25	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Lead	< 5.0	5.0	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Mercury	< 0.20	0.20	ug/l	1	06/25/08	06/26/08	MA	EPA 245.1 [1]	EPA 245.1 [4]
Nickel	< 40	40	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Zinc	23.3	20	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]

(1) Instrument QC Batch: MA9407
(2) Instrument QC Batch: MA9411
(3) Prep QC Batch: MP12070
(4) Prep QC Batch: MP12081

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	34 MILL STREET		
Lab Sample ID:	M74504-1A	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F36709.D	1	07/04/08	DRY	06/23/08	OP16055	MSF1770
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.053	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.053	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-20-3	Naphthalene	ND	0.11	ug/l	
85-01-8	Phenanthrene	ND	0.053	ug/l	
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	129% [a]		15-127%
321-60-8	2-Fluorobiphenyl	105%		10-129%
1718-51-0	Terphenyl-d14	104%		10-132%

(a) Outside control limits. Associated target analytes are non-detect.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	35B MILL STREET		
Lab Sample ID:	M74504-2	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R5377.D	1	06/27/08	AA	n/a	n/a	MSR208
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.50	ug/l	
78-93-3	2-Butanone	ND	0.50	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	0.50	ug/l	
74-97-5	Bromochloromethane	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	ug/l	
75-25-2	Bromoform	ND	0.50	ug/l	
74-83-9	Bromomethane	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	ug/l	
75-15-0	Carbon disulfide	ND	0.50	ug/l	
108-90-7	Chlorobenzene	ND	0.50	ug/l	
75-00-3	Chloroethane	ND	0.50	ug/l	
67-66-3	Chloroform	ND	0.50	ug/l	
74-87-3	Chloromethane	ND	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	ug/l	
74-95-3	Dibromomethane	ND	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	35B MILL STREET		
Lab Sample ID:	M74504-2	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

VOA List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
123-91-1	1,4-Dioxane	ND	25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	ug/l	
75-09-2	Methylene chloride	ND	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ug/l	
91-20-3	Naphthalene	ND	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	ug/l	
100-42-5	Styrene	ND	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	ug/l	
108-88-3	Toluene	ND	0.50	ug/l	
79-01-6	Trichloroethylene	ND	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	ug/l	
75-01-4	Vinyl chloride	ND	0.50	ug/l	
	m,p-Xylene	ND	0.50	ug/l	
95-47-6	o-Xylene	ND	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	96%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	35B MILL STREET		
Lab Sample ID:	M74504-2	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S538.D	1	07/03/08	DRY	06/23/08	OP16054	MSS23
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	ug/l	
88-75-5	2-Nitrophenol	ND	11	ug/l	
100-02-7	4-Nitrophenol	ND	21	ug/l	
87-86-5	Pentachlorophenol	ND	11	ug/l	
108-95-2	Phenol	ND	5.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	ug/l	
83-32-9	Acenaphthene	ND	5.3	ug/l	
208-96-8	Acenaphthylene	ND	5.3	ug/l	
120-12-7	Anthracene	ND	5.3	ug/l	
92-87-5	Benzidine	ND	21	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.3	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.3	ug/l	
85-68-7	Butyl benzyl phthalate	ND	11	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	ug/l	
106-47-8	4-Chloroaniline	ND	11	ug/l	
218-01-9	Chrysene	ND	5.3	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.3	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.3	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.3	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.3	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.3	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.3	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	35B MILL STREET		
Lab Sample ID:	M74504-2	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.3	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	ug/l	
84-74-2	Di-n-butyl phthalate	ND	11	ug/l	
117-84-0	Di-n-octyl phthalate	ND	11	ug/l	
84-66-2	Diethyl phthalate	ND	11	ug/l	
131-11-3	Dimethyl phthalate	ND	11	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	11	ug/l	
206-44-0	Fluoranthene	ND	5.3	ug/l	
86-73-7	Fluorene	ND	5.3	ug/l	
118-74-1	Hexachlorobenzene	ND	5.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.3	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	ug/l	
67-72-1	Hexachloroethane	ND	5.3	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	ug/l	
78-59-1	Isophorone	ND	5.3	ug/l	
91-20-3	Naphthalene	ND	5.3	ug/l	
98-95-3	Nitrobenzene	ND	5.3	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.3	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.3	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	ug/l	
85-01-8	Phenanthrene	ND	5.3	ug/l	
129-00-0	Pyrene	ND	5.3	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		14-120%
4165-62-2	Phenol-d5	34%		10-120%
118-79-6	2,4,6-Tribromophenol	115%		12-137%
4165-60-0	Nitrobenzene-d5	102%		15-127%
321-60-8	2-Fluorobiphenyl	106%		10-129%
1718-51-0	Terphenyl-d14	103%		10-132%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	35B MILL STREET		
Lab Sample ID:	M74504-2	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
		Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 4.0	4.0	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Barium	225	200	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Boron	< 100	100	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Chromium	< 10	10	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Copper	25.9	25	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Lead	< 5.0	5.0	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Mercury	< 0.20	0.20	ug/l	1	06/25/08	06/26/08	MA	EPA 245.1 [1]	EPA 245.1 [4]
Nickel	< 40	40	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Zinc	24.2	20	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]

(1) Instrument QC Batch: MA9407
(2) Instrument QC Batch: MA9411
(3) Prep QC Batch: MP12070
(4) Prep QC Batch: MP12081

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	35B MILL STREET		
Lab Sample ID:	M74504-2A	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F36710.D	1	07/04/08	DRY	06/23/08	OP16055	MSF1770
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.053	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.053	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-20-3	Naphthalene	ND	0.11	ug/l	
85-01-8	Phenanthrene	ND	0.053	ug/l	
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	111%		15-127%
321-60-8	2-Fluorobiphenyl	91%		10-129%
1718-51-0	Terphenyl-d14	92%		10-132%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	38 MILL STREET		
Lab Sample ID:	M74504-3	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R5378.D	1	06/27/08	AA	n/a	n/a	MSR208
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.50	ug/l	
78-93-3	2-Butanone	ND	0.50	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	0.50	ug/l	
74-97-5	Bromochloromethane	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	ug/l	
75-25-2	Bromoform	ND	0.50	ug/l	
74-83-9	Bromomethane	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	ug/l	
75-15-0	Carbon disulfide	ND	0.50	ug/l	
108-90-7	Chlorobenzene	ND	0.50	ug/l	
75-00-3	Chloroethane	ND	0.50	ug/l	
67-66-3	Chloroform	ND	0.50	ug/l	
74-87-3	Chloromethane	ND	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	ug/l	
74-95-3	Dibromomethane	ND	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	38 MILL STREET		
Lab Sample ID:	M74504-3	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

VOA List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
123-91-1	1,4-Dioxane	ND	25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	ug/l	
75-09-2	Methylene chloride	ND	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ug/l	
91-20-3	Naphthalene	ND	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	ug/l	
100-42-5	Styrene	ND	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	ug/l	
108-88-3	Toluene	ND	0.50	ug/l	
79-01-6	Trichloroethylene	ND	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	ug/l	
75-01-4	Vinyl chloride	ND	0.50	ug/l	
	m,p-Xylene	ND	0.50	ug/l	
95-47-6	o-Xylene	ND	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	108%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	38 MILL STREET		
Lab Sample ID:	M74504-3	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S539.D	1	07/03/08	DRY	06/23/08	OP16054	MSS23
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	ug/l	
88-75-5	2-Nitrophenol	ND	11	ug/l	
100-02-7	4-Nitrophenol	ND	21	ug/l	
87-86-5	Pentachlorophenol	ND	11	ug/l	
108-95-2	Phenol	ND	5.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	ug/l	
83-32-9	Acenaphthene	ND	5.3	ug/l	
208-96-8	Acenaphthylene	ND	5.3	ug/l	
120-12-7	Anthracene	ND	5.3	ug/l	
92-87-5	Benzidine	ND	21	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.3	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.3	ug/l	
85-68-7	Butyl benzyl phthalate	ND	11	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	ug/l	
106-47-8	4-Chloroaniline	ND	11	ug/l	
218-01-9	Chrysene	ND	5.3	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.3	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.3	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.3	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.3	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.3	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.3	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	38 MILL STREET		
Lab Sample ID:	M74504-3	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.3	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	ug/l	
84-74-2	Di-n-butyl phthalate	ND	11	ug/l	
117-84-0	Di-n-octyl phthalate	ND	11	ug/l	
84-66-2	Diethyl phthalate	ND	11	ug/l	
131-11-3	Dimethyl phthalate	ND	11	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	11	ug/l	
206-44-0	Fluoranthene	ND	5.3	ug/l	
86-73-7	Fluorene	ND	5.3	ug/l	
118-74-1	Hexachlorobenzene	ND	5.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.3	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	ug/l	
67-72-1	Hexachloroethane	ND	5.3	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	ug/l	
78-59-1	Isophorone	ND	5.3	ug/l	
91-20-3	Naphthalene	ND	5.3	ug/l	
98-95-3	Nitrobenzene	ND	5.3	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.3	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.3	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	ug/l	
85-01-8	Phenanthrene	ND	5.3	ug/l	
129-00-0	Pyrene	ND	5.3	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	20%		14-120%
4165-62-2	Phenol-d5	13%		10-120%
118-79-6	2,4,6-Tribromophenol	48%		12-137%
4165-60-0	Nitrobenzene-d5	106%		15-127%
321-60-8	2-Fluorobiphenyl	110%		10-129%
1718-51-0	Terphenyl-d14	102%		10-132%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	38 MILL STREET		
Lab Sample ID:	M74504-3	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
		Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 4.0	4.0	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Barium	423	200	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Boron	< 100	100	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Chromium	< 10	10	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Copper	< 25	25	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Lead	< 5.0	5.0	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Mercury	< 0.20	0.20	ug/l	1	06/25/08	06/26/08	MA	EPA 245.1 [1]	EPA 245.1 [4]
Nickel	< 40	40	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Zinc	24.5	20	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]

(1) Instrument QC Batch: MA9407
(2) Instrument QC Batch: MA9411
(3) Prep QC Batch: MP12070
(4) Prep QC Batch: MP12081

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	38 MILL STREET		
Lab Sample ID:	M74504-3A	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F36711.D	1	07/04/08	DRY	06/23/08	OP16055	MSF1770
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.053	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.053	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-20-3	Naphthalene	ND	0.11	ug/l	
85-01-8	Phenanthrene	0.070	0.053	ug/l	
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	121%		15-127%
321-60-8	2-Fluorobiphenyl	100%		10-129%
1718-51-0	Terphenyl-d14	100%		10-132%

ND = Not detected
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	40 MILL STREET		
Lab Sample ID:	M74504-4	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R5379.D	1	06/27/08	AA	n/a	n/a	MSR208
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.50	ug/l	
78-93-3	2-Butanone	ND	0.50	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	0.50	ug/l	
74-97-5	Bromochloromethane	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	ug/l	
75-25-2	Bromoform	ND	0.50	ug/l	
74-83-9	Bromomethane	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	ug/l	
75-15-0	Carbon disulfide	ND	0.50	ug/l	
108-90-7	Chlorobenzene	ND	0.50	ug/l	
75-00-3	Chloroethane	ND	0.50	ug/l	
67-66-3	Chloroform	ND	0.50	ug/l	
74-87-3	Chloromethane	ND	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	ug/l	
74-95-3	Dibromomethane	ND	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL STREET		
Lab Sample ID:	M74504-4	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

VOA List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
123-91-1	1,4-Dioxane	ND	25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	ug/l	
75-09-2	Methylene chloride	ND	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ug/l	
91-20-3	Naphthalene	ND	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	ug/l	
100-42-5	Styrene	ND	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	ug/l	
108-88-3	Toluene	ND	0.50	ug/l	
79-01-6	Trichloroethylene	ND	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	ug/l	
75-01-4	Vinyl chloride	ND	0.50	ug/l	
	m,p-Xylene	ND	0.50	ug/l	
95-47-6	o-Xylene	ND	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	109%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	40 MILL STREET		
Lab Sample ID:	M74504-4	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S540.D	1	07/03/08	DRY	06/23/08	OP16054	MSS23
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	ug/l	
88-75-5	2-Nitrophenol	ND	11	ug/l	
100-02-7	4-Nitrophenol	ND	21	ug/l	
87-86-5	Pentachlorophenol	ND	11	ug/l	
108-95-2	Phenol	ND	5.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	ug/l	
83-32-9	Acenaphthene	ND	5.3	ug/l	
208-96-8	Acenaphthylene	ND	5.3	ug/l	
120-12-7	Anthracene	ND	5.3	ug/l	
92-87-5	Benzidine	ND	21	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.3	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.3	ug/l	
85-68-7	Butyl benzyl phthalate	ND	11	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	ug/l	
106-47-8	4-Chloroaniline	ND	11	ug/l	
218-01-9	Chrysene	ND	5.3	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.3	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.3	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.3	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.3	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.3	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.3	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL STREET		
Lab Sample ID:	M74504-4	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.3	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	ug/l	
84-74-2	Di-n-butyl phthalate	ND	11	ug/l	
117-84-0	Di-n-octyl phthalate	ND	11	ug/l	
84-66-2	Diethyl phthalate	ND	11	ug/l	
131-11-3	Dimethyl phthalate	ND	11	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	11	ug/l	
206-44-0	Fluoranthene	ND	5.3	ug/l	
86-73-7	Fluorene	ND	5.3	ug/l	
118-74-1	Hexachlorobenzene	ND	5.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.3	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	ug/l	
67-72-1	Hexachloroethane	ND	5.3	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	ug/l	
78-59-1	Isophorone	ND	5.3	ug/l	
91-20-3	Naphthalene	ND	5.3	ug/l	
98-95-3	Nitrobenzene	ND	5.3	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.3	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.3	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	ug/l	
85-01-8	Phenanthrene	ND	5.3	ug/l	
129-00-0	Pyrene	ND	5.3	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-120%
4165-62-2	Phenol-d5	17%		10-120%
118-79-6	2,4,6-Tribromophenol	71%		12-137%
4165-60-0	Nitrobenzene-d5	103%		15-127%
321-60-8	2-Fluorobiphenyl	104%		10-129%
1718-51-0	Terphenyl-d14	90%		10-132%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL STREET		
Lab Sample ID:	M74504-4	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
		Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 4.0	4.0	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Barium	313	200	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Boron	< 100	100	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Chromium	< 10	10	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Copper	< 25	25	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Lead	< 5.0	5.0	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Mercury	< 0.20	0.20	ug/l	1	06/25/08	06/26/08	MA	EPA 245.1 [1]	EPA 245.1 [4]
Nickel	< 40	40	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]
Zinc	< 20	20	ug/l	1	06/23/08	06/26/08	EAL	EPA 200.7 [2]	EPA 200.7 [3]

(1) Instrument QC Batch: MA9407
(2) Instrument QC Batch: MA9411
(3) Prep QC Batch: MP12070
(4) Prep QC Batch: MP12081

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	40 MILL STREET		
Lab Sample ID:	M74504-4A	Date Sampled:	06/18/08
Matrix:	AQ - Ground Water	Date Received:	06/18/08
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F36712.D	1	07/04/08	DRY	06/23/08	OP16055	MSF1770
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.053	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.053	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-20-3	Naphthalene	ND	0.11	ug/l	
85-01-8	Phenanthrene	ND	0.053	ug/l	
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	117%		15-127%
321-60-8	2-Fluorobiphenyl	94%		10-129%
1718-51-0	Terphenyl-d14	85%		10-132%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	40 MILL STREET (TRIP BLANK)		
Lab Sample ID:	M74504-5	Date Sampled:	06/18/08
Matrix:	AQ - Trip Blank Water	Date Received:	06/18/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R5380.D	1	06/27/08	AA	n/a	n/a	MSR208
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.50	ug/l	
78-93-3	2-Butanone	ND	0.50	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	0.50	ug/l	
74-97-5	Bromochloromethane	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	ug/l	
75-25-2	Bromoform	ND	0.50	ug/l	
74-83-9	Bromomethane	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	ug/l	
75-15-0	Carbon disulfide	ND	0.50	ug/l	
108-90-7	Chlorobenzene	ND	0.50	ug/l	
75-00-3	Chloroethane	ND	0.50	ug/l	
67-66-3	Chloroform	ND	0.50	ug/l	
74-87-3	Chloromethane	ND	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	ug/l	
74-95-3	Dibromomethane	ND	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL STREET (TRIP BLANK)		
Lab Sample ID:	M74504-5	Date Sampled:	06/18/08
Matrix:	AQ - Trip Blank Water	Date Received:	06/18/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	UTC Broadbrook 1-21 Brookside Drive Broadbrook CT		

VOA List

CAS No.	Compound	Result	RL	Units	Q
541-73-1	m-Dichlorobenzene	ND	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
123-91-1	1,4-Dioxane	ND	25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	ug/l	
75-09-2	Methylene chloride	ND	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ug/l	
91-20-3	Naphthalene	ND	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	ug/l	
100-42-5	Styrene	ND	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	ug/l	
108-88-3	Toluene	ND	0.50	ug/l	
79-01-6	Trichloroethylene	ND	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	ug/l	
75-01-4	Vinyl chloride	ND	0.50	ug/l	
	m,p-Xylene	ND	0.50	ug/l	
95-47-6	o-Xylene	ND	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	98%		70-130%
460-00-4	4-Bromofluorobenzene	89%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

Sample Summary

SAS Environmental

Job No: J64347

Millbrook, Brookside Drive, Broadbrook, CT
Project No: 031096

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
J64347-1	06/20/07	16:03 MG	06/21/07	DW	Drinking Water	34 MILL ST.
J64347-2	06/20/07	15:37 MG	06/21/07	DW	Drinking Water	35B MILL ST.
J64347-3	06/20/07	15:17 MG	06/21/07	DW	Drinking Water	38 MILL ST.
J64347-4	06/20/07	15:24 MG	06/21/07	DW	Drinking Water	40 MILL ST.
J64347-5	06/20/07	16:03 MG	06/21/07	DW	Drinking Water TB	TB

Report of Analysis

Client Sample ID:	34 MILL ST.		
Lab Sample ID:	J64347-1	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B34335.D	1	06/30/07	MFH	n/a	n/a	V2B1454
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
107-13-1	Acrylonitrile	ND		2.5	0.43	ug/l	
107-05-1	Allyl chloride	ND		0.50	0.30	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l	
75-25-2	Bromoform	ND		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
107-14-2	Chloroacetonitrile	ND		10	3.4	ug/l	
109-69-3	1-Chlorobutane	ND		0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	ND		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	34 MILL ST.		
Lab Sample ID:	J64347-1	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.081	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
513-88-2	1,1-Dichloropropanone	ND		1.0	0.51	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		2.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
60-29-7	Ethyl Ether	ND		0.50	0.24	ug/l	
97-63-2	Ethyl methacrylate	ND		1.0	0.35	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
67-72-1	Hexachloroethane	ND		0.50	0.10	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
74-88-4	Iodomethane	ND		0.50	0.23	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.065	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
126-98-7	Methacrylonitrile	ND		0.50	0.42	ug/l	
80-62-6	Methyl methacrylate	ND		2.0	0.25	ug/l	
96-33-3	Methyl Acrylate	ND		1.0	0.30	ug/l	
98-95-3	Nitrobenzene	ND		50	5.3	ug/l	
79-46-9	2-Nitropropane	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
76-01-7	Pentachloroethane	ND		0.50	0.19	ug/l	
107-12-0	Propionitrile	ND		5.0	3.4	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
109-99-9	Tetrahydrofuran	ND		1.0	0.52	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	34 MILL ST.		
Lab Sample ID:	J64347-1	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	82%		74-123%
460-00-4	4-Bromofluorobenzene	91%		71-123%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	34 MILL ST.		
Lab Sample ID:	J64347-1	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S102235.D	1	07/02/07	NDJ	n/a	n/a	VS3992
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	0.89	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	86%		61-143%
460-00-4	4-Bromofluorobenzene	76%		55-136%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	34 MILL ST.		
Lab Sample ID:	J64347-1	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R60469.D	1	06/29/07	OYA	06/23/07	OP28146	ER2178
Run #2 [a]	M50659.D	1	07/04/07	NAP	06/30/07	OP28146	EM1720

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND		5.0	0.95	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND		5.0	1.2	ug/l	
120-83-2	2,4-Dichlorophenol	ND		5.0	1.6	ug/l	
105-67-9	2,4-Dimethylphenol	ND		5.0	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND		20	0.89	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND		10	0.72	ug/l	
88-75-5	2-Nitrophenol	ND		2.0	1.8	ug/l	
100-02-7	4-Nitrophenol	ND		20	0.84	ug/l	
87-86-5	Pentachlorophenol	ND	1.0	10	1.9	ug/l	
108-95-2	Phenol	ND		2.0	0.50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND		2.0	1.3	ug/l	
83-32-9	Acenaphthene	ND		2.0	0.35	ug/l	
208-96-8	Acenaphthylene	ND		2.0	0.38	ug/l	
120-12-7	Anthracene	ND		2.0	0.40	ug/l	
92-87-5	Benzidine	ND		20	0.28	ug/l	
56-55-3	Benzo(a)anthracene	ND		2.0	0.36	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	2.0	0.37	ug/l	
205-99-2	Benzo(b)fluoranthene	ND		2.0	0.59	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND		2.0	0.42	ug/l	
207-08-9	Benzo(k)fluoranthene	ND		2.0	0.42	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND		2.0	0.30	ug/l	
85-68-7	Butyl benzyl phthalate	ND		2.0	0.59	ug/l	
91-58-7	2-Chloronaphthalene	ND		2.0	0.98	ug/l	
106-47-8	4-Chloroaniline	ND		2.0	0.40	ug/l	
218-01-9	Chrysene	ND		2.0	0.25	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		2.0	0.65	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND		2.0	0.53	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND		2.0	0.74	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		2.0	0.43	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	600	2.0	0.21	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND		2.0	0.45	ug/l	
541-73-1	1,3-Dichlorobenzene	ND		2.0	0.16	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	34 MILL ST.		
Lab Sample ID:	J64347-1	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

ABN PPL List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	75	2.0	0.18	ug/l	
121-14-2	2,4-Dinitrotoluene	ND		2.0	0.86	ug/l	
606-20-2	2,6-Dinitrotoluene	ND		2.0	0.56	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND		2.0	1.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND		2.0	0.54	ug/l	
84-74-2	Di-n-butyl phthalate	ND		2.0	0.59	ug/l	
117-84-0	Di-n-octyl phthalate	ND		2.0	0.57	ug/l	
84-66-2	Diethyl phthalate	ND		2.0	0.39	ug/l	
131-11-3	Dimethyl phthalate	ND		2.0	0.33	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	6.0	2.0	0.66	ug/l	
206-44-0	Fluoranthene	ND		2.0	0.25	ug/l	
86-73-7	Fluorene	ND		2.0	0.45	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	2.0	0.54	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.18	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	50	10	0.41	ug/l	
67-72-1	Hexachloroethane	ND		5.0	0.28	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		2.0	0.30	ug/l	
78-59-1	Isophorone	ND		2.0	0.59	ug/l	
91-20-3	Naphthalene	ND		2.0	0.32	ug/l	
98-95-3	Nitrobenzene	ND		2.0	0.42	ug/l	
62-75-9	n-Nitrosodimethylamine	ND		2.0	0.46	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		2.0	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.52	ug/l	
85-01-8	Phenanthrene	ND		2.0	0.36	ug/l	
129-00-0	Pyrene	ND		2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	2.0	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%	42%	10-93%
4165-62-2	Phenol-d5	31%	26%	10-95%
118-79-6	2,4,6-Tribromophenol	83%	91%	28-133%
4165-60-0	Nitrobenzene-d5	88%	71%	24-122%
321-60-8	2-Fluorobiphenyl	81%	70%	27-115%
1718-51-0	Terphenyl-d14	89%	77%	25-132%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	34 MILL ST.		
Lab Sample ID:	J64347-1	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
		Percent Solids:	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.0010	0.010	0.0010	mg/l	1	07/10/07	07/10/07	RP	EPA 200.8 [3]	EPA 200.8 [6]
Barium	0.43	2.0	0.20	mg/l	1	06/28/07	06/29/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Boron	< 0.10		0.10	mg/l	1	06/28/07	06/29/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Chromium	< 0.010	0.10	0.010	mg/l	1	06/28/07	06/29/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Copper	< 0.025	1.3	0.025	mg/l	1	06/28/07	06/29/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Lead	0.00076	0.015	0.00050	mg/l	1	07/10/07	07/10/07	RP	EPA 200.8 [3]	EPA 200.8 [6]
Mercury	< 0.00020	0.0020	0.00020	mg/l	1	07/03/07	07/03/07	JW	EPA 245.1 [2]	EPA 245.1 [5]
Nickel	< 0.040		0.040	mg/l	1	06/28/07	06/29/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Zinc	0.028	5.0	0.020	mg/l	1	06/28/07	06/29/07	ND	EPA 200.7 [1]	EPA 200.7 [4]

(1) Instrument QC Batch: MA19394
(2) Instrument QC Batch: MA19411
(3) Instrument QC Batch: MA19443
(4) Prep QC Batch: MP39653
(5) Prep QC Batch: MP39706
(6) Prep QC Batch: MP39798

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	35B MILL ST.		
Lab Sample ID:	J64347-2	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B34336.D	1	06/30/07	MFH	n/a	n/a	V2B1454
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
107-13-1	Acrylonitrile	ND		2.5	0.43	ug/l	
107-05-1	Allyl chloride	ND		0.50	0.30	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l	
75-25-2	Bromoform	ND		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
107-14-2	Chloroacetonitrile	ND		10	3.4	ug/l	
109-69-3	1-Chlorobutane	ND		0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	ND		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	35B MILL ST.		
Lab Sample ID:	J64347-2	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.081	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
513-88-2	1,1-Dichloropropanone	ND		1.0	0.51	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		2.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
60-29-7	Ethyl Ether	ND		0.50	0.24	ug/l	
97-63-2	Ethyl methacrylate	ND		1.0	0.35	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
67-72-1	Hexachloroethane	ND		0.50	0.10	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
74-88-4	Iodomethane	ND		0.50	0.23	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.065	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
126-98-7	Methacrylonitrile	ND		0.50	0.42	ug/l	
80-62-6	Methyl methacrylate	ND		2.0	0.25	ug/l	
96-33-3	Methyl Acrylate	ND		1.0	0.30	ug/l	
98-95-3	Nitrobenzene	ND		50	5.3	ug/l	
79-46-9	2-Nitropropane	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
76-01-7	Pentachloroethane	ND		0.50	0.19	ug/l	
107-12-0	Propionitrile	ND		5.0	3.4	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
109-99-9	Tetrahydrofuran	ND		1.0	0.52	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	35B MILL ST.		
Lab Sample ID:	J64347-2	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	80%		74-123%
460-00-4	4-Bromofluorobenzene	88%		71-123%

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Report of Analysis

Client Sample ID:	35B MILL ST.		
Lab Sample ID:	J64347-2	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S102236.D	1	07/02/07	NDJ	n/a	n/a	VS3992
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	0.89	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	93%		61-143%
460-00-4	4-Bromofluorobenzene	83%		55-136%

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Report of Analysis

Client Sample ID:	35B MILL ST.		
Lab Sample ID:	J64347-2	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R60470.D	1	06/29/07	OYA	06/23/07	OP28146	ER2178
Run #2 [a]	M50660.D	1	07/04/07	NAP	06/30/07	OP28146	EM1720

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND		5.0	0.95	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND		5.0	1.2	ug/l	
120-83-2	2,4-Dichlorophenol	ND		5.0	1.6	ug/l	
105-67-9	2,4-Dimethylphenol	ND		5.0	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND		20	0.89	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND		10	0.72	ug/l	
88-75-5	2-Nitrophenol	ND		2.0	1.8	ug/l	
100-02-7	4-Nitrophenol	ND		20	0.84	ug/l	
87-86-5	Pentachlorophenol	ND	1.0	10	1.9	ug/l	
108-95-2	Phenol	ND		2.0	0.50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND		2.0	1.3	ug/l	
83-32-9	Acenaphthene	ND		2.0	0.35	ug/l	
208-96-8	Acenaphthylene	ND		2.0	0.38	ug/l	
120-12-7	Anthracene	ND		2.0	0.40	ug/l	
92-87-5	Benzidine	ND		20	0.28	ug/l	
56-55-3	Benzo(a)anthracene	ND		2.0	0.36	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	2.0	0.37	ug/l	
205-99-2	Benzo(b)fluoranthene	ND		2.0	0.59	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND		2.0	0.42	ug/l	
207-08-9	Benzo(k)fluoranthene	ND		2.0	0.42	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND		2.0	0.30	ug/l	
85-68-7	Butyl benzyl phthalate	ND		2.0	0.59	ug/l	
91-58-7	2-Chloronaphthalene	ND		2.0	0.98	ug/l	
106-47-8	4-Chloroaniline	ND		2.0	0.40	ug/l	
218-01-9	Chrysene	ND		2.0	0.25	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		2.0	0.65	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND		2.0	0.53	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND		2.0	0.74	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		2.0	0.43	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	600	2.0	0.21	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND		2.0	0.45	ug/l	
541-73-1	1,3-Dichlorobenzene	ND		2.0	0.16	ug/l	

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Report of Analysis

Client Sample ID:	35B MILL ST.		
Lab Sample ID:	J64347-2	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

ABN PPL List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	75	2.0	0.18	ug/l	
121-14-2	2,4-Dinitrotoluene	ND		2.0	0.86	ug/l	
606-20-2	2,6-Dinitrotoluene	ND		2.0	0.56	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND		2.0	1.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND		2.0	0.54	ug/l	
84-74-2	Di-n-butyl phthalate	ND		2.0	0.59	ug/l	
117-84-0	Di-n-octyl phthalate	ND		2.0	0.57	ug/l	
84-66-2	Diethyl phthalate	ND		2.0	0.39	ug/l	
131-11-3	Dimethyl phthalate	ND		2.0	0.33	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	6.0	2.0	0.66	ug/l	
206-44-0	Fluoranthene	ND		2.0	0.25	ug/l	
86-73-7	Fluorene	ND		2.0	0.45	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	2.0	0.54	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.18	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	50	10	0.41	ug/l	
67-72-1	Hexachloroethane	ND		5.0	0.28	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		2.0	0.30	ug/l	
78-59-1	Isophorone	ND		2.0	0.59	ug/l	
91-20-3	Naphthalene	ND		2.0	0.32	ug/l	
98-95-3	Nitrobenzene	ND		2.0	0.42	ug/l	
62-75-9	n-Nitrosodimethylamine	ND		2.0	0.46	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		2.0	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.52	ug/l	
85-01-8	Phenanthrene	ND		2.0	0.36	ug/l	
129-00-0	Pyrene	ND		2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	2.0	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%	42%	10-93%
4165-62-2	Phenol-d5	33%	26%	10-95%
118-79-6	2,4,6-Tribromophenol	79%	89%	28-133%
4165-60-0	Nitrobenzene-d5	80%	73%	24-122%
321-60-8	2-Fluorobiphenyl	75%	73%	27-115%
1718-51-0	Terphenyl-d14	85%	79%	25-132%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	35B MILL ST.		
Lab Sample ID:	J64347-2	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
		Percent Solids:	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.0010	0.010	0.0010	mg/l	1	07/10/07	07/10/07	RP	EPA 200.8 [3]	EPA 200.8 [6]
Barium	0.28	2.0	0.20	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Boron	< 0.10		0.10	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Chromium	< 0.010	0.10	0.010	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Copper	< 0.025	1.3	0.025	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Lead	0.00083	0.015	0.00050	mg/l	1	07/10/07	07/10/07	RP	EPA 200.8 [3]	EPA 200.8 [6]
Mercury	< 0.00020	0.0020	0.00020	mg/l	1	07/03/07	07/03/07	JW	EPA 245.1 [2]	EPA 245.1 [5]
Nickel	< 0.040		0.040	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Zinc	0.025	5.0	0.020	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]

(1) Instrument QC Batch: MA19394
(2) Instrument QC Batch: MA19411
(3) Instrument QC Batch: MA19443
(4) Prep QC Batch: MP39653
(5) Prep QC Batch: MP39706
(6) Prep QC Batch: MP39798

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	38 MILL ST.		
Lab Sample ID:	J64347-3	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E14842.D	1	07/02/07	KNV	n/a	n/a	V2E634
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
107-13-1	Acrylonitrile	ND		2.5	0.43	ug/l	
107-05-1	Allyl chloride	ND		0.50	0.30	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l	
75-25-2	Bromoform	ND		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
107-14-2	Chloroacetonitrile	ND		10	3.4	ug/l	
109-69-3	1-Chlorobutane	ND		0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	ND		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	38 MILL ST.		
Lab Sample ID:	J64347-3	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.081	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
513-88-2	1,1-Dichloropropanone	ND		1.0	0.51	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		2.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
60-29-7	Ethyl Ether	ND		0.50	0.24	ug/l	
97-63-2	Ethyl methacrylate	ND		1.0	0.35	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
67-72-1	Hexachloroethane	ND		0.50	0.10	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
74-88-4	Iodomethane	ND		0.50	0.23	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.065	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
126-98-7	Methacrylonitrile	ND		0.50	0.42	ug/l	
80-62-6	Methyl methacrylate	ND		2.0	0.25	ug/l	
96-33-3	Methyl Acrylate	ND		1.0	0.30	ug/l	
98-95-3	Nitrobenzene	ND		50	5.3	ug/l	
79-46-9	2-Nitropropane	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
76-01-7	Pentachloroethane	ND		0.50	0.19	ug/l	
107-12-0	Propionitrile	ND		5.0	3.4	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
109-99-9	Tetrahydrofuran	ND		1.0	0.52	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	

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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	38 MILL ST.		
Lab Sample ID:	J64347-3	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%		74-123%
460-00-4	4-Bromofluorobenzene	84%		71-123%

ND = Not detected MDL - Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	38 MILL ST.		
Lab Sample ID:	J64347-3	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S102237.D	1	07/02/07	NDJ	n/a	n/a	VS3992
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	0.89	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	103%		61-143%
460-00-4	4-Bromofluorobenzene	90%		55-136%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	38 MILL ST.		
Lab Sample ID:	J64347-3	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R60471.D	1	06/29/07	OYA	06/23/07	OP28146	ER2178
Run #2 [a]	M50661.D	1	07/04/07	NAP	06/30/07	OP28146	EM1720

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND		5.0	0.95	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND		5.0	1.2	ug/l	
120-83-2	2,4-Dichlorophenol	ND		5.0	1.6	ug/l	
105-67-9	2,4-Dimethylphenol	ND		5.0	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND		20	0.89	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND		10	0.72	ug/l	
88-75-5	2-Nitrophenol	ND		2.0	1.8	ug/l	
100-02-7	4-Nitrophenol	ND		20	0.84	ug/l	
87-86-5	Pentachlorophenol	ND	1.0	10	1.9	ug/l	
108-95-2	Phenol	ND		2.0	0.50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND		2.0	1.3	ug/l	
83-32-9	Acenaphthene	ND		2.0	0.35	ug/l	
208-96-8	Acenaphthylene	ND		2.0	0.38	ug/l	
120-12-7	Anthracene	ND		2.0	0.40	ug/l	
92-87-5	Benzidine	ND		20	0.28	ug/l	
56-55-3	Benzo(a)anthracene	ND		2.0	0.36	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	2.0	0.37	ug/l	
205-99-2	Benzo(b)fluoranthene	ND		2.0	0.59	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND		2.0	0.42	ug/l	
207-08-9	Benzo(k)fluoranthene	ND		2.0	0.42	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND		2.0	0.30	ug/l	
85-68-7	Butyl benzyl phthalate	ND		2.0	0.59	ug/l	
91-58-7	2-Chloronaphthalene	ND		2.0	0.98	ug/l	
106-47-8	4-Chloroaniline	ND		2.0	0.40	ug/l	
218-01-9	Chrysene	ND		2.0	0.25	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		2.0	0.65	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND		2.0	0.53	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND		2.0	0.74	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		2.0	0.43	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	600	2.0	0.21	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND		2.0	0.45	ug/l	
541-73-1	1,3-Dichlorobenzene	ND		2.0	0.16	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	38 MILL ST.		
Lab Sample ID:	J64347-3	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

ABN PPL List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	75	2.0	0.18	ug/l	
121-14-2	2,4-Dinitrotoluene	ND		2.0	0.86	ug/l	
606-20-2	2,6-Dinitrotoluene	ND		2.0	0.56	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND		2.0	1.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND		2.0	0.54	ug/l	
84-74-2	Di-n-butyl phthalate	ND		2.0	0.59	ug/l	
117-84-0	Di-n-octyl phthalate	ND		2.0	0.57	ug/l	
84-66-2	Diethyl phthalate	ND		2.0	0.39	ug/l	
131-11-3	Dimethyl phthalate	ND		2.0	0.33	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	6.0	2.0	0.66	ug/l	
206-44-0	Fluoranthene	ND		2.0	0.25	ug/l	
86-73-7	Fluorene	ND		2.0	0.45	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	2.0	0.54	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.18	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	50	10	0.41	ug/l	
67-72-1	Hexachloroethane	ND		5.0	0.28	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		2.0	0.30	ug/l	
78-59-1	Isophorone	ND		2.0	0.59	ug/l	
91-20-3	Naphthalene	ND		2.0	0.32	ug/l	
98-95-3	Nitrobenzene	ND		2.0	0.42	ug/l	
62-75-9	n-Nitrosodimethylamine	ND		2.0	0.46	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		2.0	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.52	ug/l	
85-01-8	Phenanthrene	ND		2.0	0.36	ug/l	
129-00-0	Pyrene	ND		2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	2.0	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%	45%	10-93%
4165-62-2	Phenol-d5	32%	28%	10-95%
118-79-6	2,4,6-Tribromophenol	75%	88%	28-133%
4165-60-0	Nitrobenzene-d5	86%	74%	24-122%
321-60-8	2-Fluorobiphenyl	76%	73%	27-115%
1718-51-0	Terphenyl-d14	82%	82%	25-132%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	38 MILL ST.		
Lab Sample ID:	J64347-3	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
		Percent Solids:	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.0012	0.010	0.0010	mg/l	1	07/10/07	07/10/07	RP	EPA 200.8 [3]	EPA 200.8 [6]
Barium	0.40	2.0	0.20	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Boron	< 0.10		0.10	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Chromium	< 0.010	0.10	0.010	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Copper	< 0.025	1.3	0.025	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Lead	0.0014	0.015	0.00050	mg/l	1	07/10/07	07/10/07	RP	EPA 200.8 [3]	EPA 200.8 [6]
Mercury	< 0.00020	0.0020	0.00020	mg/l	1	07/03/07	07/03/07	JW	EPA 245.1 [2]	EPA 245.1 [5]
Nickel	< 0.040		0.040	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Zinc	0.025	5.0	0.020	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]

(1) Instrument QC Batch: MA19394
(2) Instrument QC Batch: MA19411
(3) Instrument QC Batch: MA19443
(4) Prep QC Batch: MP39653
(5) Prep QC Batch: MP39706
(6) Prep QC Batch: MP39798

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	40 MILL ST.		
Lab Sample ID:	J64347-4	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E14843.D	1	07/02/07	KNV	n/a	n/a	V2E634
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
107-13-1	Acrylonitrile	ND		2.5	0.43	ug/l	
107-05-1	Allyl chloride	ND		0.50	0.30	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l	
75-25-2	Bromoform	ND		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
107-14-2	Chloroacetonitrile	ND		10	3.4	ug/l	
109-69-3	1-Chlorobutane	ND		0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	ND		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL ST.		
Lab Sample ID:	J64347-4	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.081	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
513-88-2	1,1-Dichloropropanone	ND		1.0	0.51	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		2.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
60-29-7	Ethyl Ether	ND		0.50	0.24	ug/l	
97-63-2	Ethyl methacrylate	ND		1.0	0.35	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
67-72-1	Hexachloroethane	ND		0.50	0.10	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
74-88-4	Iodomethane	ND		0.50	0.23	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.065	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
126-98-7	Methacrylonitrile	ND		0.50	0.42	ug/l	
80-62-6	Methyl methacrylate	ND		2.0	0.25	ug/l	
96-33-3	Methyl Acrylate	ND		1.0	0.30	ug/l	
98-95-3	Nitrobenzene	ND		50	5.3	ug/l	
79-46-9	2-Nitropropane	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
76-01-7	Pentachloroethane	ND		0.50	0.19	ug/l	
107-12-0	Propionitrile	ND		5.0	3.4	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
109-99-9	Tetrahydrofuran	ND		1.0	0.52	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL ST.		
Lab Sample ID:	J64347-4	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	93%		74-123%
460-00-4	4-Bromofluorobenzene	85%		71-123%

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL ST.		
Lab Sample ID:	J64347-4	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S102238.D	1	07/02/07	NDJ	n/a	n/a	VS3992
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	0.89	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	96%		61-143%
460-00-4	4-Bromofluorobenzene	84%		55-136%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL ST.		
Lab Sample ID:	J64347-4	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R60472.D	1	06/29/07	OYA	06/23/07	OP28146	ER2178
Run #2 [a]	M50662.D	1	07/04/07	NAP	06/30/07	OP28146	EM1720

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND		5.0	0.95	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND		5.0	1.2	ug/l	
120-83-2	2,4-Dichlorophenol	ND		5.0	1.6	ug/l	
105-67-9	2,4-Dimethylphenol	ND		5.0	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND		20	0.89	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND		10	0.72	ug/l	
88-75-5	2-Nitrophenol	ND		2.0	1.8	ug/l	
100-02-7	4-Nitrophenol	ND		20	0.84	ug/l	
87-86-5	Pentachlorophenol	ND	1.0	10	1.9	ug/l	
108-95-2	Phenol	ND		2.0	0.50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND		2.0	1.3	ug/l	
83-32-9	Acenaphthene	ND		2.0	0.35	ug/l	
208-96-8	Acenaphthylene	ND		2.0	0.38	ug/l	
120-12-7	Anthracene	ND		2.0	0.40	ug/l	
92-87-5	Benzidine	ND		20	0.28	ug/l	
56-55-3	Benzo(a)anthracene	ND		2.0	0.36	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	2.0	0.37	ug/l	
205-99-2	Benzo(b)fluoranthene	ND		2.0	0.59	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND		2.0	0.42	ug/l	
207-08-9	Benzo(k)fluoranthene	ND		2.0	0.42	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND		2.0	0.30	ug/l	
85-68-7	Butyl benzyl phthalate	ND		2.0	0.59	ug/l	
91-58-7	2-Chloronaphthalene	ND		2.0	0.98	ug/l	
106-47-8	4-Chloroaniline	ND		2.0	0.40	ug/l	
218-01-9	Chrysene	ND		2.0	0.25	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		2.0	0.65	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND		2.0	0.53	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND		2.0	0.74	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		2.0	0.43	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	600	2.0	0.21	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND		2.0	0.45	ug/l	
541-73-1	1,3-Dichlorobenzene	ND		2.0	0.16	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL ST.		
Lab Sample ID:	J64347-4	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

ABN PPL List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	75	2.0	0.18	ug/l	
121-14-2	2,4-Dinitrotoluene	ND		2.0	0.86	ug/l	
606-20-2	2,6-Dinitrotoluene	ND		2.0	0.56	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND		2.0	1.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND		2.0	0.54	ug/l	
84-74-2	Di-n-butyl phthalate	ND		2.0	0.59	ug/l	
117-84-0	Di-n-octyl phthalate	ND		2.0	0.57	ug/l	
84-66-2	Diethyl phthalate	ND		2.0	0.39	ug/l	
131-11-3	Dimethyl phthalate	ND		2.0	0.33	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	6.0	2.0	0.66	ug/l	
206-44-0	Fluoranthene	ND		2.0	0.25	ug/l	
86-73-7	Fluorene	ND		2.0	0.45	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	2.0	0.54	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.18	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	50	10	0.41	ug/l	
67-72-1	Hexachloroethane	ND		5.0	0.28	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		2.0	0.30	ug/l	
78-59-1	Isophorone	ND		2.0	0.59	ug/l	
91-20-3	Naphthalene	ND		2.0	0.32	ug/l	
98-95-3	Nitrobenzene	ND		2.0	0.42	ug/l	
62-75-9	n-Nitrosodimethylamine	ND		2.0	0.46	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		2.0	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.52	ug/l	
85-01-8	Phenanthrene	ND		2.0	0.36	ug/l	
129-00-0	Pyrene	ND		2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	2.0	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%	48%	10-93%
4165-62-2	Phenol-d5	33%	30%	10-95%
118-79-6	2,4,6-Tribromophenol	74%	89%	28-133%
4165-60-0	Nitrobenzene-d5	86%	80%	24-122%
321-60-8	2-Fluorobiphenyl	78%	76%	27-115%
1718-51-0	Terphenyl-d14	88%	85%	25-132%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL ST.		
Lab Sample ID:	J64347-4	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water	**Date Received:**	06/21/07
		Percent Solids:	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.0010	0.010	0.0010	mg/l	1	07/10/07	07/10/07	RP	EPA 200.8 [3]	EPA 200.8 [6]
Barium	0.30	2.0	0.20	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Boron	< 0.10		0.10	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Chromium	< 0.010	0.10	0.010	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Copper	< 0.025	1.3	0.025	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Lead	0.00062	0.015	0.00050	mg/l	1	07/10/07	07/10/07	RP	EPA 200.8 [3]	EPA 200.8 [6]
Mercury	< 0.00020	0.0020	0.00020	mg/l	1	07/03/07	07/03/07	JW	EPA 245.1 [2]	EPA 245.1 [5]
Nickel	< 0.040		0.040	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]
Zinc	< 0.020	5.0	0.020	mg/l	1	06/28/07	06/28/07	ND	EPA 200.7 [1]	EPA 200.7 [4]

(1) Instrument QC Batch: MA19394
(2) Instrument QC Batch: MA19411
(3) Instrument QC Batch: MA19443
(4) Prep QC Batch: MP39653
(5) Prep QC Batch: MP39706
(6) Prep QC Batch: MP39798

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	J64347-5	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water TB	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E14844.D	1	07/02/07	KNV	n/a	n/a	V2E634
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
107-13-1	Acrylonitrile	ND		2.5	0.43	ug/l	
107-05-1	Allyl chloride	ND		0.50	0.30	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l	
75-25-2	Bromoform	ND		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
107-14-2	Chloroacetonitrile	ND		10	3.4	ug/l	
109-69-3	1-Chlorobutane	ND		0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	ND		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	J64347-5	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water TB	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.081	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
513-88-2	1,1-Dichloropropanone	ND		1.0	0.51	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		2.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
60-29-7	Ethyl Ether	ND		0.50	0.24	ug/l	
97-63-2	Ethyl methacrylate	ND		1.0	0.35	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
67-72-1	Hexachloroethane	ND		0.50	0.10	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
74-88-4	Iodomethane	ND		0.50	0.23	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.065	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
126-98-7	Methacrylonitrile	ND		0.50	0.42	ug/l	
80-62-6	Methyl methacrylate	ND		2.0	0.25	ug/l	
96-33-3	Methyl Acrylate	ND		1.0	0.30	ug/l	
98-95-3	Nitrobenzene	ND		50	5.3	ug/l	
79-46-9	2-Nitropropane	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
76-01-7	Pentachloroethane	ND		0.50	0.19	ug/l	
107-12-0	Propionitrile	ND		5.0	3.4	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
109-99-9	Tetrahydrofuran	ND		1.0	0.52	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	J64347-5	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water TB	**Date Received:**	06/21/07
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%		74-123%
460-00-4	4-Bromofluorobenzene	86%		71-123%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	J64347-5	**Date Sampled:**	06/20/07
Matrix:	DW - Drinking Water TB	**Date Received:**	06/21/07
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Millbrook, Brookside Drive, Broadbrook, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S102239.D	1	07/02/07	NDJ	n/a	n/a	VS3992
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	0.89	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	96%		61-143%
460-00-4	4-Bromofluorobenzene	84%		55-136%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

DW, TB

CHAIN OF CUSTODY

2235 Route 130, Dayton NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: J64347

Client / Reporting Information

Company Name: SAS Environmental
Address: 1270 S. Cleveland-Massillon RD
City: Akron State: OH Zip: 44321
Project Contact: Mark Allen E-mail: m.allen@SASEnvironmental.com
Phone #: 330-666-1546
Sampler's Name: Matt Geissinger

Project Information

Project Name: Millbrook
Street: Brookside Dr
City: Broad Brook State: CT
Project #: 031096
Fax #: 330-666-7443
Client Purchase Order #:

Requested Analysis

624 ☐ 8021 ☐ 602 ☐ PAUG ☐ 8260 ☐ 624 ☐ 8270 ☐ 625 ☐ 8270 ☐ STANS ☐ 8270 ☐ STANS ☐ PAUG ☐
MTBE ☐ TBA ☐ NAP ☐ TBA ☐ NAP ☐ +10 ☐ +15 ☐ TBA ☐ NAP ☐ +10 ☐ +15 ☐ PAH ☐ +10 ☐

VOC 524 + 1,4 Dioxane; SVOC 625; Arsenic, Boron, Barium, Total Metals EPA 200; Chromium, Copper, Mercury, Nickel, Lead, Zinc

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	SUMMA # / MEOH Vial #	Collection Date	Time	Sampled By	Matrix	# of bottles	HCl	HNO3	H2SO4	NONE	NaHSO4	MEOH	NaOH2S2O3	VOC 524 + 1,4 Dioxane	SVOC 625	Arsenic, Boron, Barium, Total Metals EPA 200	Chromium, Copper, Mercury, Nickel, Lead, Zinc				LAB USE ONLY
-1	34 Mill ST.		6-20-07	16:05	MG	GW	6	3		1	2				✓	✓	✓	✓	✓			EX21,
-2	35B Mill ST.		6-20-07	15:37	MG	GW	6	3		1	2				✓	✓	✓	✓	✓			AMET14,
-3	38 Mill ST.		6-20-07	15:17	MG	GW	6	3		1	2				✓	✓	✓	✓	✓			~~892~~
-4	40 [redacted] ST		6-20-07	15:24	MG	GW	6	3		1	2				✓	✓	✓	✓	✓			893
-5	TB *		6-18-07	0630			2															

Turnaround Time (Business Days)

- ☐ Std. 15 Business Days
- ☐ 10 Day RUSH
- ☐ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☐ Other

Approved By: / Date:

Emergency & Rush T/A data available VIA LabLink

Data Deliverable Information

- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ NJ Reduced
- ☐ NJ Full
- ☐ Other _____
- ☐ FULL CLP
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☐ EDD Format: _____

Commercial "A" = Results Only

Comments / Remarks

NEED TO DO Level IV Data Package
Please meet CT state Requirements for
Drinking water. (See provided Table)
* TB Req'd Added to COC
2 6-21-07

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by: Sampler	Date Time	Received by:	Relinquished by:	Date Time	Received by:
1 Matt		1 FEDEX	2 FEDEX	6-21-07 1120	2 Mathna
3		3	4		4
5		5			

Custody Seal #: | Preserved where applicable ✓ | On Ice ☐ | Cooler Temp. 2.8°C

2A

LB

J64347: Chain of Custody
Page 1 of 1

New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

02/01/07

Technical Report for

Xpert Diagnostic & Design

UT Broadbrook 1-21 Brookside Drive Broadbrook CT

031096

Accutest Job Number: M61458

Sampling Date: 12/07/06

Report to:

Xpert Diagnostic & Design

crawford@xdd-llc.com

ATTN: Scott Crawford

Total number of pages in report: 97

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

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Table of Contents

-1-

Section 1: Sample Summary 3
Section 2: Case Narrative/Conformance Summary 4
Section 3: Sample Results 6
3.1: M61458-1: 34 MILL STREET 7
3.2: M61458-2: 35B MILL STREET 12
3.3: M61458-3: 38 MILL STREET 17
3.4: M61458-4: 40 MILL STREET 22
Section 4: Misc. Forms 27
4.1: Chain of Custody 28
4.2: Sample Tracking Chronicle 30
4.3: Internal Chain of Custody 31
Section 5: GC/MS Volatiles - QC Data Summaries 33
5.1: Method Blank Summary 34
5.2: Blank Spike Summary 36
5.3: Duplicate Summary 38
5.4: Instrument Performance Checks (BFB) 40
5.5: Internal Standard Area Summaries 42
5.6: Surrogate Recovery Summaries 43
5.7: Initial and Continuing Calibration Summaries 44
Section 6: GC/MS Semi-volatiles - QC Data Summaries 50
6.1: Method Blank Summary 51
6.2: Blank Spike/Blank Spike Duplicate Summary 53
6.3: Matrix Spike/Matrix Spike Duplicate Summary 55
6.4: Instrument Performance Checks (DFTPP) 57
6.5: Internal Standard Area Summaries 60
6.6: Surrogate Recovery Summaries 61
6.7: Initial and Continuing Calibration Summaries 62
Section 7: Metals Analysis - QC Data Summaries 72
7.1: Inst QC MA7667: Hg 73
7.2: Inst QC MA7697: As,Ba,B,Cr,Cu,Pb,Ni,Zn 79
7.3: Prep QC MP9705: Hg 91
7.4: Prep QC MP9711: As,Ba,B,Cr,Cu,Pb,Ni,Zn 94

Sample Summary

Xpert Diagnostic & Design

Job No: M61458

UT Broadbrook 1-21 Brookside Drive Broadbrook CT
Project No: 031096

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M61458-1	12/07/06	11:57 DQ	12/12/06	AQ	Ground Water	34 MILL STREET
M61458-2	12/07/06	11:53 DQ	12/12/06	AQ	Ground Water	35B MILL STREET
M61458-3	12/07/06	12:20 DQ	12/12/06	AQ	Ground Water	38 MILL STREET
M61458-4	12/07/06	12:30 DQ	12/12/06	AQ	Ground Water	40 MILL STREET

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Xpert Diagnostic & Design	**Job No**	M61458
Site:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT	**Report Date**	1/31/2007 1:20:01 PM

4 Sample(s) were collected on 12/07/2006 and were received at Accutest on 12/12/2006 properly preserved, at 3.6 Deg. C and intact. These Samples received an Accutest job number of M61458. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method EPA 524.2 REV 4.1

Matrix AQ **Batch ID:** MSK608

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M61486-2DUP were used as the QC samples indicated.
- MSK608-BS for 1,2,3-Trichlorobenzene: Outside control limits. Associated samples are non-detect for this compound.
- MSK608-BS for Naphthalene: Outside control limits. Associated samples are non-detect for this compound.

Extractables by GCMS By Method EPA 625

Matrix AQ **Batch ID:** OP12599

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M61517-1MS, M61517-1MSD were used as the QC samples indicated.
- RPD(s) for MSD for 2,4-Dimethylphenol, Benzidine are outside control limits for sample OP12599-MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.

Metals By Method EPA 200.7

Matrix AQ **Batch ID:** MP9711

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M61516-2DUP, M61516-2MS, M61516-2SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Barium, Chromium, Lead, Zinc are outside control limits for sample MP9711-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix AQ **Batch ID:** MP9705

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M61458-1DUP, M61458-1MS were used as the QC samples for metals.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M61458).

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	34 MILL STREET		
Lab Sample ID:	M61458-1	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K17762.D	1	12/14/06	AA	n/a	n/a	MSK608
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	0.50	ug/l	
74-97-5	Bromochloromethane	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	ug/l	
75-25-2	Bromoform	ND	0.50	ug/l	
74-83-9	Bromomethane	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	ug/l	
108-90-7	Chlorobenzene	ND	0.50	ug/l	
75-00-3	Chloroethane	ND	0.50	ug/l	
67-66-3	Chloroform	ND	0.50	ug/l	
74-87-3	Chloromethane	ND	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	ug/l	
74-95-3	Dibromomethane	ND	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	34 MILL STREET		
Lab Sample ID:	M61458-1	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

VOA List

CAS No.	Compound	Result	RL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	ug/l	
75-09-2	Methylene chloride	ND	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ug/l	
91-20-3	Naphthalene	ND	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	ug/l	
100-42-5	Styrene	ND	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	ug/l	
108-88-3	Toluene	ND	0.50	ug/l	
79-01-6	Trichloroethylene	ND	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	ug/l	
75-01-4	Vinyl chloride	ND	0.50	ug/l	
	m,p-Xylene	ND	0.50	ug/l	
95-47-6	o-Xylene	ND	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	90%		70-130%
460-00-4	4-Bromofluorobenzene	81%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	34 MILL STREET		
Lab Sample ID:	M61458-1	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F25621.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	10	ug/l	
108-95-2	Phenol	ND	5.1	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	
83-32-9	Acenaphthene	ND	5.1	ug/l	
208-96-8	Acenaphthylene	ND	5.1	ug/l	
120-12-7	Anthracene	ND	5.1	ug/l	
92-87-5	Benzidine	ND	20	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
218-01-9	Chrysene	ND	5.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.1	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.1	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.1	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	34 MILL STREET		
Lab Sample ID:	M61458-1	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	10	ug/l	
117-84-0	Di-n-octyl phthalate	ND	10	ug/l	
84-66-2	Diethyl phthalate	ND	10	ug/l	
131-11-3	Dimethyl phthalate	ND	10	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	10	ug/l	
206-44-0	Fluoranthene	ND	5.1	ug/l	
86-73-7	Fluorene	ND	5.1	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	5.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	ug/l	
78-59-1	Isophorone	ND	5.1	ug/l	
91-20-3	Naphthalene	ND	5.1	ug/l	
98-95-3	Nitrobenzene	ND	5.1	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.1	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	ug/l	
85-01-8	Phenanthrene	ND	5.1	ug/l	
129-00-0	Pyrene	ND	5.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		17-120%
4165-62-2	Phenol-d5	27%		10-120%
118-79-6	2,4,6-Tribromophenol	75%		30-126%
4165-60-0	Nitrobenzene-d5	75%		22-126%
321-60-8	2-Fluorobiphenyl	70%		21-124%
1718-51-0	Terphenyl-d14	72%		24-133%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	34 MILL STREET		
Lab Sample ID:	M61458-1	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
		Percent Solids:	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.1 U	10	3.1	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Barium	415	200	1.4	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Boron	7.3 B	100	2.5	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Chromium	1.3 U	10	1.3	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Copper	1.6 B	25	0.83	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Lead	1.6 U	5.0	1.6	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Mercury	0.045 U	0.20	0.045	ug/l	1	12/14/06	12/14/06	MA	SW846 7470A [1]	SW846 7470A [3]
Nickel	1.3 U	40	1.3	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Zinc	23.8	20	1.1	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]

(1) Instrument QC Batch: MA7667
(2) Instrument QC Batch: MA7697
(3) Prep QC Batch: MP9705
(4) Prep QC Batch: MP9711

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	35B MILL STREET		
Lab Sample ID:	M61458-2	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K17763.D	1	12/14/06	AA	n/a	n/a	MSK608
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	0.50	ug/l	
74-97-5	Bromochloromethane	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	ug/l	
75-25-2	Bromoform	ND	0.50	ug/l	
74-83-9	Bromomethane	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	ug/l	
108-90-7	Chlorobenzene	ND	0.50	ug/l	
75-00-3	Chloroethane	ND	0.50	ug/l	
67-66-3	Chloroform	ND	0.50	ug/l	
74-87-3	Chloromethane	ND	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	ug/l	
74-95-3	Dibromomethane	ND	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	35B MILL STREET		
Lab Sample ID:	M61458-2	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

VOA List

CAS No.	Compound	Result	RL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	ug/l	
75-09-2	Methylene chloride	ND	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ug/l	
91-20-3	Naphthalene	ND	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	ug/l	
100-42-5	Styrene	ND	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	ug/l	
108-88-3	Toluene	ND	0.50	ug/l	
79-01-6	Trichloroethylene	ND	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	ug/l	
75-01-4	Vinyl chloride	ND	0.50	ug/l	
	m,p-Xylene	ND	0.50	ug/l	
95-47-6	o-Xylene	ND	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	88%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	35B MILL STREET		
Lab Sample ID:	M61458-2	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F25622.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	10	ug/l	
108-95-2	Phenol	ND	5.1	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	
83-32-9	Acenaphthene	ND	5.1	ug/l	
208-96-8	Acenaphthylene	ND	5.1	ug/l	
120-12-7	Anthracene	ND	5.1	ug/l	
92-87-5	Benzidine	ND	20	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
218-01-9	Chrysene	ND	5.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.1	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.1	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.1	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	35B MILL STREET		
Lab Sample ID:	M61458-2	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	10	ug/l	
117-84-0	Di-n-octyl phthalate	ND	10	ug/l	
84-66-2	Diethyl phthalate	ND	10	ug/l	
131-11-3	Dimethyl phthalate	ND	10	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	10	ug/l	
206-44-0	Fluoranthene	ND	5.1	ug/l	
86-73-7	Fluorene	ND	5.1	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	5.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	ug/l	
78-59-1	Isophorone	ND	5.1	ug/l	
91-20-3	Naphthalene	ND	5.1	ug/l	
98-95-3	Nitrobenzene	ND	5.1	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.1	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	ug/l	
85-01-8	Phenanthrene	ND	5.1	ug/l	
129-00-0	Pyrene	ND	5.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		17-120%
4165-62-2	Phenol-d5	26%		10-120%
118-79-6	2,4,6-Tribromophenol	67%		30-126%
4165-60-0	Nitrobenzene-d5	68%		22-126%
321-60-8	2-Fluorobiphenyl	63%		21-124%
1718-51-0	Terphenyl-d14	65%		24-133%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	35B MILL STREET		
Lab Sample ID:	M61458-2	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
		Percent Solids:	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.1 U	10	3.1	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Barium	269	200	1.4	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Boron	19.7 B	100	2.5	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Chromium	1.3 U	10	1.3	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Copper	14.9 B	25	0.83	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Lead	1.6 U	5.0	1.6	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Mercury	0.045 U	0.20	0.045	ug/l	1	12/14/06	12/14/06	MA	SW846 7470A [1]	SW846 7470A [3]
Nickel	1.3 U	40	1.3	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Zinc	21.5	20	1.1	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]

(1) Instrument QC Batch: MA7667
(2) Instrument QC Batch: MA7697
(3) Prep QC Batch: MP9705
(4) Prep QC Batch: MP9711

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	38 MILL STREET		
Lab Sample ID:	M61458-3	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K17764.D	1	12/14/06	AA	n/a	n/a	MSK608
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	0.50	ug/l	
74-97-5	Bromochloromethane	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	ug/l	
75-25-2	Bromoform	ND	0.50	ug/l	
74-83-9	Bromomethane	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	ug/l	
108-90-7	Chlorobenzene	ND	0.50	ug/l	
75-00-3	Chloroethane	ND	0.50	ug/l	
67-66-3	Chloroform	ND	0.50	ug/l	
74-87-3	Chloromethane	ND	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	ug/l	
74-95-3	Dibromomethane	ND	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	38 MILL STREET		
Lab Sample ID:	M61458-3	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

VOA List

CAS No.	Compound	Result	RL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	ug/l	
75-09-2	Methylene chloride	ND	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ug/l	
91-20-3	Naphthalene	ND	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	ug/l	
100-42-5	Styrene	ND	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	ug/l	
108-88-3	Toluene	ND	0.50	ug/l	
79-01-6	Trichloroethylene	ND	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	ug/l	
75-01-4	Vinyl chloride	ND	0.50	ug/l	
	m,p-Xylene	ND	0.50	ug/l	
95-47-6	o-Xylene	ND	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	100%		70-130%
460-00-4	4-Bromofluorobenzene	89%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	38 MILL STREET		
Lab Sample ID:	M61458-3	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F25623.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	10	ug/l	
108-95-2	Phenol	ND	5.1	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	
83-32-9	Acenaphthene	ND	5.1	ug/l	
208-96-8	Acenaphthylene	ND	5.1	ug/l	
120-12-7	Anthracene	ND	5.1	ug/l	
92-87-5	Benzidine	ND	20	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
218-01-9	Chrysene	ND	5.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.1	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.1	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.1	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	38 MILL STREET		
Lab Sample ID:	M61458-3	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	10	ug/l	
117-84-0	Di-n-octyl phthalate	ND	10	ug/l	
84-66-2	Diethyl phthalate	ND	10	ug/l	
131-11-3	Dimethyl phthalate	ND	10	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	10	ug/l	
206-44-0	Fluoranthene	ND	5.1	ug/l	
86-73-7	Fluorene	ND	5.1	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	5.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	ug/l	
78-59-1	Isophorone	ND	5.1	ug/l	
91-20-3	Naphthalene	ND	5.1	ug/l	
98-95-3	Nitrobenzene	ND	5.1	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.1	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	ug/l	
85-01-8	Phenanthrene	ND	5.1	ug/l	
129-00-0	Pyrene	ND	5.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		17-120%
4165-62-2	Phenol-d5	28%		10-120%
118-79-6	2,4,6-Tribromophenol	81%		30-126%
4165-60-0	Nitrobenzene-d5	73%		22-126%
321-60-8	2-Fluorobiphenyl	69%		21-124%
1718-51-0	Terphenyl-d14	69%		24-133%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	38 MILL STREET		
Lab Sample ID:	M61458-3	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
		Percent Solids:	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.1 U	10	3.1	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Barium	422	200	1.4	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Boron	42.2 B	100	2.5	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Chromium	1.3 U	10	1.3	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Copper	29.6	25	0.83	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Lead	1.6 U	5.0	1.6	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Mercury	0.045 U	0.20	0.045	ug/l	1	12/14/06	12/14/06	MA	SW846 7470A [1]	SW846 7470A [3]
Nickel	6.8 B	40	1.3	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Zinc	51.8	20	1.1	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]

(1) Instrument QC Batch: MA7667
(2) Instrument QC Batch: MA7697
(3) Prep QC Batch: MP9705
(4) Prep QC Batch: MP9711

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	40 MILL STREET		
Lab Sample ID:	M61458-4	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K17765.D	1	12/14/06	AA	n/a	n/a	MSK608
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	0.50	ug/l	
74-97-5	Bromochloromethane	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	ug/l	
75-25-2	Bromoform	ND	0.50	ug/l	
74-83-9	Bromomethane	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	ug/l	
108-90-7	Chlorobenzene	ND	0.50	ug/l	
75-00-3	Chloroethane	ND	0.50	ug/l	
67-66-3	Chloroform	ND	0.50	ug/l	
74-87-3	Chloromethane	ND	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	ug/l	
74-95-3	Dibromomethane	ND	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL STREET		
Lab Sample ID:	M61458-4	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

VOA List

CAS No.	Compound	Result	RL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	ug/l	
75-09-2	Methylene chloride	ND	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ug/l	
91-20-3	Naphthalene	ND	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	ug/l	
100-42-5	Styrene	ND	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	ug/l	
108-88-3	Toluene	ND	0.50	ug/l	
79-01-6	Trichloroethylene	ND	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	ug/l	
75-01-4	Vinyl chloride	ND	0.50	ug/l	
	m,p-Xylene	ND	0.50	ug/l	
95-47-6	o-Xylene	ND	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	89%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL STREET		
Lab Sample ID:	M61458-4	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F25624.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	10	ug/l	
108-95-2	Phenol	ND	5.1	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	
83-32-9	Acenaphthene	ND	5.1	ug/l	
208-96-8	Acenaphthylene	ND	5.1	ug/l	
120-12-7	Anthracene	ND	5.1	ug/l	
92-87-5	Benzidine	ND	20	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
218-01-9	Chrysene	ND	5.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.1	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.1	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.1	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL STREET		
Lab Sample ID:	M61458-4	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	10	ug/l	
117-84-0	Di-n-octyl phthalate	ND	10	ug/l	
84-66-2	Diethyl phthalate	ND	10	ug/l	
131-11-3	Dimethyl phthalate	ND	10	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	10	ug/l	
206-44-0	Fluoranthene	ND	5.1	ug/l	
86-73-7	Fluorene	ND	5.1	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	5.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	ug/l	
78-59-1	Isophorone	ND	5.1	ug/l	
91-20-3	Naphthalene	ND	5.1	ug/l	
98-95-3	Nitrobenzene	ND	5.1	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.1	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	ug/l	
85-01-8	Phenanthrene	ND	5.1	ug/l	
129-00-0	Pyrene	ND	5.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		17-120%
4165-62-2	Phenol-d5	27%		10-120%
118-79-6	2,4,6-Tribromophenol	85%		30-126%
4165-60-0	Nitrobenzene-d5	69%		22-126%
321-60-8	2-Fluorobiphenyl	65%		21-124%
1718-51-0	Terphenyl-d14	81%		24-133%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	40 MILL STREET		
Lab Sample ID:	M61458-4	**Date Sampled:**	12/07/06
Matrix:	AQ - Ground Water	**Date Received:**	12/12/06
		Percent Solids:	n/a
Project:	UT Broadbrook 1-21 Brookside Drive Broadbrook CT		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.1 U	10	3.1	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Barium	311	200	1.4	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Boron	7.4 B	100	2.5	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Chromium	1.3 U	10	1.3	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Copper	5.6 B	25	0.83	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Lead	1.6 U	5.0	1.6	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Mercury	0.045 U	0.20	0.045	ug/l	1	12/14/06	12/14/06	MA	SW846 7470A [1]	SW846 7470A [3]
Nickel	1.3 U	40	1.3	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]
Zinc	10.7 B	20	1.1	ug/l	1	12/14/06	12/22/06	PY	EPA 200.7 [2]	EPA 200.7 [4]

(1) Instrument QC Batch: MA7667
(2) Instrument QC Batch: MA7697
(3) Prep QC Batch: MP9705
(4) Prep QC Batch: MP9711

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

2235 Route 130, Dayton NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking # 8[illegible]2743 3[illegible]165
Bottle Order Control # M61458
Accutest Quote #
Accutest Job #

Client / Reporting Information

Company Name: AS Environmental Inc
Address: 1270 S. Cleveland-Massillon Rd
City: Akron State: Ohio Zip: 44321
Project Contact: Mark V Allen E-mail:
Phone #: 330 666 1546
Sampler's Name:

Project Information

Project Name: CT Brookbrook
Street: I-21 Brookside Drive
City: Brookbrook State: CT
Project #: 03096
Fax #: 330 666 7443
Client Purchase Order #:

Requested Analysis

Accutest Sample #	Field ID / Point of Collection	SUMMA # / MEOH Vial #	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NaHSO4	MeOH	DI/DW	8260 □ 8021 □ 624 □ 524.2 □	8270 □ 625 □ 8310 □	8290 □ 1613 □ 625 □	8290 □ 1613 □ 625 □	8270 □ 625 □ 8310 □	Hold	Sulfide 6250	TCLP Metals EPA 2000	Arsenic, Barium, Cadmium, Copper, Lead, Nickel, Zinc	Barium, Manganese			
-1	341 Mill Street		12/6/06	1157	CB		6	3		1		2									X	X	X				
-2	35B Mill Street		12/6/06	1153	CB		6	3		1		2									X	X	X				
-3	38 Mill Street		12/6/06	1220	CB		6	3		1		2									X	X	X				
-4	40 Mill Street		12/6/06	1230	CB		6	3		1		2									X	X	X				

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY: 2198R, 2642, 635

Turnaround Time (Business Days)

☑ Std. 15 Business Days
☐ 10 Day RUSH
☐ 5 Day RUSH
☐ 3 Day EMERGENCY
☐ 2 Day EMERGENCY
☐ 1 Day EMERGENCY
☐ Other

Approved By / Date:

Emergency & Rush T/A data available VIA LabLink

Data Deliverable Information

☐ Commercial "A"
☐ Commercial "B"
☐ NJ Reduced
☐ NJ Full
☐ Other _____
☐ FULL CLP
☐ NYASP Category A
☐ NYASP Category B
☐ State Forms
☐ EDD Format _____

Commercial "A" = Results Only

Comments / Remarks

5B, 13F, 2B6

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished by Sampler	Date Time	Received by	Relinquished by	Date Time	Received by
1	12/6/06	1 Fedex	2 Fedex	12/8/06	2
3	12/12/06	3 Healy	4	12/12/06 14:30	4
5	12/12/06 17:15	5	Custody Seal #	Preserved where applicable ☐	On Ice ☑ Cooler Temp. 3.6, 2.8

4°C

Reza Tand

From: Katherine Woolhouse [woolhouse@xdd-llc.com]
Sent: Thursday, December 28, 2006 7:15 AM
To: Reza Tand
Cc: Scott Crawford
Subject: Broad Brook Samples

Hi Reza, I followed up with Scott Crawford regarding the Broad Brook samples that you were wondering about. You can report all compounds for VOCs and SVOCs and the followingtotal metals: arsenic, barium, chromium, copper, lead, nickel, mercury, zinc and boron. Please prepare a Level IV reporting package and EDD can be sent to crawford@xdd-llc.com .

As far as billing goes, my understanding is that you can bill us (XDD) directly for this work - a UARP won't be completed.

I believe this answers your questions, but please let me know if anything else comes up.

Thanks,
Katherine

Internal Sample Tracking Chronicle

Xpert Diagnostic & Design

Job No: M61458

UT Broadbrook 1-21 Brookside Drive Broadbrook CT
Project No: 031096

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M61458-1 Collected: 07-DEC-06 11:57 By: DQ Received: 12-DEC-06 By: RS 34 MILL STREET						
M61458-1	EPA 524.2 REV 4.1	14-DEC-06 13:07	AA			V524STD
M61458-1	SW846 7470A	14-DEC-06 13:22	MA	14-DEC-06	MA	HG
M61458-1	EPA 200.7	22-DEC-06 14:40	PY	14-DEC-06	OP	AS,B,BA,CR,CU,NI,PB,ZN
M61458-1	EPA 625	15-JAN-07 20:51	PN	14-DEC-06	EL	AB625PPL
M61458-2 Collected: 07-DEC-06 11:53 By: DQ Received: 12-DEC-06 By: RS 35B MILL STREET						
M61458-2	SW846 7470A	14-DEC-06 13:24	MA	14-DEC-06	MA	HG
M61458-2	EPA 524.2 REV 4.1	14-DEC-06 13:38	AA			V524STD
M61458-2	EPA 200.7	22-DEC-06 14:47	PY	14-DEC-06	OP	AS,B,BA,CR,CU,NI,PB,ZN
M61458-2	EPA 625	15-JAN-07 21:21	PN	14-DEC-06	EL	AB625PPL
M61458-3 Collected: 07-DEC-06 12:20 By: DQ Received: 12-DEC-06 By: RS 38 MILL STREET						
M61458-3	SW846 7470A	14-DEC-06 13:27	MA	14-DEC-06	MA	HG
M61458-3	EPA 524.2 REV 4.1	14-DEC-06 14:06	AA			V524STD
M61458-3	EPA 200.7	22-DEC-06 14:53	PY	14-DEC-06	OP	AS,B,BA,CR,CU,NI,PB,ZN
M61458-3	EPA 625	15-JAN-07 21:48	PN	14-DEC-06	EL	AB625PPL
M61458-4 Collected: 07-DEC-06 12:30 By: DQ Received: 12-DEC-06 By: RS 40 MILL STREET						
M61458-4	SW846 7470A	14-DEC-06 13:29	MA	14-DEC-06	MA	HG
M61458-4	EPA 524.2 REV 4.1	14-DEC-06 14:34	AA			V524STD
M61458-4	EPA 200.7	22-DEC-06 14:59	PY	14-DEC-06	OP	AS,B,BA,CR,CU,NI,PB,ZN
M61458-4	EPA 625	15-JAN-07 22:26	PN	14-DEC-06	EL	AB625PPL

Accutest Internal Chain of Custody

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT
Received: 12/12/06

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
M61458-1.1	VOC Ref #2	Akin Akinbuli	12/14/06 11:48	Retrieve from Storage
M61458-1.1	Akin Akinbuli	GCMSK	12/14/06 11:48	Load on Instrument
M61458-1.1	GCMSK	Akin Akinbuli	12/15/06 16:06	Unload from Instrument
M61458-1.1	Akin Akinbuli	VOC Ref #2	12/15/06 16:06	Return to Storage
M61458-1.5	Walk In Ref #9	Francisco Castellanos	12/14/06 12:59	Retrieve from Storage
M61458-1.5	Francisco Castellanos		12/16/06 14:09	Depleted
M61458-1.6	Walk In Ref #5	Mehdi Abdolrahim	12/14/06 07:50	Retrieve from Storage
M61458-1.6	Mehdi Abdolrahim	Walk In Ref #5	12/14/06 09:23	Return to Storage
M61458-1.6	Walk In Ref #5	Ornela Piluri	12/14/06 13:40	Retrieve from Storage
M61458-1.6	Ornela Piluri	Walk In Ref #5	12/14/06 14:11	Return to Storage
M61458-2.1	VOC Ref #2	Akin Akinbuli	12/14/06 11:48	Retrieve from Storage
M61458-2.1	Akin Akinbuli	GCMSK	12/14/06 11:48	Load on Instrument
M61458-2.1	GCMSK	Akin Akinbuli	12/15/06 16:06	Unload from Instrument
M61458-2.1	Akin Akinbuli	VOC Ref #2	12/15/06 16:06	Return to Storage
M61458-2.4	Walk In Ref #9	Francisco Castellanos	12/14/06 12:59	Retrieve from Storage
M61458-2.4	Francisco Castellanos		12/16/06 14:09	Depleted
M61458-2.6	Walk In Ref #5	Mehdi Abdolrahim	12/14/06 07:50	Retrieve from Storage
M61458-2.6	Mehdi Abdolrahim	Walk In Ref #5	12/14/06 09:23	Return to Storage
M61458-2.6	Walk In Ref #5	Ornela Piluri	12/14/06 13:40	Retrieve from Storage
M61458-2.6	Ornela Piluri	Walk In Ref #5	12/14/06 14:11	Return to Storage
M61458-3.1	VOC Ref #2	Akin Akinbuli	12/14/06 11:48	Retrieve from Storage
M61458-3.1	Akin Akinbuli	GCMSK	12/14/06 11:48	Load on Instrument
M61458-3.1	GCMSK	Akin Akinbuli	12/15/06 16:06	Unload from Instrument
M61458-3.1	Akin Akinbuli	VOC Ref #2	12/15/06 16:06	Return to Storage
M61458-3.5	Walk In Ref #9	Francisco Castellanos	12/14/06 12:59	Retrieve from Storage
M61458-3.5	Francisco Castellanos		12/16/06 14:09	Depleted
M61458-3.6	Walk In Ref #5	Mehdi Abdolrahim	12/14/06 07:50	Retrieve from Storage
M61458-3.6	Mehdi Abdolrahim	Walk In Ref #5	12/14/06 09:23	Return to Storage
M61458-3.6	Walk In Ref #5	Ornela Piluri	12/14/06 13:40	Retrieve from Storage
M61458-3.6	Ornela Piluri	Walk In Ref #5	12/14/06 14:11	Return to Storage
M61458-4.1	VOC Ref #2	Akin Akinbuli	12/14/06 11:48	Retrieve from Storage
M61458-4.1	Akin Akinbuli	GCMSK	12/14/06 11:48	Load on Instrument
M61458-4.1	GCMSK	Akin Akinbuli	12/15/06 16:06	Unload from Instrument
M61458-4.1	Akin Akinbuli	VOC Ref #2	12/15/06 16:06	Return to Storage

Accutest Internal Chain of Custody

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT
Received: 12/12/06

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
M61458-4.4	Walk In Ref #9	Francisco Castellanos	12/14/06 12:59	Retrieve from Storage
M61458-4.4	Francisco Castellanos		12/16/06 14:09	Depleted
M61458-4.6	Walk In Ref #5	Mehdi Abdolrahim	12/14/06 07:50	Retrieve from Storage
M61458-4.6	Mehdi Abdolrahim	Walk In Ref #5	12/14/06 09:23	Return to Storage
M61458-4.6	Walk In Ref #5	Ornela Piluri	12/14/06 13:40	Retrieve from Storage
M61458-4.6	Ornela Piluri	Walk In Ref #5	12/14/06 14:11	Return to Storage

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK608-MB	K17760.D	1	12/14/06	AA	n/a	n/a	MSK608

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

M61458-1, M61458-2, M61458-3, M61458-4

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	0.50	ug/l	
74-97-5	Bromochloromethane	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	ug/l	
75-25-2	Bromoform	ND	0.50	ug/l	
74-83-9	Bromomethane	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	ug/l	
108-90-7	Chlorobenzene	ND	0.50	ug/l	
75-00-3	Chloroethane	ND	0.50	ug/l	
67-66-3	Chloroform	ND	0.50	ug/l	
74-87-3	Chloromethane	ND	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	ug/l	
74-95-3	Dibromomethane	ND	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	0.50	ug/l	

Method Blank Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK608-MB	K17760.D	1	12/14/06	AA	n/a	n/a	MSK608

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

M61458-1, M61458-2, M61458-3, M61458-4

CAS No.	Compound	Result	RL	Units	Q
87-68-3	Hexachlorobutadiene	ND	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	ug/l	
75-09-2	Methylene chloride	ND	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ug/l	
91-20-3	Naphthalene	ND	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	ug/l	
100-42-5	Styrene	ND	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	ug/l	
108-88-3	Toluene	ND	0.50	ug/l	
79-01-6	Trichloroethylene	ND	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	ug/l	
75-01-4	Vinyl chloride	ND	0.50	ug/l	
	m,p-Xylene	ND	0.50	ug/l	
95-47-6	o-Xylene	ND	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
2199-69-1	1,2-Dichlorobenzene-d4	83%	70-130%
460-00-4	4-Bromofluorobenzene	80%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK608-BS	K17758.D	1	12/14/06	AA	n/a	n/a	MSK608

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

M61458-1, M61458-2, M61458-3, M61458-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	5	5.3	106	70-130
108-86-1	Bromobenzene	5	5.1	102	70-130
74-97-5	Bromochloromethane	5	5.4	108	70-130
75-27-4	Bromodichloromethane	5	5.5	110	70-130
75-25-2	Bromoform	5	4.8	96	70-130
74-83-9	Bromomethane	5	5.4	108	70-130
104-51-8	n-Butylbenzene	5	5.3	106	70-130
135-98-8	sec-Butylbenzene	5	5.3	106	70-130
98-06-6	tert-Butylbenzene	5	5.4	108	70-130
108-90-7	Chlorobenzene	5	5.0	100	70-130
75-00-3	Chloroethane	5	5.5	110	70-130
67-66-3	Chloroform	5	5.6	112	70-130
74-87-3	Chloromethane	5	5.5	110	70-130
95-49-8	o-Chlorotoluene	5	5.1	102	70-130
106-43-4	p-Chlorotoluene	5	5.4	108	70-130
56-23-5	Carbon tetrachloride	5	5.5	110	70-130
75-34-3	1,1-Dichloroethane	5	5.3	106	70-130
75-35-4	1,1-Dichloroethylene	5	6.0	120	70-130
563-58-6	1,1-Dichloropropene	5	5.5	110	70-130
96-12-8	1,2-Dibromo-3-chloropropane	5	5.9	118	70-130
106-93-4	1,2-Dibromoethane	5	5.3	106	70-130
107-06-2	1,2-Dichloroethane	5	6.3	126	70-130
78-87-5	1,2-Dichloropropane	5	5.3	106	70-130
142-28-9	1,3-Dichloropropane	5	5.5	110	70-130
594-20-7	2,2-Dichloropropane	5	5.6	112	70-130
124-48-1	Dibromochloromethane	5	5.3	106	70-130
74-95-3	Dibromomethane	5	5.4	108	70-130
75-71-8	Dichlorodifluoromethane	5	5.5	110	70-130
10061-01-5	cis-1,3-Dichloropropene	5	5.5	110	70-130
541-73-1	m-Dichlorobenzene	5	5.3	106	70-130
95-50-1	o-Dichlorobenzene	5	5.5	110	70-130
106-46-7	p-Dichlorobenzene	5	5.6	112	70-130
156-60-5	trans-1,2-Dichloroethylene	5	5.7	114	70-130
156-59-2	cis-1,2-Dichloroethylene	5	5.0	100	70-130
10061-02-6	trans-1,3-Dichloropropene	5	5.7	114	70-130
100-41-4	Ethylbenzene	5	5.2	104	70-130

Blank Spike Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK608-BS	K17758.D	1	12/14/06	AA	n/a	n/a	MSK608

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

M61458-1, M61458-2, M61458-3, M61458-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	5	5.5	110	70-130
98-82-8	Isopropylbenzene	5	5.2	104	70-130
99-87-6	p-Isopropyltoluene	5	5.2	104	70-130
75-09-2	Methylene chloride	5	5.0	100	70-130
1634-04-4	Methyl Tert Butyl Ether	5	5.5	110	70-130
91-20-3	Naphthalene	5	7.0	140* [a]	70-130
103-65-1	n-Propylbenzene	5	5.2	104	70-130
100-42-5	Styrene	5	5.1	102	70-130
630-20-6	1,1,1,2-Tetrachloroethane	5	5.6	112	70-130
71-55-6	1,1,1-Trichloroethane	5	5.7	114	70-130
79-34-5	1,1,2,2-Tetrachloroethane	5	5.8	116	70-130
79-00-5	1,1,2-Trichloroethane	5	5.6	112	70-130
87-61-6	1,2,3-Trichlorobenzene	5	7.7	154* [a]	70-130
96-18-4	1,2,3-Trichloropropane	5	4.7	94	70-130
120-82-1	1,2,4-Trichlorobenzene	5	6.3	126	70-130
95-63-6	1,2,4-Trimethylbenzene	5	5.2	104	70-130
108-67-8	1,3,5-Trimethylbenzene	5	5.3	106	70-130
127-18-4	Tetrachloroethylene	5	5.3	106	70-130
108-88-3	Toluene	5	5.2	104	70-130
79-01-6	Trichloroethylene	5	5.3	106	70-130
75-69-4	Trichlorofluoromethane	5	6.0	120	70-130
75-01-4	Vinyl chloride	5	5.4	108	70-130
	m,p-Xylene	10	10.3	103	70-130
95-47-6	o-Xylene	5	5.1	102	70-130
1330-20-7	Xylenes (total)	15	15.4	103	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
2199-69-1	1,2-Dichlorobenzene-d4	102%	70-130%
460-00-4	4-Bromofluorobenzene	110%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.

Duplicate Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M61486-2DUP	K17776.D	1	12/14/06	AA	n/a	n/a	MSK608
M61486-2	K17771.D	1	12/14/06	AA	n/a	n/a	MSK608

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

M61458-1, M61458-2, M61458-3, M61458-4

CAS No.	Compound	M61486-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
71-43-2	Benzene	ND		ND		nc	30
108-86-1	Bromobenzene	ND		ND		nc	30
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	30
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	30
104-51-8	n-Butylbenzene	ND		ND		nc	30
135-98-8	sec-Butylbenzene	ND		ND		nc	30
98-06-6	tert-Butylbenzene	ND		ND		nc	30
108-90-7	Chlorobenzene	ND		ND		nc	30
75-00-3	Chloroethane	ND		ND		nc	30
67-66-3	Chloroform	ND		ND		nc	30
74-87-3	Chloromethane	ND		ND		nc	30
95-49-8	o-Chlorotoluene	ND		ND		nc	30
106-43-4	p-Chlorotoluene	ND		ND		nc	30
56-23-5	Carbon tetrachloride	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	30
75-35-4	1,1-Dichloroethylene	ND		ND		nc	30
563-58-6	1,1-Dichloropropene	ND		ND		nc	30
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
107-06-2	1,2-Dichloroethane	ND		ND		nc	30
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
142-28-9	1,3-Dichloropropane	ND		ND		nc	30
594-20-7	2,2-Dichloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	30
74-95-3	Dibromomethane	ND		ND		nc	30
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
541-73-1	m-Dichlorobenzene	ND		ND		nc	30
95-50-1	o-Dichlorobenzene	ND		ND		nc	30
106-46-7	p-Dichlorobenzene	1.0		1.1		10	30
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	30
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	30

Duplicate Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M61486-2DUP	K17776.D	1	12/14/06	AA	n/a	n/a	MSK608
M61486-2	K17771.D	1	12/14/06	AA	n/a	n/a	MSK608

The QC reported here applies to the following samples: **Method:** EPA 524.2 REV 4.1

M61458-1, M61458-2, M61458-3, M61458-4

CAS No.	Compound	M61486-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
87-68-3	Hexachlorobutadiene	ND		ND		nc	30
98-82-8	Isopropylbenzene	ND		ND		nc	30
99-87-6	p-Isopropyltoluene	ND		ND		nc	30
75-09-2	Methylene chloride	ND		ND		nc	30
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	30
91-20-3	Naphthalene	ND		ND		nc	30
103-65-1	n-Propylbenzene	ND		ND		nc	30
100-42-5	Styrene	ND		ND		nc	30
630-20-6	1,1,1,2-Tetrachloroethane	ND		ND		nc	30
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	30
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	30
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	30
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	30
96-18-4	1,2,3-Trichloropropane	ND		ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	30
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	30
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	30
127-18-4	Tetrachloroethylene	ND		ND		nc	30
108-88-3	Toluene	ND		ND		nc	30
79-01-6	Trichloroethylene	ND		ND		nc	30
75-69-4	Trichlorofluoromethane	ND		ND		nc	30
75-01-4	Vinyl chloride	ND		ND		nc	30
	m,p-Xylene	ND		ND		nc	30
95-47-6	o-Xylene	ND		ND		nc	30
1330-20-7	Xylenes (total)	ND		ND		nc	30

CAS No.	Surrogate Recoveries	DUP	M61486-2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	102%	98%	70-130%
460-00-4	4-Bromofluorobenzene	94%	103%	70-130%

Instrument Performance Check (BFB)

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSK605-BFB
Lab File ID: K17682.D
Instrument ID: GCMSK
Injection Date: 12/09/06
Injection Time: 12:07

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	3706	22.9		Pass
75	30.0 - 60.0% of mass 95	8941	55.2		Pass
95	Base peak, 100% relative abundance	16197	100.0		Pass
96	5.0 - 9.0% of mass 95	1137	7.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 100.0% of mass 95	12293	75.9		Pass
175	5.0 - 9.0% of mass 174	1019	6.3	(8.3) [a]	Pass
176	95.0 - 101.0% of mass 174	12319	76.1	(100.2) [a]	Pass
177	5.0 - 9.0% of mass 176	644	4.0	(5.2) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSK605-IC605	K17683.D	12/09/06	12:27	00:20	Initial cal 0.5
MSK605-IC605	K17684.D	12/09/06	13:48	01:41	Initial cal 1.0
MSK605-IC605	K17685.D	12/09/06	14:15	02:08	Initial cal 2.0
MSK605-IC605	K17686.D	12/09/06	14:43	02:36	Initial cal 5.0
MSK605-IC605	K17687.D	12/09/06	15:10	03:03	Initial cal 50
MSK605-IC605	K17688.D	12/09/06	15:41	03:34	Initial cal 40
MSK605-IC605	K17689.D	12/09/06	16:09	04:02	Initial cal 20
MSK605-ICC605	K17690.D	12/09/06	16:36	04:29	Initial cal 10
MSK605-ICV605	K17691.D	12/09/06	17:03	04:56	Initial cal verification 5
MSK605-BS	K17692.D	12/09/06	17:35	05:28	Blank Spike
MSK605-MB	K17694.D	12/09/06	18:30	06:23	Method Blank
ZZZZZZ	K17695.D	12/09/06	18:57	06:50	(unrelated sample)
M61278-2	K17696.D	12/09/06	19:28	07:21	(used for QC only; not part of job M61458)
M61278-2DUP	K17697.D	12/09/06	19:56	07:49	Duplicate
ZZZZZZ	K17698.D	12/09/06	20:23	08:16	(unrelated sample)
ZZZZZZ	K17699.D	12/09/06	20:51	08:44	(unrelated sample)
ZZZZZZ	K17700.D	12/09/06	21:22	09:15	(unrelated sample)
ZZZZZZ	K17701.D	12/09/06	21:50	09:43	(unrelated sample)
ZZZZZZ	K17702.D	12/09/06	22:18	10:11	(unrelated sample)
ZZZZZZ	K17703.D	12/09/06	22:45	10:38	(unrelated sample)
ZZZZZZ	K17704.D	12/09/06	23:16	11:09	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSK608-BFB
Lab File ID: K17756.D
Instrument ID: GCMSK
Injection Date: 12/14/06
Injection Time: 10:21

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	2990	24.3		Pass
75	30.0 - 60.0% of mass 95	7009	56.9		Pass
95	Base peak, 100% relative abundance	12308	100.0		Pass
96	5.0 - 9.0% of mass 95	1020	8.3		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 100.0% of mass 95	9453	76.8		Pass
175	5.0 - 9.0% of mass 174	743	6.0	(7.9) [a]	Pass
176	95.0 - 101.0% of mass 174	9545	77.6	(101.0) [a]	Pass
177	5.0 - 9.0% of mass 176	676	5.5	(7.1) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSK608-CC605	K17757.D	12/14/06	10:35	00:14	Continuing cal 5
MSK608-BS	K17758.D	12/14/06	11:03	00:42	Blank Spike
MSK608-MB	K17760.D	12/14/06	12:11	01:50	Method Blank
ZZZZZZ	K17761.D	12/14/06	12:39	02:18	(unrelated sample)
M61458-1	K17762.D	12/14/06	13:07	02:46	34 MILL STREET
M61458-2	K17763.D	12/14/06	13:38	03:17	35B MILL STREET
M61458-3	K17764.D	12/14/06	14:06	03:45	38 MILL STREET
M61458-4	K17765.D	12/14/06	14:34	04:13	40 MILL STREET
ZZZZZZ	K17766.D	12/14/06	15:02	04:41	(unrelated sample)
ZZZZZZ	K17767.D	12/14/06	15:33	05:12	(unrelated sample)
ZZZZZZ	K17768.D	12/14/06	16:00	05:39	(unrelated sample)
ZZZZZZ	K17769.D	12/14/06	16:28	06:07	(unrelated sample)
ZZZZZZ	K17770.D	12/14/06	16:55	06:34	(unrelated sample)
M61486-2	K17771.D	12/14/06	17:27	07:06	(used for QC only; not part of job M61458)
ZZZZZZ	K17772.D	12/14/06	17:54	07:33	(unrelated sample)
ZZZZZZ	K17773.D	12/14/06	18:21	08:00	(unrelated sample)
ZZZZZZ	K17774.D	12/14/06	18:49	08:28	(unrelated sample)
ZZZZZZ	K17775.D	12/14/06	19:20	08:59	(unrelated sample)
M61486-2DUP	K17776.D	12/14/06	19:48	09:27	Duplicate

Volatile Internal Standard/Surrogate Area Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Check Std:	MSK608-CC605	**Injection Date:**	12/14/06
Lab File ID:	K17757.D	**Injection Time:**	10:35
Instrument ID:	GCMSK	**Method:**	EPA 524.2 REV 4.1

	IS 1 AREA	RT	Surr 2 AREA	RT	Surr 3 AREA	RT
Initial Cal [a]	42556	10.03	18171	16.21	19359	14.50
Previous Check [b]	32275	10.02	13929	16.21	14967	14.50
Check Std [c]	28449	10.03	13652	16.22	13776	14.51
Upper Limit [d]	56898	10.53	27304	16.72	27552	15.01
Lower Limit [e]	14225	9.53	6826	15.72	6888	14.01

Lab Sample ID	IS 1 AREA	RT	Surr 2 AREA	RT	Surr 3 AREA	RT
MSK608-BS	28498	10.02	12682	16.22	15503	14.51
MSK608-MB	28154	10.03	10134	16.22	11194	14.52
ZZZZZZ	27232	10.02	11660	16.21	12518	14.52
M61458-1	27205	10.02	10699	16.22	10903	14.52
M61458-2	27194	10.03	10388	16.21	12244	14.51
M61458-3	26466	10.03	11527	16.21	11639	14.52
M61458-4	27044	10.03	10481	16.21	12033	14.51
ZZZZZZ	27913	10.03	9596	16.22	11714	14.52
ZZZZZZ	27094	10.02	10624	16.21	11993	14.51
ZZZZZZ	26300	10.03	11715	16.22	12221	14.51
ZZZZZZ	26543	10.02	10333	16.22	12003	14.52
ZZZZZZ	25001	10.03	10821	16.21	12844	14.51
M61486-2	23551	10.02	10019	16.22	12006	14.51
ZZZZZZ	25482	10.03	10653	16.22	10981	14.51
ZZZZZZ	26361	10.03	10041	16.22	12236	14.52
ZZZZZZ	26298	10.03	9882	16.22	11246	14.51
ZZZZZZ	25494	10.02	10023	16.22	11935	14.51
M61486-2DUP	25179	10.03	11188	16.22	11757	14.51

IS 1 = Fluorobenzene
Surr 2 = 1,2-Dichlorobenzene-d4
Surr 3 = 4-Bromofluorobenzene

(a) Initial Cal is: MSK605-ICC605 K17690.D 12/09/06 16:36
(b) Previous Check is: MSK607-CC605 K17732.D 12/12/06 14:31
(c) Check Std Lower Limit = -30% of previous check area; -50% of initial cal area.
(d) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(e) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Method: EPA 524.2 REV 4.1 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
M61458-1	K17762.D	90.0	81.0
M61458-2	K17763.D	88.0	91.0
M61458-3	K17764.D	100.0	89.0
M61458-4	K17765.D	89.0	90.0
M61486-2DUP	K17776.D	102.0	94.0
MSK608-BS	K17758.D	102.0	110.0
MSK608-MB	K17760.D	83.0	80.0

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichlorobenzene-d4	70-130%
S2 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSK605-ICC605
Lab FileID: K17690.D

Response Factor Report Instrumen

Method : C:\MSDCHEM\1\METHODS\K120906.M (RTE Integrator)
Title : Method 524
Last Update : Mon Dec 11 09:24:17 2006
Response via : Initial Calibration

Calibration Files
10 =K17690.D 2 =K17685.D 1 =K17684.D 0.5 =K17683.D
50 =K17687.D 20 =K17689.D 40 =K17688.D 5 =K17686.D

Compound	10	2	1	0.5	50	20	40	5	Avg	%RSD
1) I fluorobenzene	----------ISTD----------									
2) dichlorodifl	0.332	0.343	0.365	0.325	0.416	0.349	0.408	0.361	0.362	9.26
3) chloromethan	0.383	0.468	0.622	0.546	0.383	0.388	0.450	0.445	0.461	18.55
4) vinyl chlori	0.340	0.355	0.250	0.292	0.339	0.325	0.367	0.395	0.333	13.55
5) bromomethane	0.240	0.283	0.310	0.262	0.229	0.246	0.259	0.286	0.264	10.29
6) Ethanol	0.004	0.005	0.005	0.005	0.005	0.004	0.005	0.004	0.005	9.33
7) chloroethane	0.222	0.238	0.182	0.222	0.238	0.228	0.258	0.241	0.229	9.72
8) acetone	0.169	0.184	0.159	0.168		0.143	0.246	0.157	0.175	19.22
9) ethyl ether	0.233	0.238	0.242	0.170	0.244	0.173	0.253	0.232	0.223	14.56
10) trichloroflu	0.443	0.493	0.520	0.460	0.487	0.362	0.591	0.489	0.480	13.60
11) 1,1-dichloro	0.310	0.316	0.276	0.225	0.291	0.225	0.317	0.334	0.287	14.68
12) methylene ch	0.350	0.570	0.796	2.224	0.349	0.283	0.382	0.451	0.676	95.69
----- Quadratic regression ----- Coefficient = 0.9894										
Response Ratio = 0.67519 + 0.26267 *A + 0.00174 *A^2										
13) tertiary but	0.038	0.037	0.038	0.043	0.044	0.032	0.046	0.042	0.040	11.45
14) carbon disul	0.811	0.948	0.974	0.862	0.987	0.632	0.986	0.953	0.894	13.79
15) trans-1,2-di	0.195	0.239	0.197	0.220	0.178	0.129	0.185	0.198	0.193	16.76
16) Methyl tert	0.747	0.715	0.788	0.705	0.756	0.546	0.796	0.797	0.731	11.30
17) 1,1-dichloro	0.508	0.521	0.544	0.633	0.498	0.488	0.552	0.558	0.538	8.61
18) 2-butanone	0.051	0.058	0.054	0.035	0.066	0.051	0.072	0.067	0.057	20.56
----- Quadratic regression ----- Coefficient = 0.9901										
Response Ratio = -0.01110 + 0.05448 *A + 0.00029 *A^2										
19) di-isopropyl	1.087	1.073	1.232	1.160	1.081	0.781	1.112	1.158	1.085	12.37
20) tert-butyl e	0.747	0.677	0.738	0.850	0.807	0.559	0.845	0.803	0.753	13.00
21) 2,2-dichloro	0.203	0.238	0.232	0.270	0.229	0.136	0.231	0.205	0.218	17.90
22) cis-1,2-dich	0.283	0.293	0.286	0.369	0.287	0.233	0.308	0.293	0.294	12.67
23) tetrahydrofu	0.113	0.114	0.147	0.186	0.121	0.099	0.126	0.138	0.131	20.67
----- Linear regression ----- Coefficient = 0.9938										
Response Ratio = -0.03643 + 0.12195 *A										
24) bromochlorom	0.121	0.121	0.136	0.138	0.131	0.111	0.143	0.127	0.129	8.36
25) chloroform	0.563	0.580	0.678	0.703	0.606	0.466	0.623	0.609	0.603	12.05
26) 1,1,1-trichl	0.368	0.384	0.414	0.475	0.363	0.269	0.365	0.390	0.379	15.22
27) carbon tetra	0.300	0.302	0.295	0.403	0.321	0.227	0.329	0.315	0.311	15.56
28) 1,1-dichloro	0.412	0.437	0.483	0.538	0.436	0.301	0.446	0.431	0.436	15.44
29) benzene	1.211	1.207	1.432	1.388	1.269	0.914	1.352	1.253	1.253	12.75
30) 1,2-dichloro	0.560	0.619	0.632	0.705	0.637	0.427	0.631	0.646	0.607	13.63
31) tert-amyl me	0.613	0.575	0.599	0.719	0.679	0.461	0.722	0.648	0.627	13.73
32) trichloroeth	0.320	0.333	0.398	0.331	0.341	0.245	0.358	0.299	0.328	13.52
33) 1,2-dichloro	0.321	0.318	0.359	0.382	0.337	0.248	0.359	0.339	0.333	12.09
34) dibromometha	0.217	0.224	0.236	0.284	0.233	0.168	0.242	0.239	0.230	14.00
35) bromodichlor	0.500	0.500	0.506	0.565	0.556	0.379	0.582	0.530	0.515	12.28
36) cis-1,3-dich	0.522	0.475	0.530	0.516	0.587	0.406	0.610	0.525	0.521	12.07
37) 4-methyl-2-p	0.400	0.452	0.469	0.512	0.465	0.327	0.475	0.451	0.444	12.75

Initial Calibration Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSK605-ICC605
Lab FileID: K17690.D

38)	toluene	0.784	0.799	0.876	0.848	0.832	0.601	0.889	0.822	0.806	11.22
39)	trans-1,3-di	0.463	0.416	0.413	0.440	0.549	0.364	0.560	0.461	0.458	14.65
40)	4-bromofluor	0.455	0.462	0.494	0.453	0.570	0.498	0.549	0.490	0.496	8.70
41)	1,1,2-Trichl	0.269	0.278	0.314	0.292	0.294	0.216	0.310	0.291	0.283	10.92
42)	tetrachloroe	0.307	0.291	0.302	0.363	0.326	0.223	0.341	0.305	0.307	13.47
43)	1,3-dichloro	0.544	0.537	0.596	0.570	0.598	0.429	0.620	0.576	0.559	10.63
44)	2-hexanone	0.379	0.407	0.409	0.321	0.471	0.331	0.479	0.426	0.403	14.38
45)	dibromochlor	0.291	0.272	0.304	0.314	0.347	0.233	0.355	0.298	0.302	13.02
46)	1,2-dibromoe	0.285	0.274	0.288	0.323	0.325	0.225	0.334	0.291	0.293	12.07
47)	chlorobenzen	0.786	0.815	0.832	0.859	0.869	0.615	0.915	0.829	0.815	10.99
48)	1,1,1,2-tetr	0.267	0.283	0.287	0.324	0.298	0.204	0.307	0.277	0.281	12.81
49)	ethylbenzene	1.612	1.661	1.853	1.628	1.828	1.263	1.921	1.695	1.683	12.14
50)	m,p-xylene	0.560	0.571	0.609	0.578		0.434	0.652	0.583	0.570	11.77
51)	o-xylene	0.556	0.556	0.603	0.654	0.629	0.436	0.655	0.577	0.583	12.27
52)	styrene	0.977	0.874	0.910	0.894	1.139	0.772	1.191	0.968	0.965	14.39
53)	bromoform	0.226	0.215	0.195	0.203	0.284	0.184	0.295	0.227	0.228	17.72
54)	isopropylben	1.427	1.482	1.634	1.586	1.649	1.098	1.701	1.496	1.509	12.64
55)	bromobenzene	0.383	0.375	0.366	0.363	0.434	0.300	0.447	0.397	0.383	11.84
56)	1,1,2,2-tetr	0.410	0.395	0.431	0.471	0.450	0.324	0.470	0.413	0.421	11.42
57)	1,2,3-trichl	0.494	0.496	0.516	0.567	0.606	0.413	0.625	0.526	0.531	12.87
58)	n-propylbenz	2.059	2.103	2.212	2.111	2.419	1.613	2.491	2.140	2.143	12.37
59)	2-chlorotolu	0.343	0.365	0.351	0.364	0.387	0.264	0.405	0.365	0.355	11.73
60)	4-chlorotolu	1.402	1.384	1.341	1.343	1.628	1.081	1.669	1.455	1.413	12.97
61)	1,3,5-trimet	1.494	1.519	1.634	1.560	1.752	1.156	1.789	1.567	1.559	12.45
62)	tert-butylbe	0.940	1.022	1.107	1.034	1.110	0.712	1.119	0.959	1.000	13.50
63)	1,2,4-trimet	1.546	1.501	1.506	1.556	1.829	1.210	1.871	1.622	1.580	13.07
64)	sec-butylben	1.818	1.888	1.948	1.747	2.162	1.384	2.195	1.893	1.879	13.51
65)	1,3-dichloro	0.738	0.728	0.703	0.653	0.866	0.581	0.900	0.751	0.740	14.07
66)	4-isopropylt	1.327	1.283	1.401	1.343	1.546	1.023	1.589	1.343	1.357	12.74
67)	1,4-dichloro	0.768	0.721	0.752	0.670	0.856	0.606	0.896	0.740	0.751	12.42
68)	1,2-dichloro	0.729	0.689	0.744	0.628	0.858	0.577	0.884	0.729	0.730	14.23
69)	1,2-dichloro	0.427	0.389	0.385	0.378	0.510	0.443	0.493	0.451	0.435	11.41
70)	n-butylbenze	1.507	1.466	1.485	1.320	1.863	1.174	1.906	1.529	1.531	16.19
71)	1,2-dibromo-	0.094	0.104	0.095	0.134	0.114	0.074	0.113	0.093	0.103	17.47
72)	1,2,4-trichl	0.363	0.235	0.206	0.139	0.453	0.306	0.487	0.293	0.310	38.62

----- Quadratic regression ----- Coefficient = 0.9890
Response Ratio = -0.23634 + 0.32955 *A + 0.00295 *A^2

73)	hexachlorobu	0.270	0.264	0.283	0.263	0.301	0.188	0.315	0.262	0.268	14.09
74)	naphthalene	0.638	0.341	0.319	0.179		0.567	0.885	0.451	0.483	48.84

----- Quadratic regression ----- Coefficient = 0.9965
Response Ratio = 0.14642 + 0.34569 *A + 0.01329 *A^2

75)	1,2,3-trichl	0.155	0.226	0.083	0.042		0.137	0.226	0.110	0.140	49.49

----- Quadratic regression ----- Coefficient = 0.9956
Response Ratio = 0.13901 + 0.06629 *A + 0.00387 *A^2

(#) = Out of Range ### Number of calibration levels exceeded format ###

K120906.M Mon Dec 11 10:49:22 2006 MSK

Initial Calibration Verification

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSK605-ICV605
Lab FileID: K17691.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\K17691.D Vial: 9
Acq On : 9 Dec 2006 5:03 pm Operator: AkinA
Sample : icv605-5 Inst : Instrumen
Misc : ms12743,msk605,w,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\K120906.M (RTE Integrator)
Title : Method 524
Last Update : Mon Dec 11 09:24:17 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	fluorobenzene	1.000	1.000	0.0	116	0.00	10.03
2	T	dichlorodifluoromethane	0.362	0.348	3.9	112	0.01	4.38
3	P	chloromethane	0.461	0.429	6.9	112	-0.01	4.69
4	T	vinyl chloride	0.333	0.324	2.7	95	0.00	4.88
5	T	bromomethane	0.264	0.283	-7.2	115	0.02	5.41
6		Ethanol	0.005	0.004	20.0	110	0.01	5.57
7	T	chloroethane	0.229	0.222	3.1	107	0.00	5.56
8		acetone	0.175	0.159	9.1	117	0.01	6.38
9		ethyl ether	0.223	0.233	-4.5	117	0.00	6.46
10	T	trichlorofluoromethane	0.480	0.472	1.7	112	0.00	6.22
11	T	1,1-dichloroethene	0.287	0.314	-9.4	109	0.00	6.80
		----------	True	Calc.	% Drift	----------		
12	T	methylene chloride	5.000	5.592	-11.8	113	0.00	6.95
		----------	AvgRF	CCRF	% Dev	----------		
13	T	tertiary butyl alcohol	0.040	0.041	-2.5	114	0.01	6.82
14		carbon disulfide	0.894	0.850	4.9	104	0.00	7.24
15	T	trans-1,2-dichloroethene	0.193	0.207	-7.3	122	0.00	7.65
16	T	Methyl tert butyl ether	0.731	0.746	-2.1	109	0.00	7.74
17	P	1,1-dichloroethane	0.538	0.482	10.4	100	0.00	7.90
		----------	True	Calc.	% Drift	----------		
18		2-butanone	5.000	5.287	-5.7	99	0.00	8.33
		----------	AvgRF	CCRF	% Dev	----------		
19		di-isopropyl ether	1.085	1.086	-0.1	109	0.00	8.30
20		tert-butyl ethyl ether	0.753	0.745	1.1	108	0.00	8.69
21	T	2,2-dichloropropane	0.218	0.178	18.3	101	0.00	8.76
22	T	cis-1,2-dichloroethene	0.294	0.269	8.5	107	0.00	8.47
		----------	True	Calc.	% Drift	----------		
23		tetrahydrofuran	5.000	4.775	4.5	92	0.00	9.01
		----------	AvgRF	CCRF	% Dev	----------		
24	T	bromochloromethane	0.129	0.121	6.2	110	0.00	8.64
25	T	chloroform	0.603	0.556	7.8	106	0.00	8.68
26	T	1,1,1-trichloroethane	0.379	0.348	8.2	104	0.00	9.42
27	T	carbon tetrachloride	0.311	0.285	8.4	105	0.00	9.79
28	T	1,1-dichloropropene	0.436	0.400	8.3	108	0.00	9.61
29	T	benzene	1.253	1.187	5.3	110	0.00	9.83
30	T	1,2-dichloroethane	0.607	0.551	9.2	99	0.00	9.33

Initial Calibration Verification

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSK605-ICV605
Lab FileID: K17691.D

31		tert-amyl methyl ether	0.627	0.622	0.8	111	0.00	9.95
32	T	trichloroethene	0.328	0.298	9.1	116	0.00	10.44
33	T	1,2-dichloropropane	0.333	0.323	3.0	111	0.00	10.41
34	T	dibromomethane	0.230	0.210	8.7	102	0.00	10.39
35	T	bromodichloromethane	0.515	0.465	9.7	102	0.00	10.50
36	T	cis-1,3-dichloropropene	0.521	0.495	5.0	109	0.00	11.12
37		4-methyl-2-pentanone	0.444	0.414	6.8	106	0.00	11.21
38	T	toluene	0.806	0.751	6.8	106	0.00	11.90
39	T	trans-1,3-dichloropropene	0.458	0.437	4.6	110	0.00	11.54
40	S	4-bromofluorobenzene (S)	0.496	0.461	7.1	109	0.00	14.51
41	T	1,1,2-Trichloroethane	0.283	0.273	3.5	109	0.00	11.70
42	T	tetrachloroethene	0.307	0.296	3.6	113	0.00	12.63
43	T	1,3-dichloropropane	0.559	0.537	3.9	108	0.00	11.94
44		2-hexanone	0.403	0.380	5.7	103	0.00	12.07
45	T	dibromochloromethane	0.302	0.278	7.9	108	0.00	12.24
46	T	1,2-dibromoethane	0.293	0.276	5.8	110	0.00	12.49
47	P	chlorobenzene	0.815	0.769	5.6	108	0.00	13.32
48	T	1,1,1,2-tetrachloroethane	0.281	0.260	7.5	109	0.00	13.23
49	T	ethylbenzene	1.683	1.601	4.9	110	0.00	13.49
50	T	m,p-xylene	0.570	0.542	4.9	108	0.00	13.68
51	T	o-xylene	0.583	0.569	2.4	114	0.00	14.09
52	T	styrene	0.965	0.921	4.6	110	0.00	14.01
53	P	bromoform	0.228	0.206	9.6	106	0.00	13.84
54	T	isopropylbenzene	1.509	1.381	8.5	107	0.00	14.45
55	T	bromobenzene	0.383	0.366	4.4	107	0.00	14.74
56	P	1,1,2,2-tetrachloroethane	0.421	0.391	7.1	110	0.00	14.08
57	T	1,2,3-trichloropropane	0.531	0.478	10.0	105	0.00	14.23
58	T	n-propylbenzene	2.143	2.015	6.0	109	0.00	14.90
59	T	2-chlorotoluene	0.355	0.331	6.8	105	0.00	15.02
60	T	4-chlorotoluene	1.413	1.362	3.6	109	0.00	15.09
61	T	1,3,5-trimethylbenzene	1.559	1.437	7.8	106	0.00	15.17
62	T	tert-butylbenzene	1.000	0.908	9.2	110	0.00	15.48
63	T	1,2,4-trimethylbenzene	1.580	1.515	4.1	108	0.00	15.58
64	T	sec-butylbenzene	1.879	1.711	8.9	105	0.00	15.70
65	T	1,3-dichlorobenzene	0.740	0.731	1.2	113	0.00	15.81
66	T	4-isopropyltoluene	1.357	1.271	6.3	110	0.00	15.87
67	T	1,4-dichlorobenzene	0.751	0.735	2.1	115	0.00	15.87
68	T	1,2-dichlorobenzene	0.730	0.710	2.7	113	0.00	16.24
69	S	1,2-dichlorobenzene-d4 (S	0.435	0.402	7.6	103	0.00	16.22
70	T	n-butylbenzene	1.531	1.453	5.1	110	0.00	16.29
71	T	1,2-dibromo-3-chloropropa	0.103	0.098	4.9	122	0.00	16.72
		----------	True	Calc.	% Drift	----------		
72	T	1,2,4-trichlorobenzene	5.000	5.725	-14.5	139	0.00	18.08
		----------	AvgRF	CCRF	% Dev	----------		
73	T	hexachlorobutadiene	0.268	0.258	3.7	115	0.00	18.37
		----------	True	Calc.	% Drift	----------		
74	T	naphthalene	5.000	6.150	-23.0	143	0.00	18.35
75	T	1,2,3-trichlorobenzene	5.000	5.865	-17.3	140	0.00	18.56

(0.0 %) 0 of 74 compounds'%D > 30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
K17686.D K120906.M Mon Dec 11 10:48:57 2006 MSK

5.7 5

Continuing Calibration Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSK608-CC605
Lab FileID: K17757.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\K17757.D Vial: 1
Acq On : 14 Dec 2006 10:35 am Operator: AkinA
Sample : cc605-5 Inst : Instrumen
Misc : ms12763,msk608,w,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\K120906.M (RTE Integrator)
Title : Method 524
Last Update : Mon Dec 11 09:24:17 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	fluorobenzene	1.000	1.000	0.0	81	0.00	10.03
2	T	dichlorodifluoromethane	0.362	0.420	-16.0	95	0.01	4.37
3	P	chloromethane	0.461	0.543	-17.8	99	0.04	4.74
4	T	vinyl chloride	0.333	0.352	-5.7	73	0.01	4.89
5	T	bromomethane	0.264	0.277	-4.9	79	0.00	5.40
6		Ethanol	0.005	0.004	20.0	80	0.00	5.56
7	T	chloroethane	0.229	0.234	-2.2	79	0.00	5.57
8		acetone	0.175	0.192	-9.7	99	0.01	6.38
9		ethyl ether	0.223	0.252	-13.0	89	0.00	6.46
10	T	trichlorofluoromethane	0.480	0.455	5.2	76	0.00	6.23
11	T	1,1-dichloroethene	0.287	0.330	-15.0	80	0.00	6.80
		----------	True	Calc.	% Drift	----------		
12	T	methylene chloride	5.000	5.105	-2.1	74	0.01	6.96
		----------	AvgRF	CCRF	% Dev	----------		
13	T	tertiary butyl alcohol	0.040	0.048	-20.0	94	0.01	6.82
14		carbon disulfide	0.894	0.959	-7.3	82	0.00	7.24
15	T	trans-1,2-dichloroethene	0.193	0.210	-8.8	86	0.01	7.66
16	T	Methyl tert butyl ether	0.731	0.839	-14.8	86	0.00	7.74
17	P	1,1-dichloroethane	0.538	0.559	-3.9	82	0.00	7.91
		----------	True	Calc.	% Drift	----------		
18		2-butanone	5.000	6.429	-28.6	85	0.00	8.34
		----------	AvgRF	CCRF	% Dev	----------		
19		di-isopropyl ether	1.085	1.197	-10.3	84	0.00	8.30
20		tert-butyl ethyl ether	0.753	0.884	-17.4	90	0.00	8.70
21	T	2,2-dichloropropane	0.218	0.236	-8.3	94	0.00	8.76
22	T	cis-1,2-dichloroethene	0.294	0.317	-7.8	88	0.00	8.48
		----------	True	Calc.	% Drift	----------		
23		tetrahydrofuran	5.000	5.185	-3.7	70	0.01	9.01
		----------	AvgRF	CCRF	% Dev	----------		
24	T	bromochloromethane	0.129	0.135	-4.7	87	0.01	8.65
25	T	chloroform	0.603	0.649	-7.6	87	0.00	8.68
26	T	1,1,1-trichloroethane	0.379	0.414	-9.2	86	0.00	9.43
27	T	carbon tetrachloride	0.311	0.346	-11.3	89	0.00	9.79
28	T	1,1-dichloropropene	0.436	0.462	-6.0	87	0.00	9.61
29	T	benzene	1.253	1.288	-2.8	84	0.00	9.83
30	T	1,2-dichloroethane	0.607	0.734	-20.9	93	0.00	9.33

Continuing Calibration Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSK608-CC605
Lab FileID: K17757.D

31		tert-amyl methyl ether	0.627	0.699	-11.5	88	0.00	9.95
32	T	trichloroethene	0.328	0.338	-3.0	92	0.01	10.45
33	T	1,2-dichloropropane	0.333	0.348	-4.5	83	0.00	10.41
34	T	dibromomethane	0.230	0.246	-7.0	84	0.00	10.39
35	T	bromodichloromethane	0.515	0.602	-16.9	92	0.00	10.50
36	T	cis-1,3-dichloropropene	0.521	0.557	-6.9	86	0.00	11.11
37		4-methyl-2-pentanone	0.444	0.460	-3.6	83	0.00	11.20
38	T	toluene	0.806	0.789	2.1	78	0.00	11.90
39	T	trans-1,3-dichloropropene	0.458	0.468	-2.2	83	0.00	11.53
40	S	4-bromofluorobenzene (S)	0.496	0.484	2.4	81	0.00	14.51
41	T	1,1,2-Trichloroethane	0.283	0.302	-6.7	85	0.00	11.71
42	T	tetrachloroethene	0.307	0.326	-6.2	87	0.00	12.63
43	T	1,3-dichloropropane	0.559	0.613	-9.7	87	0.00	11.94
44		2-hexanone	0.403	0.452	-12.2	86	0.01	12.07
45	T	dibromochloromethane	0.302	0.324	-7.3	88	0.00	12.24
46	T	1,2-dibromoethane	0.293	0.309	-5.5	86	0.00	12.49
47	P	chlorobenzene	0.815	0.837	-2.7	82	0.00	13.32
48	T	1,1,1,2-tetrachloroethane	0.281	0.282	-0.4	83	0.00	13.23
49	T	ethylbenzene	1.683	1.722	-2.3	83	0.00	13.49
50	T	m,p-xylene	0.570	0.582	-2.1	81	0.00	13.67
51	T	o-xylene	0.583	0.605	-3.8	85	0.00	14.09
52	T	styrene	0.965	0.991	-2.7	83	0.00	14.01
53	P	bromoform	0.228	0.236	-3.5	85	0.00	13.84
54	T	isopropylbenzene	1.509	1.532	-1.5	83	0.00	14.45
55	T	bromobenzene	0.383	0.396	-3.4	81	0.00	14.74
56	P	1,1,2,2-tetrachloroethane	0.421	0.446	-5.9	88	0.00	14.09
57	T	1,2,3-trichloropropane	0.531	0.571	-7.5	88	0.00	14.23
58	T	n-propylbenzene	2.143	2.202	-2.8	84	0.00	14.90
59	T	2-chlorotoluene	0.355	0.359	-1.1	80	0.00	15.02
60	T	4-chlorotoluene	1.413	1.520	-7.6	85	0.00	15.09
61	T	1,3,5-trimethylbenzene	1.559	1.603	-2.8	83	0.00	15.17
62	T	tert-butylbenzene	1.000	1.067	-6.7	91	0.00	15.48
63	T	1,2,4-trimethylbenzene	1.580	1.680	-6.3	84	0.00	15.58
64	T	sec-butylbenzene	1.879	1.938	-3.1	83	0.00	15.70
65	T	1,3-dichlorobenzene	0.740	0.807	-9.1	87	0.00	15.81
66	T	4-isopropyltoluene	1.357	1.432	-5.5	87	0.00	15.87
67	T	1,4-dichlorobenzene	0.751	0.802	-6.8	88	0.00	15.87
68	T	1,2-dichlorobenzene	0.730	0.833	-14.1	93	0.00	16.24
69	S	1,2-dichlorobenzene-d4 (S	0.435	0.480	-10.3	87	0.00	16.22
70	T	n-butylbenzene	1.531	1.668	-8.9	89	0.00	16.29
71	T	1,2-dibromo-3-chloropropa	0.103	0.115	-11.7	100	0.00	16.71
		----------	True	Calc.	% Drift	----------		
72	T	1,2,4-trichlorobenzene	5.000	6.467	-29.3	112	0.00	18.08
		----------	AvgRF	CCRF	% Dev	----------		
73	T	hexachlorobutadiene	0.268	0.317	-18.3	99	0.00	18.37
		----------	True	Calc.	% Drift	----------		
74	T	naphthalene	5.000	7.316	-46.3#	122	0.00	18.35
75	T	1,2,3-trichlorobenzene	5.000	8.039	-60.8#	137	0.00	18.56

(2.7 %) 2 of 74 compounds'%D > 30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
K17686.D K120906.M Thu Dec 14 11:16:06 2006 MSK

5.7 5

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12599-MB	F25613.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263

The QC reported here applies to the following samples: **Method:** EPA 625

M61458-1, M61458-2, M61458-3, M61458-4

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	10	ug/l	
108-95-2	Phenol	ND	5.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	
83-32-9	Acenaphthene	ND	5.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
92-87-5	Benzidine	ND	20	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	ug/l	

Method Blank Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12599-MB	F25613.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263

The QC reported here applies to the following samples: **Method:** EPA 625

M61458-1, M61458-2, M61458-3, M61458-4

CAS No.	Compound	Result	RL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	10	ug/l	
117-84-0	Di-n-octyl phthalate	ND	10	ug/l	
84-66-2	Diethyl phthalate	ND	10	ug/l	
131-11-3	Dimethyl phthalate	ND	10	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	10	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	
78-59-1	Isophorone	ND	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	34%	17-120%
4165-62-2	Phenol-d5	25%	10-120%
118-79-6	2,4,6-Tribromophenol	71%	30-126%
4165-60-0	Nitrobenzene-d5	62%	22-126%
321-60-8	2-Fluorobiphenyl	58%	21-124%
1718-51-0	Terphenyl-d14	72%	24-133%

Blank Spike/Blank Spike Duplicate Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12599-BS	F25614.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263
OP12599-BSD	F25615.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263

The QC reported here applies to the following samples: **Method:** EPA 625

M61458-1, M61458-2, M61458-3, M61458-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	100	73.8	74	75.5	76	2	23-134/30
59-50-7	4-Chloro-3-methyl phenol	100	80.0	80	85.2	85	6	22-147/30
120-83-2	2,4-Dichlorophenol	100	78.2	78	82.9	83	6	39-135/30
105-67-9	2,4-Dimethylphenol	100	70.7	71	75.3	75	6	32-119/30
51-28-5	2,4-Dinitrophenol	100	103	103	103	103	0	1-191/30
534-52-1	4,6-Dinitro-o-cresol	100	111	111	112	112	1	1-181/30
88-75-5	2-Nitrophenol	100	87.7	88	92.9	93	6	29-182/30
100-02-7	4-Nitrophenol	100	41.7	42	41.0	41	2	1-132/30
87-86-5	Pentachlorophenol	100	87.7	88	90.1	90	3	14-176/30
108-95-2	Phenol	100	34.9	35	35.6	36	2	5-112/30
88-06-2	2,4,6-Trichlorophenol	100	77.2	77	82.0	82	6	37-144/30
83-32-9	Acenaphthene	50	39.2	78	38.7	77	1	47-145/30
208-96-8	Acenaphthylene	50	39.2	78	38.2	76	3	33-145/30
120-12-7	Anthracene	50	44.2	88	42.3	85	4	27-133/30
92-87-5	Benzidine	50	32.4	65	34.8	70	7	1-120/30
56-55-3	Benzo(a)anthracene	50	47.2	94	44.7	89	5	33-143/30
50-32-8	Benzo(a)pyrene	50	38.0	76	36.1	72	5	17-163/30
205-99-2	Benzo(b)fluoranthene	50	35.1	70	32.7	65	7	24-159/30
191-24-2	Benzo(g,h,i)perylene	50	37.7	75	36.5	73	3	1-219/30
207-08-9	Benzo(k)fluoranthene	50	34.2	68	34.2	68	0	11-162/30
101-55-3	4-Bromophenyl phenyl ether	50	41.7	83	40.7	81	2	53-127/30
85-68-7	Butyl benzyl phthalate	50	36.6	73	36.2	72	1	1-152/30
91-58-7	2-Chloronaphthalene	50	37.9	76	37.3	75	2	60-118/30
106-47-8	4-Chloroaniline	50	30.8	62	31.0	62	1	22-120/30
218-01-9	Chrysene	50	52.3	105	50.0	100	4	17-168/30
111-91-1	bis(2-Chloroethoxy)methane	50	41.6	83	41.1	82	1	33-184/30
111-44-4	bis(2-Chloroethyl)ether	50	41.8	84	39.7	79	5	12-158/30
108-60-1	bis(2-Chloroisopropyl)ether	50	40.0	80	38.3	77	4	36-166/30
7005-72-3	4-Chlorophenyl phenyl ether	50	40.3	81	39.5	79	2	25-158/30
95-50-1	1,2-Dichlorobenzene	50	33.5	67	32.4	65	3	32-129/30
122-66-7	1,2-Diphenylhydrazine	50	44.2	88	43.4	87	2	50-120/30
541-73-1	1,3-Dichlorobenzene	50	32.5	65	31.0	62	5	1-172/30
106-46-7	1,4-Dichlorobenzene	50	33.4	67	31.8	64	5	20-124/30
121-14-2	2,4-Dinitrotoluene	50	48.3	97	45.9	92	5	39-139/30
606-20-2	2,6-Dinitrotoluene	50	45.3	91	44.0	88	3	50-158/30
91-94-1	3,3'-Dichlorobenzidine	50	35.7	71	34.7	69	3	1-262/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12599-BS	F25614.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263
OP12599-BSD	F25615.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263

The QC reported here applies to the following samples: **Method:** EPA 625

M61458-1, M61458-2, M61458-3, M61458-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
53-70-3	Dibenzo(a,h)anthracene	50	44.9	90	43.3	87	4	1-227/30
84-74-2	Di-n-butyl phthalate	50	40.8	82	39.9	80	2	1-118/30
117-84-0	Di-n-octyl phthalate	50	34.7	69	33.7	67	3	4-146/30
84-66-2	Diethyl phthalate	50	26.3	53	27.1	54	3	1-114/30
131-11-3	Dimethyl phthalate	50	11.7	23	13.3	27	13	1-112/30
117-81-7	bis(2-Ethylhexyl)phthalate	50	49.9	100	47.7	95	5	8-158/30
206-44-0	Fluoranthene	50	44.2	88	42.7	85	3	26-137/30
86-73-7	Fluorene	50	41.9	84	40.8	82	3	59-121/30
118-74-1	Hexachlorobenzene	50	43.4	87	41.7	83	4	1-152/30
87-68-3	Hexachlorobutadiene	50	30.9	62	30.3	61	2	24-116/30
77-47-4	Hexachlorocyclopentadiene	50	31.7	63	32.4	65	2	1-120/30
67-72-1	Hexachloroethane	50	29.9	60	28.8	58	4	40-113/30
193-39-5	Indeno(1,2,3-cd)pyrene	50	33.8	68	31.4	63	7	1-171/30
78-59-1	Isophorone	50	45.2	90	45.2	90	0	21-196/30
91-20-3	Naphthalene	50	37.0	74	36.2	72	2	21-133/30
98-95-3	Nitrobenzene	50	40.4	81	40.6	81	0	35-180/30
62-75-9	n-Nitrosodimethylamine	50	24.6	49	23.8	48	3	14-120/30
621-64-7	N-Nitroso-di-n-propylamine	50	44.1	88	42.8	86	3	1-230/30
86-30-6	N-Nitrosodiphenylamine	50	46.3	93	44.7	89	4	60-120/30
85-01-8	Phenanthrene	50	42.4	85	41.0	82	3	54-120/30
129-00-0	Pyrene	50	45.6	91	43.6	87	4	52-115/30
120-82-1	1,2,4-Trichlorobenzene	50	32.8	66	32.6	65	1	44-142/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	53%	49%	17-120%
4165-62-2	Phenol-d5	38%	34%	10-120%
118-79-6	2,4,6-Tribromophenol	102%	97%	30-126%
4165-60-0	Nitrobenzene-d5	90%	83%	22-126%
321-60-8	2-Fluorobiphenyl	84%	77%	21-124%
1718-51-0	Terphenyl-d14	95%	85%	24-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12599-MS	F25616.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263
OP12599-MSD	F25617.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263
M61517-1	F25618.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263

The QC reported here applies to the following samples: **Method:** EPA 625

M61458-1, M61458-2, M61458-3, M61458-4

6.3 6

CAS No.	Compound	M61517-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		100	59.9	60	69.8	70	15	23-134/30
59-50-7	4-Chloro-3-methyl phenol	ND		100	65.7	66	80.3	80	20	22-147/30
120-83-2	2,4-Dichlorophenol	ND		100	64.9	65	76.6	77	17	39-135/30
105-67-9	2,4-Dimethylphenol	ND		100	42.8	43	62.9	63	38* [a]	32-119/30
51-28-5	2,4-Dinitrophenol	ND		100	80.1	80	74.8	75	7	1-191/30
534-52-1	4,6-Dinitro-o-cresol	ND		100	86.0	86	87.3	87	2	1-181/30
88-75-5	2-Nitrophenol	ND		100	73.8	74	85.3	85	14	29-182/30
100-02-7	4-Nitrophenol	ND		100	32.1	32	34.4	34	7	1-132/30
87-86-5	Pentachlorophenol	ND		100	66.8	67	70.5	71	5	14-176/30
108-95-2	Phenol	ND		100	28.0	28	33.1	33	17	5-112/30
88-06-2	2,4,6-Trichlorophenol	ND		100	65.9	66	70.5	71	7	37-144/30
83-32-9	Acenaphthene	ND		50	33.9	68	40.1	80	17	47-145/30
208-96-8	Acenaphthylene	ND		50	33.2	66	39.4	79	17	33-145/30
120-12-7	Anthracene	ND		50	36.8	74	43.5	87	17	27-133/30
92-87-5	Benzidine	ND		50	9.0	18	20.4	41	78* [a]	1-120/66
56-55-3	Benzo(a)anthracene	ND		50	39.5	79	46.9	94	17	33-143/30
50-32-8	Benzo(a)pyrene	ND		50	31.0	62	37.5	75	19	17-163/30
205-99-2	Benzo(b)fluoranthene	ND		50	26.6	53	34.1	68	25	24-159/30
191-24-2	Benzo(g,h,i)perylene	ND		50	31.2	62	36.5	73	16	1-219/30
207-08-9	Benzo(k)fluoranthene	ND		50	31.2	62	35.3	71	12	11-162/30
101-55-3	4-Bromophenyl phenyl ether	ND		50	35.3	71	41.8	84	17	53-127/30
85-68-7	Butyl benzyl phthalate	ND		50	32.3	65	38.9	78	19	1-152/30
91-58-7	2-Chloronaphthalene	ND		50	31.9	64	38.4	77	18	60-118/30
106-47-8	4-Chloroaniline	ND		50	24.9	50	29.2	58	16	9-120/38
218-01-9	Chrysene	ND		50	44.2	88	52.2	104	17	17-168/30
111-91-1	bis(2-Chloroethoxy)methane	ND		50	35.2	70	42.3	85	18	33-184/30
111-44-4	bis(2-Chloroethyl)ether	ND		50	34.8	70	39.0	78	11	12-158/30
108-60-1	bis(2-Chloroisopropyl)ether	ND		50	33.7	67	40.3	81	18	36-166/30
7005-72-3	4-Chlorophenyl phenyl ether	ND		50	33.9	68	41.0	82	19	25-158/30
95-50-1	1,2-Dichlorobenzene	ND		50	25.8	52	32.0	64	21	32-129/30
122-66-7	1,2-Diphenylhydrazine	ND		50	37.4	75	44.2	88	17	46-122/30
541-73-1	1,3-Dichlorobenzene	ND		50	24.5	49	30.9	62	23	1-172/30
106-46-7	1,4-Dichlorobenzene	ND		50	25.4	51	31.5	63	21	20-124/30
121-14-2	2,4-Dinitrotoluene	ND		50	40.8	82	49.0	98	18	39-139/30
606-20-2	2,6-Dinitrotoluene	ND		50	38.4	77	45.8	92	18	50-158/30
91-94-1	3,3'-Dichlorobenzidine	ND		50	31.4	63	36.4	73	15	1-262/30

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12599-MS	F25616.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263
OP12599-MSD	F25617.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263
M61517-1	F25618.D	1	01/15/07	PN	12/14/06	OP12599	MSF1263

The QC reported here applies to the following samples: **Method:** EPA 625

M61458-1, M61458-2, M61458-3, M61458-4

CAS No.	Compound	M61517-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
53-70-3	Dibenzo(a,h)anthracene	ND		50	36.8	74	44.0	88	18	1-227/30
84-74-2	Di-n-butyl phthalate	ND		50	34.9	70	42.0	84	18	1-118/30
117-84-0	Di-n-octyl phthalate	ND		50	29.0	58	35.5	71	20	4-146/30
84-66-2	Diethyl phthalate	ND		50	23.0	46	29.2	58	24	1-114/30
131-11-3	Dimethyl phthalate	ND		50	11.3	23	15.0	30	28	1-112/30
117-81-7	bis(2-Ethylhexyl)phthalate	ND		50	41.7	83	50.3	101	19	8-158/30
206-44-0	Fluoranthene	ND		50	36.8	74	44.4	89	19	26-137/30
86-73-7	Fluorene	ND		50	35.6	71	42.5	85	18	59-121/30
118-74-1	Hexachlorobenzene	ND		50	35.4	71	43.0	86	19	1-152/30
87-68-3	Hexachlorobutadiene	ND		50	22.0	44	28.2	56	25	24-116/30
77-47-4	Hexachlorocyclopentadiene	ND		50	25.1	50	33.6	67	29	1-120/38
67-72-1	Hexachloroethane	ND		50	21.7	43	27.8	56	25	40-113/30
193-39-5	Indeno(1,2,3-cd)pyrene	ND		50	26.6	53	32.0	64	18	1-171/30
78-59-1	Isophorone	ND		50	39.2	78	46.1	92	16	21-196/30
91-20-3	Naphthalene	ND		50	30.0	60	36.7	73	20	21-133/30
98-95-3	Nitrobenzene	ND		50	34.8	70	41.7	83	18	35-180/30
62-75-9	n-Nitrosodimethylamine	ND		50	21.2	42	22.8	46	7	12-120/37
621-64-7	N-Nitroso-di-n-propylamine	ND		50	37.1	74	44.3	89	18	1-230/30
86-30-6	N-Nitrosodiphenylamine	ND		50	38.4	77	46.0	92	18	59-120/30
85-01-8	Phenanthrene	ND		50	35.8	72	42.6	85	17	54-120/30
129-00-0	Pyrene	ND		50	38.1	76	45.3	91	17	52-115/30
120-82-1	1,2,4-Trichlorobenzene	ND		50	25.6	51	32.1	64	23	44-142/30

CAS No.	Surrogate Recoveries	MS	MSD	M61517-1	Limits
367-12-4	2-Fluorophenol	43%	43%	39%	17-120%
4165-62-2	Phenol-d5	30%	32%	28%	10-120%
118-79-6	2,4,6-Tribromophenol	82%	83%	89%	30-126%
4165-60-0	Nitrobenzene-d5	70%	86%	80%	22-126%
321-60-8	2-Fluorobiphenyl	64%	79%	74%	21-124%
1718-51-0	Terphenyl-d14	72%	87%	93%	24-133%

(a) High RPD due to possible matrix interference and/or sample non-homogeneity.

Instrument Performance Check (DFTPP)

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSF1232-DFTPP
Lab File ID: F25054.D
Instrument ID: GCMSF
Injection Date: 12/29/06
Injection Time: 08:09

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	65597	38.4		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	100635	59.0		Pass
70	Less than 2.0% of mass 69	569	0.33	(0.57) [a]	Pass
127	40.0 - 60.0% of mass 198	93347	54.7		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	170688	100.0		Pass
199	5.0 - 9.0% of mass 198	11668	6.8		Pass
275	10.0 - 30.0% of mass 198	41837	24.5		Pass
365	1.0 - 100.0% of mass 198	5966	3.5		Pass
441	Present, but less than mass 443	21937	12.9	(85.2) [b]	Pass
442	39.0 - 100.0% of mass 198	135387	79.3		Pass
443	17.0 - 23.0% of mass 442	25733	15.1	(19.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSF1232-IC1232	F25056.D	12/29/06	09:04	00:55	Initial cal 50
MSF1232-IC1232	F25057.D	12/29/06	09:41	01:32	Initial cal 200
MSF1232-IC1232	F25058.D	12/29/06	10:11	02:02	Initial cal 160
MSF1232-IC1232	F25059.D	12/29/06	10:42	02:33	Initial cal 120
MSF1232-ICC1232	F25060.D	12/29/06	11:14	03:05	Initial cal 80
MSF1232-IC1232	F25061.D	12/29/06	11:52	03:43	Initial cal 20
MSF1232-IC1232	F25062.D	12/29/06	12:22	04:13	Initial cal 10
MSF1232-IC1232	F25063.D	12/29/06	12:56	04:47	Initial cal 5
MSF1232-IC1232	F25064.D	12/29/06	13:26	05:17	Initial cal 1
MSF1232-ICV1232	F25065.D	12/29/06	13:57	05:48	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSF1263-DFTPP
Lab File ID: F25611.D
Instrument ID: GCMSF
Injection Date: 01/15/07
Injection Time: 15:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	24284	36.6		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	37016	55.7		Pass
70	Less than 2.0% of mass 69	216	0.33	(0.58) [a]	Pass
127	40.0 - 60.0% of mass 198	35482	53.4		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	66400	100.0		Pass
199	5.0 - 9.0% of mass 198	4559	6.9		Pass
275	10.0 - 30.0% of mass 198	17052	25.7		Pass
365	1.0 - 100.0% of mass 198	2481	3.7		Pass
441	Present, but less than mass 443	10434	15.7	(84.7) [b]	Pass
442	39.0 - 100.0% of mass 198	64126	96.6		Pass
443	17.0 - 23.0% of mass 442	12324	18.6	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSF1263-CC1232	F25612.D	01/15/07	16:01	00:25	Continuing cal 50
OP12599-MB	F25613.D	01/15/07	16:33	00:57	Method Blank
OP12599-BS	F25614.D	01/15/07	17:03	01:27	Blank Spike
OP12599-BSD	F25615.D	01/15/07	17:36	02:00	Blank Spike Duplicate
OP12599-MS	F25616.D	01/15/07	18:11	02:35	Matrix Spike
OP12599-MSD	F25617.D	01/15/07	18:40	03:04	Matrix Spike Duplicate
M61517-1	F25618.D	01/15/07	19:13	03:37	(used for QC only; not part of job M61458)
ZZZZZZ	F25619.D	01/15/07	19:44	04:08	(unrelated sample)
ZZZZZZ	F25620.D	01/15/07	20:15	04:39	(unrelated sample)
M61458-1	F25621.D	01/15/07	20:51	05:15	34 MILL STREET
M61458-2	F25622.D	01/15/07	21:21	05:45	35B MILL STREET
M61458-3	F25623.D	01/15/07	21:48	06:12	38 MILL STREET
M61458-4	F25624.D	01/15/07	22:26	06:50	40 MILL STREET
ZZZZZZ	F25625.D	01/15/07	22:57	07:21	(unrelated sample)
ZZZZZZ	F25626.D	01/15/07	23:27	07:51	(unrelated sample)
ZZZZZZ	F25627.D	01/15/07	23:58	08:22	(unrelated sample)
ZZZZZZ	F25628.D	01/16/07	00:31	08:55	(unrelated sample)
ZZZZZZ	F25629.D	01/16/07	01:05	09:29	(unrelated sample)
ZZZZZZ	F25630.D	01/16/07	01:35	09:59	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSF1263-DFTPP
Lab File ID: F25611.D
Instrument ID: GCMSF
Injection Date: 01/15/07
Injection Time: 15:36

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F25631.D	01/16/07	02:13	10:37	(unrelated sample)
ZZZZZZ	F25632.D	01/16/07	02:42	11:06	(unrelated sample)
ZZZZZZ	F25633.D	01/16/07	03:16	11:40	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Check Std: MSF1263-CC1232 **Injection Date:** 01/15/07
Lab File ID: F25612.D **Injection Time:** 16:01
Instrument ID: GCMSF **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	177961	5.13	658839	6.36	336262	8.69	486288	11.17	411779	16.10	326755	18.61
Upper Limit [a]	355922	5.63	1317678	6.86	672524	9.19	972576	11.67	823558	16.60	653510	19.11
Lower Limit [b]	88981	4.63	329420	5.86	168131	8.19	243144	10.67	205890	15.60	163378	18.11

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP12599-MB	164598	5.13	607361	6.35	314259	8.69	457610	11.17	397653	16.10	407166	18.61
OP12599-BS	126340	5.13	466272	6.35	231095	8.70	325927	11.17	276477	16.10	285019	18.61
OP12599-BSD	130474	5.13	472855	6.35	237019	8.69	332504	11.17	280021	16.10	281164	18.61
OP12599-MS	134054	5.13	490707	6.35	244597	8.69	346296	11.17	290530	16.10	297887	18.61
OP12599-MSD	134959	5.13	494830	6.35	251495	8.69	357044	11.17	300292	16.10	303318	18.61
M61517-1	164290	5.13	607136	6.35	312957	8.69	454934	11.16	390664	16.09	393807	18.61
ZZZZZZ	117473	5.13	431069	6.35	214619	8.69	306232	11.16	258941	16.09	269526	18.60
ZZZZZZ	137131	5.13	507958	6.35	254134	8.69	351176	11.17	290006	16.09	311172	18.60
M61458-1	115536	5.13	427223	6.34	217334	8.69	315482	11.16	287992	16.09	305228	18.61
M61458-2	148209	5.13	544816	6.35	265699	8.69	382737	11.16	340385	16.09	366159	18.61
M61458-3	147643	5.13	540302	6.35	268427	8.69	389485	11.16	349825	16.09	377214	18.61
M61458-4	171128	5.13	630279	6.35	322312	8.69	467633	11.16	409112	16.09	399529	18.61
ZZZZZZ	177628	5.13	653632	6.35	342457	8.69	504853	11.17	447964	16.10	444321	18.61
ZZZZZZ	157681	5.13	575188	6.35	292668	8.69	415037	11.17	363007	16.10	381220	18.61
ZZZZZZ	143371	5.13	527170	6.35	266572	8.69	390871	11.17	374055	16.10	404175	18.61
ZZZZZZ	125981	5.13	465750	6.35	236855	8.69	353301	11.17	325796	16.10	341232	18.61
ZZZZZZ	166313	5.13	615246	6.35	316956	8.69	454508	11.16	392398	16.10	401471	18.61
ZZZZZZ	158055	5.13	577806	6.35	297533	8.69	434268	11.16	410133	16.09	448499	18.61
ZZZZZZ	165029	5.13	600973	6.34	303826	8.69	431098	11.17	367826	16.10	388991	18.61
ZZZZZZ	167442	5.13	618317	6.35	314485	8.69	447125	11.17	394251	16.09	412799	18.61
ZZZZZZ	152495	5.13	559003	6.35	284056	8.69	420058	11.17	396106	16.10	455609	18.62

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
M61458-1	F25621.D	37.0	27.0	75.0	75.0	70.0	72.0
M61458-2	F25622.D	34.0	26.0	67.0	68.0	63.0	65.0
M61458-3	F25623.D	40.0	28.0	81.0	73.0	69.0	69.0
M61458-4	F25624.D	37.0	27.0	85.0	69.0	65.0	81.0
OP12599-BS	F25614.D	53.0	38.0	102.0	90.0	84.0	95.0
OP12599-BSD	F25615.D	49.0	34.0	97.0	83.0	77.0	85.0
OP12599-MB	F25613.D	34.0	25.0	71.0	62.0	58.0	72.0
OP12599-MS	F25616.D	43.0	30.0	82.0	70.0	64.0	72.0
OP12599-MSD	F25617.D	43.0	32.0	83.0	86.0	79.0	87.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	17-120%
S2 = Phenol-d5	10-120%
S3 = 2,4,6-Tribromophenol	30-126%
S4 = Nitrobenzene-d5	22-126%
S5 = 2-Fluorobiphenyl	21-124%
S6 = Terphenyl-d14	24-133%

Initial Calibration Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSF1232-ICC1232
Lab FileID: F25060.D

Response Factor Report HP5973_F

Method : C:\HPCHEM\1\METHODS\F122906.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Sat Dec 30 08:20:22 2006
Response via : Initial Calibration

Calibration Files
1 =F25064.D 5 =F25063.D 10 =F25062.D 20 =F25061.D
50 =F25056.D 80 =F25060.D 120 =F25059.D 160 =F25058.D
200 =F25057.D =

Compound	1	5	10	20	50	80	120	160	200	Avg	%RSD
1) I 1,4-Dichlorobenzene-d ----------ISTD----------											
2) N-Nitrosodimethylamine	1.126	1.138	1.159	1.149	1.158	1.131	1.118	1.054	1.052	1.121	3.64
3) Pyridine	2.245	2.325	2.240	2.309	2.139	2.085	1.993	1.751	1.680	2.085	11.30
4) Methyl Methanesulfonate	1.018	1.033	1.057	1.033	1.037	1.009	1.013	0.955	0.952	1.012	3.57
5) Ethyl Methanesulfonate	1.451	1.533	1.582	1.539	1.501	1.459	1.454	1.408	1.419	1.483	3.99
6) Aniline	2.936	2.990	3.044	2.872	2.742	2.580	2.355	2.292	2.225	2.671	11.89
7) 2-Fluorophenol	1.337	1.480	1.541	1.558	1.544	1.492	1.494	1.669	1.350	1.496	6.87
8) bis(2-Chloroethyl)ether	1.855	1.904	1.944	1.857	1.799	1.742	1.701	1.647	1.562	1.779	7.09
9) Phenol-d5	1.812	2.132	2.192	2.219	2.066	1.966	1.920	2.240	1.780	2.036	8.57
10) Phenol	2.405	2.622	2.693	2.594	2.398	2.231	2.199	2.005	1.945	2.344	11.45
11) 2-Chlorophenol	1.374	1.542	1.568	1.520	1.510	1.463	1.426	1.373	1.364	1.460	5.40
12) 1,3-Dichlorobenzene	1.639	1.708	1.713	1.648	1.597	1.534	1.470	1.440	1.400	1.572	7.39
13) 1,4-Dichlorobenzene	1.655	1.749	1.743	1.699	1.625	1.572	1.516	1.465	1.445	1.608	7.15
14) 1,2-Dichlorobenzene	1.520	1.611	1.655	1.582	1.511	1.462	1.402	1.362	1.331	1.493	7.56
15) Benzyl alcohol	1.139	1.188	1.154	1.081	1.117	1.083	1.063	1.050		1.109	4.35
16) bis(2-chloroisopropyl)ether	1.613	1.704	1.749	1.672	1.633	1.516	1.460	1.415	1.357	1.569	8.75
17) o-cresol	1.467	1.609	1.621	1.598	1.559	1.478	1.434	1.391	1.395	1.506	6.12
18) Acetophenone	2.416	2.503	2.519	2.415	2.197	2.082	2.034	1.927	1.910	2.223	11.05
19) Hexachloroethane	0.620	0.651	0.690	0.660	0.658	0.650	0.624	0.610	0.590	0.639	4.79
20) N-Nitroso-di-n-propylamine	1.220	1.315	1.336	1.280	1.276	1.257	1.201	1.149	1.107	1.238	6.12
21) p-cresol	1.491	1.628	1.640	1.633	1.460	1.379	1.360	1.458	1.306	1.484	8.49
22) m+p-cresols	1.491	1.628	1.640	1.633	1.460	1.379	1.360	1.458	1.306	1.484	8.49

Initial Calibration Summary

Job Number: M61458 **Sample:** MSF1232-ICC1232
Account: XDD Xpert Diagnostic & Design **Lab FileID:** F25060.D
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

```
23) I   Naphthalene-d8        ----------------ISTD---------------------
24)  Nitrobenzene-d5
           0.388 0.466 0.498 0.503 0.486 0.478 0.474 0.559 0.442   0.477    9.75
25)  Nitrobenzene
           0.491 0.528 0.563 0.544 0.519 0.502 0.490 0.466 0.456   0.507    6.96
26)  Isophorone
           0.764 0.860 0.892 0.858 0.823 0.808 0.810 0.787 0.780   0.820    5.17
27)  2-Nitrophenol
           0.116 0.162 0.183 0.185 0.186 0.189 0.187 0.180 0.179   0.174   13.42
28)  2,4-Dimethylphenol
           0.395 0.461 0.476 0.447 0.434 0.422 0.418 0.406 0.397   0.429    6.62
29)  bis(2-Chloroethoxy)methane
           0.540 0.548 0.573 0.539 0.508 0.484 0.478 0.461 0.449   0.509    8.50
30)  Benzoic acid
                     0.236 0.257 0.291 0.321 0.331 0.319 0.329   0.298   12.72
31)  2,4-Dichlorophenol
                 0.308 0.321 0.315 0.305 0.302 0.301 0.291 0.288   0.304    3.67
32)  1,2,4-Trichlorobenzene
           0.339 0.349 0.357 0.337 0.327 0.325 0.320 0.309 0.311   0.331    4.97
33)  Naphthalene
           1.203 1.183 1.203 1.143 1.079 1.026 0.983 0.951 0.936   1.078   10.08
34)  2,6-Dichlorophenol
           0.285 0.311 0.319 0.308 0.290 0.289 0.284 0.276 0.271   0.292    5.58
35)  4-Chloroaniline
           0.453 0.484 0.507 0.479 0.451 0.438 0.430 0.412 0.405   0.451    7.55
36)  Hexachlorobutadiene
                 0.195 0.210 0.197 0.193 0.199 0.196 0.191 0.190   0.196    3.29
37)  4-Chloro-3-methylphenol
           0.288 0.342 0.373 0.360 0.358 0.348 0.348 0.333 0.332   0.343    7.13
38)  2-Methylnaphthalene
           0.688 0.712 0.732 0.704 0.666 0.649 0.631 0.616 0.609   0.667    6.62
39)  1-Methylnaphthalene
                                                                   0.000#  -1.00
40)  1,2,4,5-Tetrachlorobenzene
           0.281 0.300 0.309 0.310 0.294 0.300 0.306 0.368 0.294   0.307    7.98

41) I   Acenaphthene-d10      ----------------ISTD---------------------
42)  Pentachloronitrobenzene
                 0.129 0.142 0.156 0.154 0.158 0.162 0.199 0.166   0.158   12.76
43)  Hexachlorocyclopentadiene
                 0.248 0.297 0.309 0.334 0.351 0.350 0.349 0.348   0.323   11.40
44)  2,4,6-Trichlorophenol
                 0.388 0.423 0.413 0.417 0.433 0.426 0.439 0.433   0.421    3.83
45)  2,4,5-Trichlorophenol
                 0.434 0.458 0.459 0.450 0.458 0.449 0.458 0.471   0.455    2.36
46)  2-Fluorobiphenyl
           1.246 1.431 1.458 1.475 1.399 1.369 1.368 1.671 1.347   1.418    8.22
47)  2-Chloronaphthalene
           1.243 1.338 1.364 1.327 1.284 1.254 1.224 1.228 1.225   1.276    4.25
48)  Acenaphthylene
           1.720 1.951 2.014 1.960 1.888 1.833 1.790 1.794 1.799   1.861    5.25
49)  Dimethylphthalate
           1.276 1.405 1.452 1.407 1.371 1.354 1.346 1.347 1.352   1.368    3.64
50)  2,6-Dinitrotoluene
                 0.239 0.281 0.279 0.291 0.300 0.306 0.300 0.311   0.288    7.90
51)  Acenaphthene
           1.242 1.253 1.259 1.219 1.179 1.156 1.138 1.130 1.142   1.191    4.41
52)  2,4-Dinitrophenol
                     0.058 0.082 0.116 0.151 0.164 0.164 0.171   0.130   34.62
        ----- Quadratic regression -----                Coefficient =  0.9984
```

6.7

6

```
              Response Ratio = -0.03805 + 0.16077 *A + 0.00359 *A^2

53)  Dibenzofuran
           1.819 1.820 1.836 1.802 1.717 1.679 1.668 1.645 1.652   1.737    4.63
54)  2,4-Dinitrotoluene
                 0.277 0.341 0.358 0.372 0.384 0.388 0.385 0.400   0.363   10.86
55)  4-Nitrophenol
                 0.233 0.279 0.304 0.311 0.319 0.324 0.323 0.334   0.303   10.90
56)  2,3,4,6-Tetrachlorophenol
                 0.309 0.342 0.343 0.344 0.360 0.370 0.369 0.380   0.352    6.39
57)  Fluorene
           1.338 1.383 1.420 1.370 1.344 1.325 1.317 1.321 1.328   1.350    2.57
58)  4-Chlorophenyl-phenylether
           0.639 0.661 0.674 0.654 0.648 0.658 0.662 0.662 0.669   0.659    1.60
59)  Diethylphthalate
           1.352 1.334 1.353 1.344 1.283 1.252 1.247 1.252 1.254   1.297    3.69
60)  2-nitroaniline
                 0.358 0.410 0.422 0.426 0.432 0.426 0.425 0.431   0.416    5.88
61)  3-nitroaniline
                 0.301 0.335 0.336 0.341 0.342 0.342 0.339 0.348   0.336    4.37
62)  4-nitroaniline
                 0.284 0.321 0.336 0.337 0.334 0.335 0.336 0.354   0.329    6.18

63) I   Phenanthrene-d10      ----------------ISTD---------------------
64)  4,6-Dinitro-2-methylphenol
                 0.054 0.087 0.106 0.130 0.152 0.156 0.157 0.157   0.125   31.19
         ----- Quadratic regression -----                Coefficient =  0.9992
              Response Ratio = -0.02167 + 0.16011 *A + 0.00036 *A^2

65)  n-Nitrosodiphenylamine
           0.567 0.637 0.654 0.649 0.635 0.626 0.613 0.615 0.605   0.622    4.25
66)  1,2-Diphenylhydrazine
           1.116 1.269 1.324 1.267 1.330 1.271 1.252 1.252 1.191   1.253    5.24
67)  2,4,6-Tribromophenol
                 0.117 0.140 0.147 0.150 0.160 0.169               0.147   12.12
68)  4-Bromophenyl-phenylether
           0.238 0.260 0.272 0.266 0.265 0.277 0.275 0.277 0.277   0.267    4.74
69)  Hexachlorobenzene
           0.276 0.278 0.286 0.283 0.286 0.294 0.298 0.299 0.298   0.289    3.12
70)  Pentachlorophenol
                       0.165 0.180 0.191 0.207 0.212 0.211 0.216   0.197    9.78
71)  Phenanthrene
           1.344 1.348 1.368 1.339 1.302 1.268 1.258 1.246 1.241   1.302    3.78
72)  Anthracene
           1.240 1.308 1.368 1.319 1.281 1.278 1.238 1.240 1.232   1.278    3.65
73)  Carbazole
           0.995 1.145 1.200 1.222 1.167 1.146 1.116 1.115 1.121   1.136    5.71
74)  Di-n-butylphthalate
           0.997 1.224 1.374 1.370 1.367 1.350 1.325 1.330 1.304   1.293    9.32
75)  Fluoranthene
           0.991 1.162 1.229 1.253 1.244 1.227 1.213 1.212 1.245   1.197    6.85

76) I   Chrysene-d12          ----------------ISTD---------------------
77)  Benzidine
                 0.500 0.502 0.417 0.371 0.397 0.347 0.310 0.296   0.393   19.94
         ----- Quadratic regression -----                Coefficient =  0.9976
              Response Ratio = 0.01254 + 0.41835 *A + -0.02561 *A^2

78)  Pyrene
           1.257 1.464 1.487 1.445 1.442 1.474 1.431 1.456 1.441   1.433    4.78
```

Initial Calibration Summary

Job Number: M61458 **Sample:** MSF1232-ICC1232
Account: XDD Xpert Diagnostic & Design **Lab FileID:** F25060.D
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

```
79)  Terphenyl-d14
          0.801 0.975 1.003 1.031 1.044 1.079 1.088 1.378 1.079   1.053   14.27
80)  Butylbenzylphthalate
                0.524 0.584 0.597 0.630 0.642 0.618 0.629 0.623   0.606    6.29
81)  3,3'-Dichlorobenzidine
                0.456 0.511 0.526 0.554 0.585 0.580 0.583 0.587   0.548    8.58
82)  Benzo[a]anthracene
          1.007 1.156 1.244 1.245 1.277 1.320 1.289 1.311 1.313   1.240    8.16
83)  Chrysene
          1.032 1.097 1.117 1.108 1.118 1.148 1.124 1.140 1.138   1.113    3.09
84)  bis(2-Ethylhexyl)phthalate
          0.328 0.642 0.758 0.770 0.824 0.837 0.825 0.843 0.823   0.739   22.54
           ----- Linear regression -----  Coefficient =  0.9997
             Response Ratio = -0.01642 + 0.83458 *A


85) I   Perylene-d12          ----------------ISTD---------------------
86)  Di-n-octylphthalate
                1.018 1.289 1.457 1.645 1.930 1.883 1.992 1.985   1.650   22.08#
87)  Benzo[b]fluoranthene
                1.348 1.398 1.566 1.569 1.934 1.858 1.930         1.658   14.99
           ----- Linear regression -----  Coefficient =  0.9972
             Response Ratio = -0.18984 + 1.95528 *A

88)  Benzo[k]fluoranthene
          1.229 1.476 1.511 1.598 1.573 1.723 1.706 1.829 1.701   1.594   11.10
89)  Benzo[a]pyrene
          0.803 1.168 1.291 1.432 1.496 1.773 1.731               1.385   24.30#
90)  Indeno[1,2,3-cd]pyrene
                0.999 1.149 1.330 1.434 1.716 1.709 1.856 1.854   1.506   21.74
           ----- Linear regression -----  Coefficient =  0.9973
             Response Ratio = -0.29988 + 1.89292 *A

91)  Dibenz[a,h]anthracene
          0.686 0.931 1.041 1.176 1.225 1.483 1.437 1.537 1.530   1.227   24.36
           ----- Linear regression -----  Coefficient =  0.9979
             Response Ratio = -0.15717 + 1.54806 *A

92)  Benzo[g,h,i]perylene
          0.981 1.185 1.274 1.452 1.477 1.768 1.682 1.841 1.786   1.494   20.16
       ----- Quadratic regression -----                Coefficient =  0.9979
             Response Ratio = -0.09285 + 1.67531 *A + 0.03073 *A^2

--------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          F122906.M         Thu Jan 25 12:32:50 2007   LPT1
```

6.7

6

Initial Calibration Verification

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSF1232-ICV1232
Lab FileID: F25065.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\F25065.D Vial: 9
Acq On : 29 Dec 2006 1:57 pm Operator: DougY
Sample : icv1232-50 Inst : HP5973_F
Misc : OP12527,MSF1232,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\F122906.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Sat Dec 30 08:20:22 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00	5.18
2	T	N-Nitrosodimethylamine		----------NA----------				
3	T	Pyridine		----------NA----------				
4	T	Methyl Methanesulfonate		----------NA----------				
5	T	Ethyl Methanesulfonate		----------NA----------				
6	T	Aniline		----------NA----------				
7	S	2-Fluorophenol	1.496	1.400	6.4	72	0.00	4.13
8	T	bis(2-Chloroethyl)ether		----------NA----------				
9	S	Phenol-d5	2.036	1.981	2.7	71	-0.01	4.91
10	C	Phenol	2.344	2.260	3.6	78	-0.01	4.92
11	M	2-Chlorophenol	1.460	1.418	2.9	77	0.00	5.03
12	T	1,3-Dichlorobenzene		----------NA----------				
13	C	1,4-Dichlorobenzene		----------NA----------				
14	T	1,2-Dichlorobenzene		----------NA----------				
15	T	Benzyl alcohol		----------NA----------				
16	T	bis(2-chloroisopropyl)eth		----------NA----------				
17	T	o-cresol	1.506	1.430	5.0	76	-0.01	5.43
18	T	Acetophenone		----------NA----------				
19	T	Hexachloroethane		----------NA----------				
20	P	N-Nitroso-di-n-propylamin		----------NA----------				
21	T	p-cresol	1.484	0.751	49.4#	42#	-0.02	5.55
22	T	m+p-cresols	1.484	0.751	49.4#	42#	-0.02	5.55
23	I	Naphthalene-d8	1.000	1.000	0.0	80	0.00	6.41
24	S	Nitrobenzene-d5	0.477	0.445	6.7	76	-0.01	5.70
25	T	Nitrobenzene		----------NA----------				
26	T	Isophorone		----------NA----------				
27	C	2-Nitrophenol	0.174	0.174	0.0	75	0.00	6.03
28	T	2,4-Dimethylphenol	0.429	0.400	6.8	74	0.00	6.05
29	T	bis(2-Chloroethoxy)methan		----------NA----------				
30	T	Benzoic acid	0.298	0.272	8.7	75	-0.03	6.18
31	C	2,4-Dichlorophenol	0.304	0.297	2.3	78	0.00	6.27
32	M	1,2,4-Trichlorobenzene		----------NA----------				
33	T	Naphthalene		----------NA----------				
34	T	2,6-Dichlorophenol	0.292	0.292	0.0	81	0.00	6.51
35	T	4-Chloroaniline		----------NA----------				
36	C	Hexachlorobutadiene		----------NA----------				
37	C	4-Chloro-3-methylphenol	0.343	0.345	-0.6	78	0.00	7.06
38	T	2-Methylnaphthalene		----------NA----------				
39	T	1-Methylnaphthalene		----------NA----------				
40	T	1,2,4,5-Tetrachlorobenzen		----------NA----------				

Initial Calibration Verification

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT
Sample: MSF1232-ICV1232
Lab FileID: F25065.D

41	I	Acenaphthene-d10	1.000	1.000	0.0	82	0.00	8.76
42	T	Pentachloronitrobenzene		----------NA----------				
43	P	Hexachlorocyclopentadiene		----------NA----------				
44	C	2,4,6-Trichlorophenol	0.421	0.402	4.5	79	0.00	7.65
45	T	2,4,5-Trichlorophenol	0.455	0.440	3.3	80	0.00	7.70
46	S	2-Fluorobiphenyl	1.418	1.428	-0.7	80	0.00	7.76
47	T	2-Chloronaphthalene		----------NA----------				
48	M	Acenaphthylene		----------NA----------				
49	T	Dimethylphthalate		----------NA----------				
50	T	2,6-Dinitrotoluene		----------NA----------				
51	C	Acenaphthene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
52	P	2,4-Dinitrophenol	50.000	38.549	22.9#	68	-0.01	8.89
		----------	AvgRF	CCRF	% Dev	----------		
53	T	Dibenzofuran		----------NA----------				
54	M	2,4-Dinitrotoluene		----------NA----------				
55	P	4-Nitrophenol	0.303	0.275	9.2	72	-0.01	9.01
56	T	2,3,4,6-Tetrachlorophenol	0.352	0.333	5.4	79	0.00	9.34
57	T	Fluorene		----------NA----------				
58	T	4-Chlorophenyl-phenylethe		----------NA----------				
59	T	Diethylphthalate		----------NA----------				
60	T	2-nitroaniline		----------NA----------				
61	T	3-nitroaniline		----------NA----------				
62	T	4-nitroaniline		----------NA----------				
63	I	Phenanthrene-d10	1.000	1.000	0.0	81	0.00	11.24
		----------	True	Calc.	% Drift	----------		
64	T	4,6-Dinitro-2-methylpheno	50.000	43.883	12.2	77	-0.02	9.82
		----------	AvgRF	CCRF	% Dev	----------		
65	C	n-Nitrosodiphenylamine		----------NA----------				
66	T	1,2-Diphenylhydrazine		----------NA----------				
67	S	2,4,6-Tribromophenol	0.147	0.130	11.6	70	-0.01	10.07
68	T	4-Bromophenyl-phenylether		----------NA----------				
69	T	Hexachlorobenzene		----------NA----------				
70	C	Pentachlorophenol	0.197	0.190	3.6	81	0.00	11.04
71	T	Phenanthrene		----------NA----------				
72	T	Anthracene		----------NA----------				
73	T	Carbazole		----------NA----------				
74	T	Di-n-butylphthalate		----------NA----------				
75	C	Fluoranthene		----------NA----------				
76	I	Chrysene-d12	1.000	1.000	0.0	81	0.00	16.17
		----------	True	Calc.	% Drift	----------		
77	T	Benzidine		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
78	M	Pyrene		----------NA----------				
79	S	Terphenyl-d14	1.053	0.881	16.3	71	-0.01	14.27
80	T	Butylbenzylphthalate		----------NA----------				
81	T	3,3'-Dichlorobenzidine		----------NA----------				
82	T	Benzo[a]anthracene		----------NA----------				
83	T	Chrysene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
84	T	bis(2-Ethylhexyl)phthalat		----------NA----------				

Initial Calibration Verification

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSF1232-ICV1232
Lab FileID: F25065.D

```
            ----------------------- AvgRF   CCRF     % Dev   -------------
85 I   Perylene-d12                 1.000   1.000      0.0   93   0.00   18.68
86 C   Di-n-octylphthalate                  ----------NA----------

            ----------------------- True    Calc.   % Drift  ------------
87 T   Benzo[b]fluoranthene                 ----------NA----------

            ----------------------- AvgRF   CCRF     % Dev   -------------
88 T   Benzo[k]fluoranthene                 ----------NA----------
89 C   Benzo[a]pyrene                       ----------NA----------

            ----------------------- True    Calc.   % Drift  ------------
90 T   Indeno[1,2,3-cd]pyrene               ----------NA----------
91 T   Dibenz[a,h]anthracene                ----------NA----------
92 T   Benzo[g,h,i]perylene                 ----------NA----------
-------------------------------------------------------------------------------

 ( 37.5 %)  9 of  24 compounds'%D > 20
-------------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    F25056.D   F122906.M        Sat Dec 30 08:28:49 2006   LPT1
```

6.7

6

Continuing Calibration Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSF1263-CC1232
Lab FileID: F25612.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\F25612.D Vial: 99
Acq On : 15 Jan 2007 4:01 pm Operator: PaulN
Sample : cc1232-50,50 ppb std Inst : HP5973_F
Misc : OP12467,MSF1263,,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\F122906A.M (RTE Integrator)
Title : EPA Method 625
Last Update : Mon Jan 01 14:05:33 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	-0.05	5.13
2	T	N-Nitrosodimethylamine	1.121	1.125	-0.4	84	-0.08	2.51
3	T	Pyridine	2.085	2.086	-0.0	84	-0.08	2.48
4	T	Methyl Methanesulfonate	1.012	1.004	0.8	84	-0.05	3.95
5	T	Ethyl Methanesulfonate	1.483	1.476	0.5	85	-0.05	4.56
6	T	Aniline	2.671	2.607	2.4	82	-0.05	4.89
7	S	2-Fluorophenol	1.496	1.520	-1.6	85	-0.05	4.08
8	T	bis(2-Chloroethyl)ether	1.779	1.754	1.4	84	-0.05	4.95
9	S	Phenol-d5	2.036	2.102	-3.2	88	-0.05	4.88
10	C	Phenol	2.344	2.484	-6.0	89	-0.05	4.89
11	M	2-Chlorophenol	1.460	1.501	-2.8	86	-0.05	4.99
12	T	1,3-Dichlorobenzene	1.572	1.602	-1.9	87	-0.05	5.10
13	C	1,4-Dichlorobenzene	1.608	1.635	-1.7	87	-0.05	5.15
14	T	1,2-Dichlorobenzene	1.493	1.515	-1.5	87	-0.05	5.32
15	T	Benzyl alcohol	1.109	0.947	14.6	76	-0.05	5.28
16	T	bis(2-chloroisopropyl)eth	1.569	1.578	-0.6	84	-0.05	5.41
17	T	o-cresol	1.506	1.660	-10.2	92	-0.05	5.39
18	T	Acetophenone	2.223	2.205	0.8	87	-0.06	5.52
19	T	Hexachloroethane	0.639	0.641	-0.3	84	-0.06	5.59
20	P	N-Nitroso-di-n-propylamin	1.238	1.270	-2.6	86	-0.07	5.54
21	T	p-cresol	1.484	1.558	-5.0	92	-0.05	5.52
22	T	m+p-cresols	1.484	1.558	-5.0	92	-0.05	5.52
23	I	Naphthalene-d8	1.000	1.000	0.0	87	-0.06	6.36
24	S	Nitrobenzene-d5	0.477	0.494	-3.6	88	-0.06	5.66
25	T	Nitrobenzene	0.507	0.525	-3.6	88	-0.06	5.67
26	T	Isophorone	0.820	0.830	-1.2	88	-0.06	5.90
27	C	2-Nitrophenol	0.174	0.202	-16.1	94	-0.06	5.98
28	T	2,4-Dimethylphenol	0.429	0.437	-1.9	87	-0.05	6.01
29	T	bis(2-Chloroethoxy)methan	0.509	0.500	1.8	85	-0.06	6.11
30	T	Benzoic acid	0.298	0.321	-7.7	96	-0.06	6.14
31	C	2,4-Dichlorophenol	0.304	0.314	-3.3	89	-0.05	6.22
32	M	1,2,4-Trichlorobenzene	0.331	0.332	-0.3	88	-0.06	6.31
33	T	Naphthalene	1.078	1.085	-0.6	87	-0.06	6.37
34	T	2,6-Dichlorophenol	0.292	0.301	-3.1	90	-0.06	6.46
35	T	4-Chloroaniline	0.451	0.460	-2.0	89	-0.06	6.46
36	C	Hexachlorobutadiene	0.196	0.197	-0.5	89	-0.06	6.57
37	C	4-Chloro-3-methylphenol	0.343	0.367	-7.0	89	-0.05	7.01
38	T	2-Methylnaphthalene	0.667	0.673	-0.9	88	-0.06	7.18
39	T	1-Methylnaphthalene		----------NA----------				
40	T	1,2,4,5-Tetrachlorobenzen	0.307	0.306	0.3	90	-0.06	7.46

Continuing Calibration Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSF1263-CC1232
Lab FileID: F25612.D

41	I	Acenaphthene-d10	1.000	1.000	0.0	90	-0.07	8.69
42	T	Pentachloronitrobenzene	0.158	0.164	-3.8	96	-0.08	11.13
43	P	Hexachlorocyclopentadiene	0.323	0.295	8.7	80	-0.06	7.48
44	C	2,4,6-Trichlorophenol	0.421	0.414	1.7	90	-0.06	7.60
45	T	2,4,5-Trichlorophenol	0.455	0.478	-5.1	96	-0.06	7.64
46	S	2-Fluorobiphenyl	1.418	1.390	2.0	90	-0.06	7.71
47	T	2-Chloronaphthalene	1.276	1.258	1.4	89	-0.06	7.84
48	M	Acenaphthylene	1.861	1.867	-0.3	89	-0.07	8.46
49	T	Dimethylphthalate	1.368	1.377	-0.7	91	-0.07	8.38
50	T	2,6-Dinitrotoluene	0.288	0.321	-11.5	100	-0.07	8.47
51	C	Acenaphthene	1.191	1.182	0.8	91	-0.07	8.75
52	P	2,4-Dinitrophenol	0.130	0.156	-20.0	122	-0.06	8.84
53	T	Dibenzofuran	1.737	1.734	0.2	91	-0.08	9.00
54	M	2,4-Dinitrotoluene	0.363	0.414	-14.0	100	-0.07	9.09
55	P	4-Nitrophenol	0.303	0.309	-2.0	90	-0.05	8.97
56	T	2,3,4,6-Tetrachlorophenol	0.352	0.368	-4.5	97	-0.06	9.28
57	T	Fluorene	1.350	1.372	-1.6	92	-0.08	9.56
58	T	4-Chlorophenyl-phenylethe	0.659	0.664	-0.8	93	-0.08	9.59
59	T	Diethylphthalate	1.297	1.278	1.5	90	-0.08	9.53
60	T	2-nitroaniline	0.416	0.449	-7.9	95	-0.06	8.04
61	T	3-nitroaniline	0.336	0.357	-6.2	95	-0.08	8.68
62	T	4-nitroaniline	0.329	0.348	-5.8	93	-0.08	9.69
63	I	Phenanthrene-d10	1.000	1.000	0.0	93	-0.08	11.17
64	T	4,6-Dinitro-2-methylpheno	0.125	0.153	-22.4#	110	-0.08	9.76
65	C	n-Nitrosodiphenylamine	0.622	0.637	-2.4	93	-0.08	9.81
66	T	1,2-Diphenylhydrazine	1.253	1.298	-3.6	91	-0.08	9.86
67	S	2,4,6-Tribromophenol	0.147	0.157	-6.8	98	-0.08	10.00
68	T	4-Bromophenyl-phenylether	0.267	0.271	-1.5	95	-0.08	10.42
69	T	Hexachlorobenzene	0.289	0.292	-1.0	95	-0.08	10.64
70	C	Pentachlorophenol	0.197	0.195	1.0	95	-0.07	10.97
71	T	Phenanthrene	1.302	1.322	-1.5	95	-0.08	11.22
72	T	Anthracene	1.278	1.288	-0.8	94	-0.08	11.30
73	T	Carbazole	1.136	1.157	-1.8	93	-0.07	11.63
74	T	Di-n-butylphthalate	1.293	1.342	-3.8	92	-0.07	12.48
75	C	Fluoranthene	1.197	1.225	-2.3	92	-0.08	13.39
76	I	Chrysene-d12	1.000	1.000	0.0	90	-0.08	16.10
77	T	Benzidine	0.393	0.309	21.4#	75	-0.08	13.72
78	M	Pyrene	1.433	1.481	-3.3	93	-0.08	13.79
79	S	Terphenyl-d14	1.053	1.093	-3.8	94	-0.08	14.21
80	T	Butylbenzylphthalate	0.606	0.634	-4.6	91	-0.08	15.28
81	T	3,3'-Dichlorobenzidine	0.548	0.549	-0.2	89	-0.08	16.13
82	T	Benzo[a]anthracene	1.240	1.271	-2.5	90	-0.08	16.07
83	T	Chrysene	1.113	1.110	0.3	89	-0.08	16.15
84	T	bis(2-Ethylhexyl)phthalat	0.739	0.833	-12.7	91	-0.08	16.48
85	I	Perylene-d12	1.000	1.000	0.0	87	-0.07	18.61
86	C	Di-n-octylphthalate	1.650	1.686	-2.2	89	-0.08	17.60
87	T	Benzo[b]fluoranthene	1.658	1.607	3.1	89	-0.08	18.01
88	T	Benzo[k]fluoranthene	1.594	1.564	1.9	87	-0.08	18.05
89	C	Benzo[a]pyrene	1.385	1.471	-6.2	86	-0.08	18.52
90	T	Indeno[1,2,3-cd]pyrene	1.506	1.425	5.4	87	-0.08	20.20
91	T	Dibenz[a,h]anthracene	1.227	1.224	0.2	87	-0.08	20.25
92	T	Benzo[g,h,i]perylene	1.494	1.505	-0.7	89	-0.08	20.56

(2.4 %) 2 of 85 compounds'%D > 20

Continuing Calibration Summary

Job Number: M61458
Account: XDD Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

Sample: MSF1263-CC1232
Lab FileID: F25612.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 F25056.D   F122906A.M       Tue Jan 16 13:49:22 2007   LPT1
```

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: HG121406W2.PRN Date Analyzed: 12/14/06 Methods: SW846 7470A
Analyst: MA Run ID: MA7667
Parameters: Hg

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:46	MA7667-STD1	1		STD01REP1
	11:48	MA7667-STD2	1		STD02REP1
	11:51	MA7667-STD3	1		STD03REP1
	11:53	MA7667-STD4	1		STD04REP1
	11:55	MA7667-STD5	1		STD05REP1
	11:57	MA7667-STD6	1		STD06REP1
	11:59	MA7667-STD7	1		STD07REP1
	12:01	MA7667-STD8	1		STD08REP1
	12:04	MA7667-STD9	1		STD09REP1
	13:07	MA7667-ICV1	1		
	13:09	MA7667-ICB1	1		
	13:11	MA7667-CRI1	1		
	13:13	MP9705-B1	1		
	13:16	MP9705-S1	1		
	13:18	MP9705-D1	1		
	13:20	MP9705-MB1	1		
	13:22	M61458-1	1		
	13:24	M61458-2	1		
	13:27	M61458-3	1		
	13:29	M61458-4	1		
---------->	Last reportable sample/prep for job M61458				
	13:31	ZZZZZZ	1		
	13:33	MA7667-CCV1	1		
	13:36	MA7667-CCB1	1		
	13:38	ZZZZZZ	1		
	13:40	ZZZZZZ	1		
	13:43	ZZZZZZ	1		
	13:45	ZZZZZZ	1		
	13:48	ZZZZZZ	1		
	13:50	ZZZZZZ	1		
	13:53	ZZZZZZ	1		
	13:56	ZZZZZZ	1		
	13:58	ZZZZZZ	1		
	14:01	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: HG121406W2.PRN Date Analyzed: 12/14/06 Methods: SW846 7470A
Analyst: MA Run ID: MA7667
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:03	MA7667-CCV2	1		
14:05	MA7667-CCB2	1		
14:07	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:19	MA7667-CRI2	1		
14:21	MA7667-CCV3	1		
14:24	MA7667-CCB3	1		

----------> Last reportable CCB for job M61458
Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: HG121406W2.PRN Date Analyzed: 12/14/06 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA7667 Units: ug/l

Time:			13:09		13:36		14:05		14:24	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.045	-0.068	<0.20	-0.037	<0.20	-0.010	<0.20	-0.011	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

7.1.1

7

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: HG121406W2.PRN Date Analyzed: 12/14/06 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA7667 Units: ug/l

Time:		13:07			13:33			14:03	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	4	3.9	97.5	3.0	3.0	100.0	3	3.2	106.7

(*) Outside of QC limits
(anr) Analyte not requested

7.1.2
7

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: HG121406W2.PRN Date Analyzed: 12/14/06 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA7667 Units: ug/l

Time:		14:21	
Sample ID:	CCV	CCV3	
Metal	True	Results	% Rec
Mercury	3	3.1	103.3

(*) Outside of QC limits
(anr) Analyte not requested

7.1.2
7

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: HG121406W2.PRN Date Analyzed: 12/14/06 Methods: SW846 7470A
QC Limits: to % Recovery Run ID: MA7667 Units: ug/l

Time:			13:11		14:19	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.24	120.0	0.21	105.0

(*) Outside of QC limits
(anr) Analyte not requested

7.1.3

7

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: IP1222M5.ASC Date Analyzed: 12/22/06 Methods: EPA 200.7
Analyst: PY Run ID: MA7697
Parameters: As,Ba,B,Cr,Cu,Pb,Ni,Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	12:11	MA7697-HSTD1	1		
	12:17	MA7697-HSTD2	1		
	12:24	MA7697-HSTD3	1		
	12:33	MA7697-ICV1	1		
	12:42	MA7697-ICB1	1		
	12:52	MA7697-CCV1	1		
	13:15	MA7697-CCB1	1		
	13:21	MA7697-CRIB1	1		
	13:28	MA7697-CRIB2	1		
	13:34	MA7697-ICSA1	1		
	13:41	MA7697-ICSAB1	1		
	13:47	MP9711-B1	1		
	13:54	MP9711-S1	1		
	14:00	MP9711-D1	1		
	14:06	MP9711-MB1	1		
	14:13	M61516-2	1		(sample used for QC only; not part of login M61458)
	14:19	MP9711-SD1	5		
	14:26	MA7697-CCV2	1		
	14:34	MA7697-CCB2	1		
	14:40	M61458-1	1		
	14:47	M61458-2	1		
	14:53	M61458-3	1		
	14:59	M61458-4	1		
---------->	Last reportable sample/prep for job M61458				
	15:06	ZZZZZZ	1		
	15:12	ZZZZZZ	1		
	15:19	ZZZZZZ	1		
	15:25	ZZZZZZ	1		
	15:32	ZZZZZZ	1		
	15:40	ZZZZZZ	1		
	15:46	MA7697-CCV3	1		
	15:57	MA7697-CCV4	1		
	16:06	MA7697-CCB3	1		
	16:12	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: IP1222M5.ASC Date Analyzed: 12/22/06 Methods: EPA 200.7
Analyst: PY Run ID: MA7697
Parameters: As,Ba,B,Cr,Cu,Pb,Ni,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:19	ZZZZZZ	1		
16:25	ZZZZZZ	1		
16:31	ZZZZZZ	1		
16:38	ZZZZZZ	5		
16:55	ZZZZZZ	50		
17:02	ZZZZZZ	200		
17:14	ZZZZZZ	200		
17:21	MA7697-CRIB3	1		
17:27	MA7697-CRIB4	1		
17:49	MA7697-CCV5	1		
17:56	MA7697-CCB4	1		
18:03	MA7697-ICSA2	1		
18:09	MA7697-ICSAB2	1		
18:38	MA7697-CCV6	1		
18:44	MA7697-CCB5	1		

----------> Last reportable CCB for job M61458
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: IP1222M5.ASC Date Analyzed: 12/22/06 Methods: EPA 200.7
Analyst: PY Run ID: MA7697
Parameters: As,Ba,B,Cr,Cu,Pb,Ni,Zn

Time	Sample Description	Istd#1
12:11	MA7697-HSTD1	3594
12:17	MA7697-HSTD2	3529
12:24	MA7697-HSTD3	3545
12:33	MA7697-ICV1	3541
12:42	MA7697-ICB1	3543 R
12:52	MA7697-CCV1	3545
13:15	MA7697-CCB1	3562
13:21	MA7697-CRIB1	3619
13:28	MA7697-CRIB2	3536
13:34	MA7697-ICSA1	3283
13:41	MA7697-ICSAB1	3220
13:47	MP9711-B1	3532
13:54	MP9711-S1	3388
14:00	MP9711-D1	3357
14:06	MP9711-MB1	3437
14:13	M61516-2	3369
14:19	MP9711-SD1	3470
14:26	MA7697-CCV2	3473
14:34	MA7697-CCB2	3515
14:40	M61458-1	3415
14:47	M61458-2	3376
14:53	M61458-3	3352
14:59	M61458-4	3367
15:06	ZZZZZZ	3389
15:12	ZZZZZZ	2889
15:19	ZZZZZZ	3323
15:25	ZZZZZZ	3134
15:32	ZZZZZZ	3114
15:40	ZZZZZZ	3387
15:46	MA7697-CCV3	3356
15:57	MA7697-CCV4	3412
16:06	MA7697-CCB3	3410
16:12	ZZZZZZ	3291

INTERNAL STANDARD SUMMARY

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: IP1222M5.ASC Date Analyzed: 12/22/06 Methods: EPA 200.7
Analyst: PY Run ID: MA7697
Parameters: As,Ba,B,Cr,Cu,Pb,Ni,Zn

Time	Sample Description	Istd#1
16:19	ZZZZZZ	3262
16:25	ZZZZZZ	3369
16:31	ZZZZZZ	3240
16:38	ZZZZZZ	3322
16:55	ZZZZZZ	3383
17:02	ZZZZZZ	3383
17:14	ZZZZZZ	3410
17:21	MA7697-CRIB3	3367
17:27	MA7697-CRIB4	3327
17:49	MA7697-CCV5	3468
17:56	MA7697-CCB4	3467
18:03	MA7697-ICSA2	3221
18:09	MA7697-ICSAB2	3188
18:38	MA7697-CCV6	3425
18:44	MA7697-CCB5	3370

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: IP1222M5.ASC Date Analyzed: 12/22/06 Methods: EPA 200.7
QC Limits: result < RL Run ID: MA7697 Units: ug/l

Time:			12:42		13:15		14:34		16:06	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	23	anr							
Antimony	6.0	2.9	anr							
Arsenic	10	3.1	-0.96	<10	0.23	<10	-0.93	<10	-0.23	<10
Barium	200	1.4	0.49	<200	0.48	<200	0.81	<200	0.74	<200
Beryllium	4.0	1.3	anr							
Boron	100	2.5	2.1	<100	1.7	<100	1.8	<100	2.2	<100
Cadmium	4.0	.31	anr							
Calcium	5000	9.8								
Chromium	10	1.3	0.18	<10	0.10	<10	0.24	<10	0.29	<10
Cobalt	50	2.2								
Copper	25	.83	0.35	<25	0.14	<25	0.78	<25	1.4	<25
Iron	100	30	anr							
Lead	5.0	1.6	-0.26	<5.0	-0.080	<5.0	-0.62	<5.0	-0.62	<5.0
Magnesium	5000	6.9	anr							
Manganese	15	.38	anr							
Molybdenum	100	1.6	anr							
Nickel	40	1.3	0.38	<40	0.050	<40	0.57	<40	0.040	<40
Potassium	5000	20								
Selenium	10	3.4	anr							
Silver	5.0	.59	anr							
Sodium	5000	150	anr							
Strontium	10	.24								
Thallium	10	4.8								
Tin	100	3.7								
Titanium	50	.87	anr							
Tungsten	100	4.7								
Vanadium	50	1								
Zinc	20	1.1	0.38	<20	0.30	<20	0.48	<20	0.20	<20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: IP1222M5.ASC Date Analyzed: 12/22/06 Methods: EPA 200.7
QC Limits: result < RL Run ID: MA7697 Units: ug/l

Time:			17:56		18:44	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	23	anr			
Antimony	6.0	2.9	anr			
Arsenic	10	3.1	-0.52	<10	0.25	<10
Barium	200	1.4	0.52	<200	0.53	<200
Beryllium	4.0	1.3	anr			
Boron	100	2.5	2.7	<100	2.1	<100
Cadmium	4.0	.31	anr			
Calcium	5000	9.8				
Chromium	10	1.3	0.020	<10	0.24	<10
Cobalt	50	2.2				
Copper	25	.83	0.050	<25	-0.82	<25
Iron	100	30	anr			
Lead	5.0	1.6	-0.71	<5.0	-0.41	<5.0
Magnesium	5000	6.9	anr			
Manganese	15	.38	anr			
Molybdenum	100	1.6	anr			
Nickel	40	1.3	0.24	<40	0.51	<40
Potassium	5000	20				
Selenium	10	3.4	anr			
Silver	5.0	.59	anr			
Sodium	5000	150	anr			
Strontium	10	.24				
Thallium	10	4.8				
Tin	100	3.7				
Titanium	50	.87	anr			
Tungsten	100	4.7				
Vanadium	50	1				
Zinc	20	1.1	0.49	<20	0.41	<20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: IP1222M5.ASC Date Analyzed: 12/22/06 Methods: EPA 200.7
QC Limits: 95 to 105 % Recovery Run ID: MA7697 Units: ug/l

Time: Sample ID: Metal	ICV True	12:33 ICV1 Results	% Rec	CCV True	12:52 CCV1 Results	% Rec	CCV True	14:26 CCV2 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	3000	2900	96.7	2000	1970	98.5	2000	2010	100.5
Barium	3000	2930	97.7	2000	1960	98.0	2000	2000	100.0
Beryllium	anr								
Boron	3000	2960	98.7	2000	1970	98.5	2000	2000	100.0
Cadmium	anr								
Calcium									
Chromium	3000	2900	96.7	2000	1950	97.5	2000	1980	99.0
Cobalt									
Copper	3000	2900	96.7	2000	1950	97.5	2000	2020	101.0
Iron	anr								
Lead	3000	2910	97.0	2000	1960	98.0	2000	1980	99.0
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	3000	2910	97.0	2000	1950	97.5	2000	1980	99.0
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium	anr								
Tungsten									
Vanadium									
Zinc	3000	2930	97.7	2000	1970	98.5	2000	1990	99.5

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: IP1222M5.ASC Date Analyzed: 12/22/06 Methods: EPA 200.7
QC Limits: 95 to 105 % Recovery Run ID: MA7697 Units: ug/l

Time:		15:46			15:57			17:49	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic				2000	2060	103.0	2000	2070	103.5
Barium				2000	2060	103.0	2000	2000	100.0
Beryllium									
Boron				2000	2060	103.0	2000	2040	102.0
Cadmium									
Calcium									
Chromium				2000	2050	102.5	2000	2030	101.5
Cobalt									
Copper				2000	2030	101.5	2000	2090	104.5
Iron									
Lead				2000	2040	102.0	2000	2040	102.0
Magnesium									
Manganese									
Molybdenum									
Nickel				2000	2030	101.5	2000	2070	103.5
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc				2000	2040	102.0	2000	2110	105.5(a)

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: IP1222M5.ASC Date Analyzed: 12/22/06 Methods: EPA 200.7
QC Limits: 95 to 105 % Recovery Run ID: MA7697 Units: ug/l

Time:		18:38	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	2000	2020	101.0
Barium	2000	1990	99.5
Beryllium	anr		
Boron	2000	2000	100.0
Cadmium	anr		
Calcium			
Chromium	2000	2000	100.0
Cobalt			
Copper	2000	2010	100.5
Iron	anr		
Lead	2000	1990	99.5
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	2000	2010	100.5
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium	anr		
Tungsten			
Vanadium			
Zinc	2000	2040	102.0

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: IP1222M5.ASC Date Analyzed: 12/22/06 Methods: EPA 200.7
QC Limits: 95 to 105 % Recovery Run ID: MA7697 Units: ug/l

Time:		12:11			12:17			12:24	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2		HSTD	HSTD3	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	4000	3950	98.8						
Barium	4000	3890	97.3						
Beryllium	anr								
Boron	4000	3940	98.5						
Cadmium	anr								
Calcium									
Chromium	4000	3940	98.5						
Cobalt									
Copper	4000	3900	97.5						
Iron									
Lead	4000	3960	99.0						
Magnesium									
Manganese	anr								
Molybdenum	anr								
Nickel	4000	3960	99.0						
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	4000	4010	100.3						

(*) Outside of QC limits
(anr) Analyte not requested

INITIAL LOW CALIBRATION CHECK STANDARD SUMMARY

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: IP1222M5.ASC Date Analyzed: 12/22/06 Methods: EPA 200.7
QC Limits: 80 to 120 % Recovery Run ID: MA7697 Units: ug/l

Time:		13:21		13:28		17:21		17:27	
Sample ID:	CRIB	CRIB1		CRIB2		CRIB3		CRIB4	
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	400								
Antimony	12								
Arsenic	8.0	7.3	91.3			8.1	101.3		
Barium	400	375	93.8			413	103.3		
Beryllium	8.0								
Boron	200	189	94.5			206	103.0		
Cadmium	8.0								
Calcium	10000								
Chromium	20	18.7	93.5			20.6	103.0		
Cobalt	100								
Copper	50	46.1	92.2			51.7	103.4		
Iron	200								
Lead	10	9.2	92.0			10.1	101.0		
Magnesium	10000								
Manganese	30								
Molybdenum	200								
Nickel	80	77.6	97.0			84.2	105.3		
Potassium	10000								
Selenium	20								
Silver	10								
Sodium	10000								
Strontium	20								
Thallium	10								
Tin	200								
Titanium	100								
Tungsten	100								
Vanadium	100								
Zinc	40	41.1	102.8			45.0	112.5		

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

File ID: IP1222M5.ASC Date Analyzed: 12/22/06 Methods: EPA 200.7
QC Limits: 80 to 120 % Recovery Run ID: MA7697 Units: ug/l

Time: / Sample ID: / Metal	ICSA True	ICSAB True	13:34 ICSA1 Results	% Rec	13:41 ICSAB1 Results	% Rec	18:03 ICSA2 Results	% Rec	18:09 ICSAB2 Results	% Rec
Aluminum	500000	500000	486000	97.2	491000	98.2	473000	94.6	478000	95.6
Antimony		2000	-1.3		1880	94.0	-1.4		1930	96.5
Arsenic		2000	-1.6		1960	98.0	-3.9		2030	101.5
Barium		500	3.2		522	104.4	3.3		524	104.8
Beryllium		500	-0.12		483	96.6	-0.37		494	98.8
Boron		1000	-23		988	98.8	-21		1010	101.0
Cadmium		1000	4.3		931	93.1	3.0		968	96.8
Calcium	500000	500000	452000	90.4	457000	91.4	458000	91.6	464000	92.8
Chromium		500	1.7		454	90.8	1.7		464	92.8
Cobalt		500	0.99		454	90.8	1.0		461	92.2
Copper		500	1.4		528	105.6	1.7		551	110.2
Iron	200000	200000	190000	95.0	191000	95.5	196000	98.0	197000	98.5
Lead		1000	1.7		940	94.0	-1.5		963	96.3
Magnesium	500000	500000	527000	105.4	536000	107.2	536000	107.2	546000	109.2
Manganese		500	-1.7		474	94.8	-1.6		477	95.4
Molybdenum		1000	5.0		973	97.3	6.7		998	99.8
Nickel		1000	0.84		917	91.7	0.48		951	95.1
Potassium			-1000		-1100		-1000		-1100	
Selenium		2000	-4.3		1940	97.0	-2.5		1970	98.5
Silver		1000	0.73		1040	104.0	0.62		1070	107.0
Sodium			-370		-3700		-340		-3700	
Strontium		1000	-4.7		864	86.4	-4.3		916	91.6
Thallium		2000	-6.5		1870	93.5	-2.8		1900	95.0
Tin		1000	-1.5		993	99.3	-0.98		1040	104.0
Titanium		500	0.67		492	98.4	1.0		517	103.4
Tungsten		2000	1.6		12.3	0.6*	1.6		12.5	0.6*
Vanadium		500	5.8		491	98.2	8.5		470	94.0
Zinc		1000	4.8		929	92.9	5.0		977	97.7

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

QC Batch ID: MP9705
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 12/14/06

Metal	RL	IDL	MB raw	final
Mercury	0.20	.045	-0.014	<0.20

Associated samples MP9705: M61458-1, M61458-2, M61458-3, M61458-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

7.3.1
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

QC Batch ID: MP9705
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 12/14/06 12/14/06

Metal	M61458-1 Original	MS	Spikelot HGRWS1	% Rec	QC Limits	M61458-1 Original	DUP	RPD	QC Limits
Mercury	0.0	2.8	3	93.3	75-125	0.0	0.0	NC	0-20

Associated samples MP9705: M61458-1, M61458-2, M61458-3, M61458-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

7.3.2
7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

QC Batch ID: MP9705
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 12/14/06

Metal	BSP Result	Spikelot HGRWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP9705: M61458-1, M61458-2, M61458-3, M61458-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

7.3.3

7

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

QC Batch ID: MP9711
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 12/14/06

Metal	RL	IDL	MB raw	final
Aluminum	200	23	anr	
Antimony	6.0	3.3	anr	
Arsenic	10	3.1	-1.0	<10
Barium	200	1.4	0.48	<200
Beryllium	4.0	1.3	anr	
Boron	100	2.5	1.1	<100
Cadmium	4.0	.31	anr	
Calcium	5000	9.8		
Chromium	10	1.3	0.13	<10
Cobalt	50	2.2		
Copper	25	.83	0.25	<25
Iron	100	30	anr	
Lead	5.0	1.6	-0.56	<5.0
Magnesium	5000	6.9	anr	
Manganese	15	.38	anr	
Molybdenum	100	1.6	anr	
Nickel	40	1.3	0.40	<40
Potassium	5000	20		
Selenium	10	3.4	anr	
Silver	5.0	.59	anr	
Sodium	5000	92	anr	
Strontium	10	.24		
Thallium	10	4.8		
Tin	100	3.7		
Titanium	50	.87	anr	
Tungsten	100	4.7		
Vanadium	50	1		
Zinc	20	1.1	1.6	<20

Associated samples MP9711: M61458-1, M61458-2, M61458-3, M61458-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

QC Batch ID: MP9711
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date:				12/14/06				12/14/06	
Metal	M61516-2 Original	MS	Spikelot MPIAWS1	% Rec	QC Limits	M61516-2 Original	DUP	RPD	QC Limits
Aluminum	anr								
Antimony	anr								
Arsenic	8.6	527	500	103.7	75-125	8.6	8.4	2.4	0-20
Barium	21.0	1980	2000	98.0	75-125	21.0	23.7	12.1	0-20
Beryllium	anr								
Boron	184	1230	1000	104.6	75-125	184	183	0.5	0-20
Cadmium	anr								
Calcium									
Chromium	3.3	479	500	95.1	75-125	3.3	3.4	3.0	0-20
Cobalt									
Copper	37.6	552	500	102.9	75-125	37.6	37.7	0.3	0-20
Iron	anr								
Lead	1.8	992	1000	99.0	75-125	1.8	2.0	10.5	0-20
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	10.7	491	500	96.1	75-125	10.7	10.7	0.0	0-20
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium	anr								
Tungsten									
Vanadium									
Zinc	14.5	513	500	99.7	75-125	14.5	15.1	4.1	0-20

Associated samples MP9711: M61458-1, M61458-2, M61458-3, M61458-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

QC Batch ID: MP9711
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 12/14/06

Metal	BSP Result	Spikelot MPIAWS1	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	520	500	104.0	80-120
Barium	1970	2000	98.5	80-120
Beryllium	anr			
Boron	1040	1000	104.0	80-120
Cadmium	anr			
Calcium				
Chromium	487	500	97.4	80-120
Cobalt				
Copper	507	500	101.4	80-120
Iron	anr			
Lead	1000	1000	100.0	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	491	500	98.2	80-120
Potassium				
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium	anr			
Tungsten				
Vanadium				
Zinc	511	500	102.2	80-120

Associated samples MP9711: M61458-1, M61458-2, M61458-3, M61458-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: M61458
Account: XDD - Xpert Diagnostic & Design
Project: UT Broadbrook 1-21 Brookside Drive Broadbrook CT

QC Batch ID: MP9711
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 12/14/06

Metal	M61516-2 Original	SDL 1:5	RPD	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	8.56	0.00	100.0(a)	0-10
Barium	21.0	26.5	26.3 (a)	0-10
Beryllium	anr			
Boron	184	191	3.6	0-10
Cadmium	anr			
Calcium				
Chromium	3.29	0.00	100.0(a)	0-10
Cobalt				
Copper	37.6	41.2	9.6	0-10
Iron	anr			
Lead	1.76	0.00	100.0(a)	0-10
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	10.7	10.2	4.4	0-10
Potassium				
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium	anr			
Tungsten				
Vanadium				
Zinc	14.5	20.6	42.2 (a)	0-10

Associated samples MP9711: M61458-1, M61458-2, M61458-3, M61458-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Report Date:
03-Mar-05 16:38

☐ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Xpert Design & Diagnostics (XDD), LLC
22 Marin Way, Unit 3
Stratham, NH 03885
Attn: Jaydeep Parikh

Project: Broad Brook - East Windsor, CT
Project #: 73282

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA24315-01	34 MILL	Drinking Water	17-Feb-05 10:40	18-Feb-05 15:00
SA24315-02	35B MILL	Drinking Water	17-Feb-05 10:50	18-Feb-05 15:00
SA24315-03	38 MILL	Drinking Water	17-Feb-05 10:55	18-Feb-05 15:00
SA24315-04	40 MILL	Drinking Water	17-Feb-05 11:00	18-Feb-05 15:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 30 pages of analytical data plus Chain of Custody document(s).
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Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
34 MILL SA24315-01	73282	Drinking Water	17-Feb-05 10:40	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
524.2 Purgeable Organic Compounds			Prepared by method	Volatiles						
67-64-1	Acetone	BRL	10.0 ug/l	1	EPA 524.2	22-Feb-05	23-Feb-05	5021100	kw	
107-13-1	Acrylonitrile	BRL	1.0 ug/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	0.5 ug/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	0.5 ug/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	0.5 ug/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 ug/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	0.5 ug/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	0.5 ug/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	0.5 ug/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	0.5 ug/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	0.5 ug/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.5 ug/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	0.5 ug/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	0.5 ug/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	0.5 ug/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	0.5 ug/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	0.5 ug/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	0.5 ug/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 ug/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	0.5 ug/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
34 MILL SA24315-01	73282	Drinking Water	17-Feb-05 10:40	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
524.2 Purgeable Organic Compounds			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l	1	EPA 524.2	22-Feb-05	23-Feb-05	5021100	kw	
75-09-2	Methylene chloride	BRL	0.5 ug/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	0.5 ug/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	0.5 ug/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	0.5 ug/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.5 ug/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	0.5 ug/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	0.5 ug/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	0.5 ug/l	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL	10.0 ug/l	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL	10.0 ug/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*96.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by EPA 625			Prepared by method	SW846 3535						
83-32-9	Acenaphthene	BRL	5.00 ug/l	1	EPA 625	23-Feb-05	26-Feb-05	5021136	M.B	
208-96-8	Acenaphthylene	BRL	5.00 ug/l	1	"	"	"	"	"	
62-53-3	Aniline	BRL	5.00 ug/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 ug/l	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	5.00 ug/l	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	5.00 ug/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 ug/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 ug/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 ug/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 ug/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 ug/l	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	5.00 ug/l	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
34 MILL SA24315-01	73282	Drinking Water	17-Feb-05 10:40	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by EPA 625			Prepared by method	SW846 3535						
100-51-6	Benzyl alcohol	BRL	5.00 ug/l	1	EPA 625	23-Feb-05	26-Feb-05	5021136	M.B	
111-91-1	Bis(2-chloroethoxy)methane	BRL	5.00 ug/l	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	5.00 ug/l	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	5.00 ug/l	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	5.00 ug/l	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	5.00 ug/l	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	5.00 ug/l	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	5.00 ug/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 ug/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.00 ug/l	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	5.00 ug/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
91-94-1	3,3´-Dichlorobenzidine	BRL	5.00 ug/l	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	5.00 ug/l	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	5.00 ug/l	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 ug/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.00 ug/l	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.00 ug/l	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	5.00 ug/l	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	5.00 ug/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 ug/l	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	5.00 ug/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 ug/l	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
108-39-4,106-44	3,4-Methylphenol	BRL	10.0 ug/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 ug/l	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
34 MILL SA24315-01	73282	Drinking Water	17-Feb-05 10:40	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by EPA 625			Prepared by method		SW846 3535					
88-75-5	2-Nitrophenol	BRL	5.00 ug/l	1	EPA 625	23-Feb-05	26-Feb-05	5021136	M.B	
100-02-7	4-Nitrophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	5.00 ug/l	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	5.00 ug/l	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	5.00 ug/l	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 ug/l	1	"	"	"	"	"	
108-95-2	Phenol	BRL	5.00 ug/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 ug/l	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	5.00 ug/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*77.6*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*70.0*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*70.8*	*30-130 %*		"	"	"	"	"	
	Phenol-d5	*66.6*	*15-110 %*		"	"	"	"	"	
	Terphenyl-dl4	*79.7*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*68.9*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7440-38-2	Arsenic	BRL	0.0180 mg/l	10	EPA 200.8	02-Mar-05	03-Mar-05	5030028	KS	
7440-42-8	Boron	BRL	0.0600 mg/l	1	EPA 200.7	"	03-Mar-05	5030027	RE	
7440-39-3	Barium	0.398	0.0030 mg/l	100	EPA 200.8	"	03-Mar-05	5030028	KS	
7440-47-3	Chromium	0.0003	0.0003 mg/l	10	"	"	"	"	"	
7440-50-8	Copper	0.0011	0.0003 mg/l	10	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00020 mg/l	1	EPA 245.2/7470A	"	03-Mar-05	5030029	YP	
7440-02-0	Nickel	BRL	0.0003 mg/l	10	EPA 200.8	"	03-Mar-05	5030028	KS	
7439-92-1	Lead	BRL	0.0004 mg/l	10	"	"	"	"	"	
7440-66-6	Zinc	0.0127	0.0009 mg/l	10	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
35B MILL SA24315-02	73282	Drinking Water	17-Feb-05 10:50	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
524.2 Purgeable Organic Compounds			Prepared by method	Volatiles						
67-64-1	Acetone	BRL	10.0 ug/l	1	EPA 524.2	22-Feb-05	23-Feb-05	5021100	kw	
107-13-1	Acrylonitrile	BRL	1.0 ug/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	0.5 ug/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	0.5 ug/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	0.5 ug/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 ug/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	0.5 ug/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	0.5 ug/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	0.5 ug/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	0.5 ug/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	0.5 ug/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.5 ug/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	0.5 ug/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	0.5 ug/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	0.5 ug/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	0.5 ug/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	0.5 ug/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	0.5 ug/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 ug/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	0.5 ug/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
35B MILL SA24315-02	73282	Drinking Water	17-Feb-05 10:50	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
524.2 Purgeable Organic Compounds			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l	1	EPA 524.2	22-Feb-05	23-Feb-05	5021100	kw	
75-09-2	Methylene chloride	BRL	0.5 ug/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	0.5 ug/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	0.5 ug/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	0.5 ug/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.5 ug/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	0.5 ug/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	0.5 ug/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	0.5 ug/l	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL	10.0 ug/l	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL	10.0 ug/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*95.6*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.2*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*	*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by EPA 625			Prepared by method	SW846 3535						
83-32-9	Acenaphthene	BRL	5.00 ug/l	1	EPA 625	23-Feb-05	26-Feb-05	5021136	M.B	
208-96-8	Acenaphthylene	BRL	5.00 ug/l	1	"	"	"	"	"	
62-53-3	Aniline	BRL	5.00 ug/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 ug/l	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	5.00 ug/l	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	5.00 ug/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 ug/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 ug/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 ug/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 ug/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 ug/l	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	5.00 ug/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
35B MILL SA24315-02	73282	Drinking Water	17-Feb-05 10:50	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by EPA 625			Prepared by method	SW846 3535						
100-51-6	Benzyl alcohol	BRL	5.00 ug/l	1	EPA 625	23-Feb-05	26-Feb-05	5021136	M.B	
111-91-1	Bis(2-chloroethoxy)methane	BRL	5.00 ug/l	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	5.00 ug/l	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	5.00 ug/l	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	5.00 ug/l	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	5.00 ug/l	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	5.00 ug/l	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	5.00 ug/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 ug/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.00 ug/l	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	5.00 ug/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
91-94-1	3,3´-Dichlorobenzidine	BRL	5.00 ug/l	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	5.00 ug/l	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	5.00 ug/l	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 ug/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.00 ug/l	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.00 ug/l	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	5.00 ug/l	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	5.00 ug/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 ug/l	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	5.00 ug/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 ug/l	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
108-39-4,106-44	3,4-Methylphenol	BRL	10.0 ug/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 ug/l	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
35B MILL SA24315-02	73282	Drinking Water	17-Feb-05 10:50	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by EPA 625			Prepared by method		SW846 3535					
88-75-5	2-Nitrophenol	BRL	5.00 ug/l	1	EPA 625	23-Feb-05	26-Feb-05	5021136	M.B	
100-02-7	4-Nitrophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	5.00 ug/l	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	5.00 ug/l	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	5.00 ug/l	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 ug/l	1	"	"	"	"	"	
108-95-2	Phenol	BRL	5.00 ug/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 ug/l	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	5.00 ug/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*75.1*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*67.2*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*68.3*	*30-130 %*		"	"	"	"	"	
	Phenol-d5	*62.4*	*15-110 %*		"	"	"	"	"	
	Terphenyl-dl4	*78.2*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*65.4*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7440-38-2	Arsenic	BRL	0.0180 mg/l	10	EPA 200.8	02-Mar-05	03-Mar-05	5030028	KS	
7440-42-8	Boron	BRL	0.0600 mg/l	1	EPA 200.7	"	03-Mar-05	5030027	RE	
7440-39-3	Barium	0.227	0.0003 mg/l	10	EPA 200.8	"	03-Mar-05	5030028	KS	
7440-47-3	Chromium	0.0010	0.0003 mg/l	10	"	"	"	"	"	
7440-50-8	Copper	0.0142	0.0003 mg/l	10	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00020 mg/l	1	EPA 245.2/7470A	"	03-Mar-05	5030029	YP	
7440-02-0	Nickel	0.0010	0.0003 mg/l	10	EPA 200.8	"	03-Mar-05	5030028	KS	
7439-92-1	Lead	BRL	0.0004 mg/l	10	"	"	"	"	"	
7440-66-6	Zinc	0.0086	0.0009 mg/l	10	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
38 MILL SA24315-03	73282	Drinking Water	17-Feb-05 10:55	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
524.2 Purgeable Organic Compounds			Prepared by method	Volatiles						
67-64-1	Acetone	BRL	10.0 ug/l	1	EPA 524.2	22-Feb-05	23-Feb-05	5021100	kw	
107-13-1	Acrylonitrile	BRL	1.0 ug/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	0.5 ug/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	0.5 ug/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	0.5 ug/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 ug/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	0.5 ug/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	0.5 ug/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	0.5 ug/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	0.5 ug/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	0.5 ug/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.5 ug/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	0.5 ug/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	0.5 ug/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	0.5 ug/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	0.5 ug/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	0.5 ug/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	0.5 ug/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 ug/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	0.5 ug/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
38 MILL SA24315-03	73282	Drinking Water	17-Feb-05 10:55	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
524.2 Purgeable Organic Compounds			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l	1	EPA 524.2	22-Feb-05	23-Feb-05	5021100	kw	
75-09-2	Methylene chloride	BRL	0.5 ug/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	0.5 ug/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	0.5 ug/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	0.5 ug/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.5 ug/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	0.5 ug/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	0.5 ug/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	0.5 ug/l	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL	10.0 ug/l	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL	10.0 ug/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*96.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99.2*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by EPA 625			Prepared by method	SW846 3535						
83-32-9	Acenaphthene	BRL	5.00 ug/l	1	EPA 625	23-Feb-05	26-Feb-05	5021136	M.B	
208-96-8	Acenaphthylene	BRL	5.00 ug/l	1	"	"	"	"	"	
62-53-3	Aniline	BRL	5.00 ug/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 ug/l	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	5.00 ug/l	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	5.00 ug/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 ug/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 ug/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 ug/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 ug/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 ug/l	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	5.00 ug/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
38 MILL SA24315-03	73282	Drinking Water	17-Feb-05 10:55	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by EPA 625			Prepared by method	SW846 3535						
100-51-6	Benzyl alcohol	BRL	5.00 ug/l	1	EPA 625	23-Feb-05	26-Feb-05	5021136	M.B	
111-91-1	Bis(2-chloroethoxy)methane	BRL	5.00 ug/l	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	5.00 ug/l	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	5.00 ug/l	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	5.00 ug/l	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	5.00 ug/l	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	5.00 ug/l	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	5.00 ug/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 ug/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.00 ug/l	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	5.00 ug/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
91-94-1	3,3´-Dichlorobenzidine	BRL	5.00 ug/l	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	5.00 ug/l	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	5.00 ug/l	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 ug/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.00 ug/l	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.00 ug/l	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	5.00 ug/l	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	5.00 ug/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 ug/l	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	5.00 ug/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 ug/l	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
108-39-4,106-44	3,4-Methylphenol	BRL	10.0 ug/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 ug/l	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
38 MILL SA24315-03	73282	Drinking Water	17-Feb-05 10:55	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by EPA 625			Prepared by method		SW846 3535					
88-75-5	2-Nitrophenol	BRL	5.00 ug/l	1	EPA 625	23-Feb-05	26-Feb-05	5021136	M.B	
100-02-7	4-Nitrophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	5.00 ug/l	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	5.00 ug/l	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	5.00 ug/l	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 ug/l	1	"	"	"	"	"	
108-95-2	Phenol	BRL	5.00 ug/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 ug/l	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	5.00 ug/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*75.8*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*65.8*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*68.3*	*30-130 %*		"	"	"	"	"	
	Phenol-d5	*62.4*	*15-110 %*		"	"	"	"	"	
	Terphenyl-dl4	*80.6*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*65.4*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7440-38-2	Arsenic	BRL	0.0180 mg/l	10	EPA 200.8	02-Mar-05	03-Mar-05	5030028	KS	
7440-42-8	Boron	BRL	0.0600 mg/l	1	EPA 200.7	"	03-Mar-05	5030027	RE	
7440-39-3	Barium	0.445	0.0030 mg/l	100	EPA 200.8	"	03-Mar-05	5030028	KS	
7440-47-3	Chromium	0.0010	0.0003 mg/l	10	"	"	"	"	"	
7440-50-8	Copper	0.0151	0.0003 mg/l	10	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00020 mg/l	1	EPA 245.2/7470A	"	03-Mar-05	5030029	YP	
7440-02-0	Nickel	0.0026	0.0003 mg/l	10	EPA 200.8	"	03-Mar-05	5030028	KS	
7439-92-1	Lead	0.0007	0.0004 mg/l	10	"	"	"	"	"	
7440-66-6	Zinc	0.0275	0.0009 mg/l	10	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
40 MILL SA24315-04	73282	Drinking Water	17-Feb-05 11:00	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
524.2 Purgeable Organic Compounds			Prepared by method	Volatiles						
67-64-1	Acetone	BRL	10.0 ug/l	1	EPA 524.2	22-Feb-05	23-Feb-05	5021100	kw	
107-13-1	Acrylonitrile	BRL	1.0 ug/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	0.5 ug/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	0.5 ug/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	0.5 ug/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 ug/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	0.5 ug/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	0.5 ug/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	0.5 ug/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	0.5 ug/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	0.5 ug/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	0.5 ug/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.5 ug/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	0.5 ug/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	0.5 ug/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	0.5 ug/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	0.5 ug/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	0.5 ug/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	0.5 ug/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 ug/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	0.5 ug/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
40 MILL SA24315-04	73282	Drinking Water	17-Feb-05 11:00	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
524.2 Purgeable Organic Compounds			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l	1	EPA 524.2	22-Feb-05	23-Feb-05	5021100	kw	
75-09-2	Methylene chloride	BRL	0.5 ug/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	0.5 ug/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	0.5 ug/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	0.5 ug/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	0.5 ug/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.5 ug/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	0.5 ug/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	0.5 ug/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	0.5 ug/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	0.5 ug/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	0.5 ug/l	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL	10.0 ug/l	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL	0.5 ug/l	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL	10.0 ug/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*95.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*101*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by EPA 625			Prepared by method	SW846 3535						
83-32-9	Acenaphthene	BRL	5.00 ug/l	1	EPA 625	23-Feb-05	26-Feb-05	5021136	M.B	
208-96-8	Acenaphthylene	BRL	5.00 ug/l	1	"	"	"	"	"	
62-53-3	Aniline	BRL	5.00 ug/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 ug/l	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	5.00 ug/l	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	5.00 ug/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 ug/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 ug/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 ug/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 ug/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 ug/l	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	5.00 ug/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
40 MILL SA24315-04	73282	Drinking Water	17-Feb-05 11:00	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by EPA 625			Prepared by method	SW846 3535						
100-51-6	Benzyl alcohol	BRL	5.00 ug/l	1	EPA 625	23-Feb-05	26-Feb-05	5021136	M.B	
111-91-1	Bis(2-chloroethoxy)methane	BRL	5.00 ug/l	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	5.00 ug/l	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	5.00 ug/l	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	5.00 ug/l	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	5.00 ug/l	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	5.00 ug/l	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	5.00 ug/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 ug/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.00 ug/l	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	5.00 ug/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
91-94-1	3,3´-Dichlorobenzidine	BRL	5.00 ug/l	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	5.00 ug/l	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	5.00 ug/l	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	5.00 ug/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 ug/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.00 ug/l	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.00 ug/l	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	5.00 ug/l	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	5.00 ug/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 ug/l	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	5.00 ug/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 ug/l	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	5.00 ug/l	1	"	"	"	"	"	
108-39-4,106-44	3,4-Methylphenol	BRL	10.0 ug/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 ug/l	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	5.00 ug/l	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
40 MILL SA24315-04	73282	Drinking Water	17-Feb-05 11:00	18-Feb-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by EPA 625			Prepared by method		SW846 3535					
88-75-5	2-Nitrophenol	BRL	5.00 ug/l	1	EPA 625	23-Feb-05	26-Feb-05	5021136	M.B	
100-02-7	4-Nitrophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	5.00 ug/l	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	5.00 ug/l	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	5.00 ug/l	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 ug/l	1	"	"	"	"	"	
108-95-2	Phenol	BRL	5.00 ug/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 ug/l	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	5.00 ug/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.00 ug/l	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	5.00 ug/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*77.4*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*69.0*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*69.6*	*30-130 %*		"	"	"	"	"	
	Phenol-d5	*65.9*	*15-110 %*		"	"	"	"	"	
	Terphenyl-dl4	*80.1*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*66.6*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7440-38-2	Arsenic	BRL	0.0180 mg/l	10	EPA 200.8	02-Mar-05	03-Mar-05	5030028	KS	
7440-42-8	Boron	BRL	0.0600 mg/l	1	EPA 200.7	"	03-Mar-05	5030027	RE	
7440-39-3	Barium	0.245	0.0003 mg/l	10	EPA 200.8	"	03-Mar-05	5030028	KS	
7440-47-3	Chromium	0.0015	0.0003 mg/l	10	"	"	"	"	"	
7440-50-8	Copper	0.0110	0.0003 mg/l	10	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00020 mg/l	1	EPA 245.2/7470A	"	03-Mar-05	5030029	YP	
7440-02-0	Nickel	0.0014	0.0003 mg/l	10	EPA 200.8	"	03-Mar-05	5030028	KS	
7439-92-1	Lead	BRL	0.0004 mg/l	10	"	"	"	"	"	
7440-66-6	Zinc	0.0099	0.0009 mg/l	10	"	"	"	"	"	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5021100 - Volatiles										
Blank (5021100-BLK1)				Prepared & Analyzed: 22-Feb-05						
Acetone	BRL	10.0	ug/l							
Acrylonitrile	BRL	1.0	ug/l							
Benzene	BRL	0.5	ug/l							
Bromobenzene	BRL	0.5	ug/l							
Bromochloromethane	BRL	0.5	ug/l							
Bromodichloromethane	BRL	0.5	ug/l							
Bromoform	BRL	0.5	ug/l							
Bromomethane	BRL	0.5	ug/l							
2-Butanone (MEK)	BRL	10.0	ug/l							
n-Butylbenzene	BRL	0.5	ug/l							
sec-Butylbenzene	BRL	0.5	ug/l							
tert-Butylbenzene	BRL	0.5	ug/l							
Carbon disulfide	BRL	0.5	ug/l							
Carbon tetrachloride	BRL	0.5	ug/l							
Chlorobenzene	BRL	0.5	ug/l							
Chloroethane	BRL	0.5	ug/l							
Chloroform	BRL	0.5	ug/l							
Chloromethane	BRL	0.5	ug/l							
2-Chlorotoluene	BRL	0.5	ug/l							
4-Chlorotoluene	BRL	0.5	ug/l							
1,2-Dibromo-3-chloropropane	BRL	0.5	ug/l							
Dibromochloromethane	BRL	0.5	ug/l							
1,2-Dibromoethane (EDB)	BRL	0.5	ug/l							
Dibromomethane	BRL	0.5	ug/l							
1,2-Dichlorobenzene	BRL	0.5	ug/l							
1,3-Dichlorobenzene	BRL	0.5	ug/l							
1,4-Dichlorobenzene	BRL	0.5	ug/l							
Dichlorodifluoromethane (Freon12)	BRL	0.5	ug/l							
1,1-Dichloroethane	BRL	0.5	ug/l							
1,2-Dichloroethane	BRL	0.5	ug/l							
1,1-Dichloroethene	BRL	0.5	ug/l							
cis-1,2-Dichloroethene	BRL	0.5	ug/l							
trans-1,2-Dichloroethene	BRL	0.5	ug/l							
1,2-Dichloropropane	BRL	0.5	ug/l							
1,3-Dichloropropane	BRL	0.5	ug/l							
2,2-Dichloropropane	BRL	0.5	ug/l							
1,1-Dichloropropene	BRL	0.5	ug/l							
cis-1,3-Dichloropropene	BRL	0.5	ug/l							
trans-1,3-Dichloropropene	BRL	0.5	ug/l							
Ethylbenzene	BRL	0.5	ug/l							
Hexachlorobutadiene	BRL	0.5	ug/l							
2-Hexanone (MBK)	BRL	10.0	ug/l							
Isopropylbenzene	BRL	0.5	ug/l							
4-Isopropyltoluene	BRL	0.5	ug/l							
Methyl tert-butyl ether	BRL	0.5	ug/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	ug/l							
Methylene chloride	BRL	0.5	ug/l							
Naphthalene	BRL	0.5	ug/l							
n-Propylbenzene	BRL	0.5	ug/l							
Styrene	BRL	0.5	ug/l							
1,1,1,2-Tetrachloroethane	BRL	0.5	ug/l							
1,1,2,2-Tetrachloroethane	BRL	0.5	ug/l							
Tetrachloroethene	BRL	0.5	ug/l							
Toluene	BRL	0.5	ug/l							

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5021100 - Volatiles										
Blank (5021100-BLK1)				Prepared & Analyzed: 22-Feb-05						
1,2,3-Trichlorobenzene	BRL	0.5	ug/l							
1,2,4-Trichlorobenzene	BRL	0.5	ug/l							
1,1,1-Trichloroethane	BRL	0.5	ug/l							
1,1,2-Trichloroethane	BRL	0.5	ug/l							
Trichloroethene	BRL	0.5	ug/l							
Trichlorofluoromethane (Freon 11)	BRL	0.5	ug/l							
1,2,3-Trichloropropane	BRL	0.5	ug/l							
1,2,4-Trimethylbenzene	BRL	0.5	ug/l							
1,3,5-Trimethylbenzene	BRL	0.5	ug/l							
Vinyl chloride	BRL	0.5	ug/l							
m,p-Xylene	BRL	1.0	ug/l							
o-Xylene	BRL	0.5	ug/l							
Tetrahydrofuran	BRL	10.0	ug/l							
Tert-amyl methyl ether	BRL	0.5	ug/l							
Ethyl tert-butyl ether	BRL	0.5	ug/l							
Di-isopropyl ether	BRL	0.5	ug/l							
Tert-Butanol / butyl alcohol	BRL	10.0	ug/l							
Surrogate: 4-Bromofluorobenzene	*48.2*		ug/l	*50.0*		*96.4*	*80-120*			
Surrogate: Toluene-d8	*49.5*		ug/l	*50.0*		*99.0*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*53.3*		ug/l	*50.0*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*52.0*		ug/l	*50.0*		*104*	*80-120*			
LCS (5021100-BS1)				Prepared & Analyzed: 22-Feb-05						
Acetone	30.5		ug/l	20.0		152	70-130			QC-1
Acrylonitrile	20.1		ug/l	20.0		100	70-130			
Benzene	20.4		ug/l	20.0		102	80-120			
Bromobenzene	21.1		ug/l	20.0		106	80-120			
Bromochloromethane	21.6		ug/l	20.0		108	80-120			
Bromodichloromethane	22.3		ug/l	20.0		112	80-120			
Bromoform	21.3		ug/l	20.0		106	80-120			
Bromomethane	19.4		ug/l	20.0		97.0	80-120			
2-Butanone (MEK)	21.1		ug/l	20.0		106	70-130			
n-Butylbenzene	20.0		ug/l	20.0		100	80-120			
sec-Butylbenzene	21.6		ug/l	20.0		108	80-120			
tert-Butylbenzene	20.5		ug/l	20.0		102	80-120			
Carbon disulfide	18.4		ug/l	20.0		92.0	70-130			
Carbon tetrachloride	18.4		ug/l	20.0		92.0	80-120			
Chlorobenzene	20.9		ug/l	20.0		104	80-120			
Chloroethane	19.5		ug/l	20.0		97.5	80-120			
Chloroform	20.6		ug/l	20.0		103	80-120			
Chloromethane	17.3		ug/l	20.0		86.5	80-120			
2-Chlorotoluene	21.0		ug/l	20.0		105	80-120			
4-Chlorotoluene	20.8		ug/l	20.0		104	80-120			
1,2-Dibromo-3-chloropropane	19.5		ug/l	20.0		97.5	80-120			
Dibromochloromethane	22.0		ug/l	20.0		110	80-120			
1,2-Dibromoethane (EDB)	21.8		ug/l	20.0		109	80-120			
Dibromomethane	22.0		ug/l	20.0		110	80-120			
1,2-Dichlorobenzene	22.2		ug/l	20.0		111	80-120			
1,3-Dichlorobenzene	21.7		ug/l	20.0		108	80-120			
1,4-Dichlorobenzene	21.5		ug/l	20.0		108	80-120			
Dichlorodifluoromethane (Freon12)	20.1		ug/l	20.0		100	80-120			
1,1-Dichloroethane	20.0		ug/l	20.0		100	80-120			
1,2-Dichloroethane	20.7		ug/l	20.0		104	80-120			
1,1-Dichloroethene	18.6		ug/l	20.0		93.0	80-120			
cis-1,2-Dichloroethene	19.5		ug/l	20.0		97.5	80-120			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5021100 - Volatiles										
LCS (5021100-BS1)				Prepared & Analyzed: 22-Feb-05						
trans-1,2-Dichloroethene	19.9		ug/l	20.0		99.5	80-120			
1,2-Dichloropropane	20.2		ug/l	20.0		101	80-120			
1,3-Dichloropropane	21.2		ug/l	20.0		106	80-120			
2,2-Dichloropropane	13.0		ug/l	20.0		65.0	80-120			QC-1
1,1-Dichloropropene	20.1		ug/l	20.0		100	80-120			
cis-1,3-Dichloropropene	18.6		ug/l	20.0		93.0	80-120			
trans-1,3-Dichloropropene	17.2		ug/l	20.0		86.0	80-120			
Ethylbenzene	20.4		ug/l	20.0		102	80-120			
Hexachlorobutadiene	19.7		ug/l	20.0		98.5	80-120			
2-Hexanone (MBK)	21.9		ug/l	20.0		110	70-130			
Isopropylbenzene	21.0		ug/l	20.0		105	80-120			
4-Isopropyltoluene	22.3		ug/l	20.0		112	80-120			
Methyl tert-butyl ether	17.4		ug/l	20.0		87.0	80-120			
4-Methyl-2-pentanone (MIBK)	18.7		ug/l	20.0		93.5	70-130			
Methylene chloride	18.5		ug/l	20.0		92.5	80-120			
Naphthalene	23.3		ug/l	20.0		116	80-120			
n-Propylbenzene	20.7		ug/l	20.0		104	80-120			
Styrene	20.6		ug/l	20.0		103	80-120			
1,1,1,2-Tetrachloroethane	19.4		ug/l	20.0		97.0	80-120			
1,1,2,2-Tetrachloroethane	21.1		ug/l	20.0		106	80-120			
Tetrachloroethene	20.9		ug/l	20.0		104	80-120			
Toluene	20.2		ug/l	20.0		101	80-120			
1,2,3-Trichlorobenzene	22.2		ug/l	20.0		111	80-120			
1,2,4-Trichlorobenzene	21.0		ug/l	20.0		105	80-120			
1,1,1-Trichloroethane	17.9		ug/l	20.0		89.5	80-120			
1,1,2-Trichloroethane	21.8		ug/l	20.0		109	80-120			
Trichloroethene	20.5		ug/l	20.0		102	80-120			
Trichlorofluoromethane (Freon 11)	21.5		ug/l	20.0		108	80-120			
1,2,3-Trichloropropane	21.1		ug/l	20.0		106	80-120			
1,2,4-Trimethylbenzene	21.0		ug/l	20.0		105	80-120			
1,3,5-Trimethylbenzene	20.3		ug/l	20.0		102	80-120			
Vinyl chloride	19.8		ug/l	20.0		99.0	80-120			
m,p-Xylene	40.5		ug/l	40.0		101	80-120			
o-Xylene	20.8		ug/l	20.0		104	80-120			
Tetrahydrofuran	16.6		ug/l	20.0		83.0	70-130			
Tert-amyl methyl ether	28.4		ug/l	20.0		142	70-130			QC-1
Ethyl tert-butyl ether	14.0		ug/l	20.0		70.0	70-130			
Di-isopropyl ether	15.7		ug/l	20.0		78.5	70-130			
Tert-Butanol / butyl alcohol	112		ug/l	200		56.0	70-130			QC-1
Surrogate: 4-Bromofluorobenzene	*48.4*		ug/l	*50.0*		*96.8*	*80-120*			
Surrogate: Toluene-d8	*49.6*		ug/l	*50.0*		*99.2*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*49.9*		ug/l	*50.0*		*99.8*	*80-120*			
Surrogate: Dibromofluoromethane	*50.4*		ug/l	*50.0*		*101*	*80-120*			
Matrix Spike (5021100-MS1)		**Source: SA24300-01**		Prepared & Analyzed: 22-Feb-05						
Benzene	18.4		ug/l	20.0	BRL	92.0	80-120			
Chlorobenzene	20.0		ug/l	20.0	BRL	100	80-120			
1,1-Dichloroethene	18.6		ug/l	20.0	BRL	93.0	80-120			
Toluene	19.1		ug/l	20.0	BRL	95.5	80-120			
Trichloroethene	20.1		ug/l	20.0	BRL	100	80-120			
Surrogate: 4-Bromofluorobenzene	*48.1*		ug/l	*50.0*		*96.2*	*80-120*			
Surrogate: Toluene-d8	*49.4*		ug/l	*50.0*		*98.8*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*53.3*		ug/l	*50.0*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*51.8*		ug/l	*50.0*		*104*	*80-120*			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5021100 - Volatiles										
Matrix Spike Dup (5021100-MSD1)		**Source: SA24300-01**		Prepared & Analyzed: 22-Feb-05						
Benzene	18.8		ug/l	20.0	BRL	94.0	80-120	2.15	20	
Chlorobenzene	20.4		ug/l	20.0	BRL	102	80-120	1.98	20	
1,1-Dichloroethene	18.8		ug/l	20.0	BRL	94.0	80-120	1.07	20	
Toluene	19.5		ug/l	20.0	BRL	97.5	80-120	2.07	20	
Trichloroethene	20.2		ug/l	20.0	BRL	101	80-120	0.995	20	
Surrogate: 4-Bromofluorobenzene	*48.4*		ug/l	*50.0*		*96.8*	*80-120*			
Surrogate: Toluene-d8	*49.7*		ug/l	*50.0*		*99.4*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*53.9*		ug/l	*50.0*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*52.1*		ug/l	*50.0*		*104*	*80-120*			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5021136 - SW846 3535										
Blank (5021136-BLK1)				Prepared: 23-Feb-05 Analyzed: 25-Feb-05						
Acenaphthene	BRL	5.00	ug/l							
Acenaphthylene	BRL	5.00	ug/l							
Aniline	BRL	5.00	ug/l							
Anthracene	BRL	5.00	ug/l							
Azobenzene/Diphenyldiazine	BRL	5.00	ug/l							
Benzidine	BRL	5.00	ug/l							
Benzo (a) anthracene	BRL	5.00	ug/l							
Benzo (a) pyrene	BRL	5.00	ug/l							
Benzo (b) fluoranthene	BRL	5.00	ug/l							
Benzo (g,h,i) perylene	BRL	5.00	ug/l							
Benzo (k) fluoranthene	BRL	5.00	ug/l							
Benzoic acid	BRL	5.00	ug/l							
Benzyl alcohol	BRL	5.00	ug/l							
Bis(2-chloroethoxy)methane	BRL	5.00	ug/l							
Bis(2-chloroethyl)ether	BRL	5.00	ug/l							
Bis(2-chloroisopropyl)ether	BRL	5.00	ug/l							
Bis(2-ethylhexyl)phthalate	BRL	5.00	ug/l							
4-Bromophenyl phenyl ether	BRL	5.00	ug/l							
Butyl benzyl phthalate	BRL	5.00	ug/l							
Carbazole	BRL	5.00	ug/l							
4-Chloro-3-methylphenol	BRL	5.00	ug/l							
4-Chloroaniline	BRL	5.00	ug/l							
2-Chloronaphthalene	BRL	5.00	ug/l							
2-Chlorophenol	BRL	5.00	ug/l							
4-Chlorophenyl phenyl ether	BRL	5.00	ug/l							
Chrysene	BRL	5.00	ug/l							
Dibenzo (a,h) anthracene	BRL	5.00	ug/l							
Dibenzofuran	BRL	5.00	ug/l							
1,2-Dichlorobenzene	BRL	5.00	ug/l							
1,3-Dichlorobenzene	BRL	5.00	ug/l							
1,4-Dichlorobenzene	BRL	5.00	ug/l							
3,3´-Dichlorobenzidine	BRL	5.00	ug/l							
2,4-Dichlorophenol	BRL	5.00	ug/l							
Diethyl phthalate	BRL	5.00	ug/l							
Dimethyl phthalate	BRL	5.00	ug/l							
2,4-Dimethylphenol	BRL	5.00	ug/l							
Di-n-butyl phthalate	BRL	5.00	ug/l							
4,6-Dinitro-2-methylphenol	BRL	5.00	ug/l							
2,4-Dinitrophenol	BRL	5.00	ug/l							
2,4-Dinitrotoluene	BRL	5.00	ug/l							
2,6-Dinitrotoluene	BRL	5.00	ug/l							
Di-n-octyl phthalate	BRL	5.00	ug/l							
Fluoranthene	BRL	5.00	ug/l							
Fluorene	BRL	5.00	ug/l							
Hexachlorobenzene	BRL	5.00	ug/l							
Hexachlorobutadiene	BRL	5.00	ug/l							
Hexachlorocyclopentadiene	BRL	5.00	ug/l							
Hexachloroethane	BRL	5.00	ug/l							
Indeno (1,2,3-cd) pyrene	BRL	5.00	ug/l							
Isophorone	BRL	5.00	ug/l							
2-Methylnaphthalene	BRL	5.00	ug/l							
2-Methylphenol	BRL	5.00	ug/l							
3,4-Methylphenol	BRL	10.0	ug/l							
Naphthalene	BRL	5.00	ug/l							

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5021136 - SW846 3535										
Blank (5021136-BLK1)				Prepared: 23-Feb-05 Analyzed: 25-Feb-05						
2-Nitroaniline	BRL	5.00	ug/l							
3-Nitroaniline	BRL	5.00	ug/l							
4-Nitroaniline	BRL	5.00	ug/l							
Nitrobenzene	BRL	5.00	ug/l							
2-Nitrophenol	BRL	5.00	ug/l							
4-Nitrophenol	BRL	5.00	ug/l							
N-Nitrosodimethylamine	BRL	5.00	ug/l							
N-Nitrosodi-n-propylamine	BRL	5.00	ug/l							
N-Nitrosodiphenylamine	BRL	5.00	ug/l							
Pentachlorophenol	BRL	5.00	ug/l							
Phenanthrene	BRL	5.00	ug/l							
Phenol	BRL	5.00	ug/l							
Pyrene	BRL	5.00	ug/l							
Pyridine	BRL	5.00	ug/l							
1,2,4-Trichlorobenzene	BRL	5.00	ug/l							
2,4,5-Trichlorophenol	BRL	5.00	ug/l							
2,4,6-Trichlorophenol	BRL	5.00	ug/l							
Surrogate: 2-Fluorobiphenyl	*70.8*		ug/l	*100*		*70.8*	*30-130*			
Surrogate: 2-Fluorophenol	*67.3*		ug/l	*100*		*67.3*	*15-110*			
Surrogate: Nitrobenzene-d5	*67.1*		ug/l	*100*		*67.1*	*30-130*			
Surrogate: Phenol-d5	*65.8*		ug/l	*100*		*65.8*	*15-110*			
Surrogate: Terphenyl-dl4	*79.0*		ug/l	*100*		*79.0*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*78.4*		ug/l	*100*		*78.4*	*15-110*			
LCS (5021136-BS1)				Prepared: 23-Feb-05 Analyzed: 25-Feb-05						
Acenaphthene	68.1	5.00	ug/l	100		68.1	40-140			
Acenaphthylene	70.8	5.00	ug/l	100		70.8	40-140			
Aniline	60.7	5.00	ug/l	100		60.7	40-140			
Anthracene	73.3	5.00	ug/l	100		73.3	40-140			
Azobenzene/Diphenyldiazine	67.1	5.00	ug/l	100		67.1	40-140			
Benzidine	30.1	5.00	ug/l	100		30.1	40-140			QC-1
Benzo (a) anthracene	70.8	5.00	ug/l	100		70.8	40-140			
Benzo (a) pyrene	75.4	5.00	ug/l	100		75.4	40-140			
Benzo (b) fluoranthene	76.5	5.00	ug/l	100		76.5	40-140			
Benzo (g,h,i) perylene	81.4	5.00	ug/l	100		81.4	40-140			
Benzo (k) fluoranthene	56.1	5.00	ug/l	100		56.1	40-140			
Benzoic acid	82.8	5.00	ug/l	100		82.8	30-130			
Benzyl alcohol	66.6	5.00	ug/l	100		66.6	40-140			
Bis(2-chloroethoxy)methane	64.1	5.00	ug/l	100		64.1	40-140			
Bis(2-chloroethyl)ether	62.0	5.00	ug/l	100		62.0	40-140			
Bis(2-chloroisopropyl)ether	66.0	5.00	ug/l	100		66.0	40-140			
Bis(2-ethylhexyl)phthalate	78.3	5.00	ug/l	100		78.3	40-140			
4-Bromophenyl phenyl ether	74.5	5.00	ug/l	100		74.5	40-140			
Butyl benzyl phthalate	76.8	5.00	ug/l	100		76.8	40-140			
Carbazole	71.3	5.00	ug/l	100		71.3	0-200			
4-Chloro-3-methylphenol	72.8	5.00	ug/l	100		72.8	30-130			
4-Chloroaniline	57.8	5.00	ug/l	100		57.8	40-140			
2-Chloronaphthalene	64.6	5.00	ug/l	100		64.6	40-140			
2-Chlorophenol	65.5	5.00	ug/l	100		65.5	30-130			
4-Chlorophenyl phenyl ether	72.0	5.00	ug/l	100		72.0	40-140			
Chrysene	74.8	5.00	ug/l	100		74.8	40-140			
Dibenzo (a,h) anthracene	57.8	5.00	ug/l	100		57.8	40-140			
Dibenzofuran	68.6	5.00	ug/l	100		68.6	40-140			
1,2-Dichlorobenzene	61.2	5.00	ug/l	100		61.2	40-140			
1,3-Dichlorobenzene	62.5	5.00	ug/l	100		62.5	40-140			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5021136 - SW846 3535										
LCS (5021136-BS1)				Prepared: 23-Feb-05 Analyzed: 25-Feb-05						
1,4-Dichlorobenzene	60.0	5.00	ug/l	100		60.0	40-140			
3,3´-Dichlorobenzidine	73.5	5.00	ug/l	100		73.5	40-140			
2,4-Dichlorophenol	69.4	5.00	ug/l	100		69.4	30-130			
Diethyl phthalate	72.5	5.00	ug/l	100		72.5	40-140			
Dimethyl phthalate	70.0	5.00	ug/l	100		70.0	40-140			
2,4-Dimethylphenol	67.4	5.00	ug/l	100		67.4	30-130			
Di-n-butyl phthalate	76.5	5.00	ug/l	100		76.5	40-140			
4,6-Dinitro-2-methylphenol	80.3	5.00	ug/l	100		80.3	30-130			
2,4-Dinitrophenol	89.8	5.00	ug/l	100		89.8	30-130			
2,4-Dinitrotoluene	82.0	5.00	ug/l	100		82.0	40-140			
2,6-Dinitrotoluene	77.6	5.00	ug/l	100		77.6	40-140			
Di-n-octyl phthalate	62.9	5.00	ug/l	100		62.9	40-140			
Fluoranthene	76.8	5.00	ug/l	100		76.8	40-140			
Fluorene	71.7	5.00	ug/l	100		71.7	40-140			
Hexachlorobenzene	72.9	5.00	ug/l	100		72.9	40-140			
Hexachlorobutadiene	60.3	5.00	ug/l	100		60.3	40-140			
Hexachlorocyclopentadiene	50.4	5.00	ug/l	100		50.4	40-140			
Hexachloroethane	58.9	5.00	ug/l	100		58.9	40-140			
Indeno (1,2,3-cd) pyrene	74.5	5.00	ug/l	100		74.5	40-140			
Isophorone	62.9	5.00	ug/l	100		62.9	40-140			
2-Methylnaphthalene	65.2	5.00	ug/l	100		65.2	40-140			
2-Methylphenol	68.0	5.00	ug/l	100		68.0	40-140			
3,4-Methylphenol	80.0	10.0	ug/l	100		80.0	40-140			
Naphthalene	66.3	5.00	ug/l	100		66.3	40-140			
2-Nitroaniline	74.9	5.00	ug/l	100		74.9	40-140			
3-Nitroaniline	68.2	5.00	ug/l	100		68.2	40-140			
4-Nitroaniline	73.0	5.00	ug/l	100		73.0	40-140			
Nitrobenzene	62.1	5.00	ug/l	100		62.1	40-140			
2-Nitrophenol	72.4	5.00	ug/l	100		72.4	30-130			
4-Nitrophenol	49.0	5.00	ug/l	100		49.0	30-130			
N-Nitrosodimethylamine	59.8	5.00	ug/l	100		59.8	40-140			
N-Nitrosodi-n-propylamine	66.9	5.00	ug/l	100		66.9	40-140			
N-Nitrosodiphenylamine	73.5	5.00	ug/l	100		73.5	40-140			
Pentachlorophenol	97.8	5.00	ug/l	100		97.8	30-130			
Phenanthrene	71.1	5.00	ug/l	100		71.1	40-140			
Phenol	67.2	5.00	ug/l	100		67.2	30-130			
Pyrene	72.2	5.00	ug/l	100		72.2	40-140			
Pyridine	48.5	5.00	ug/l	100		48.5	40-140			
1,2,4-Trichlorobenzene	61.8	5.00	ug/l	100		61.8	40-140			
2,4,5-Trichlorophenol	71.8	5.00	ug/l	100		71.8	30-130			
2,4,6-Trichlorophenol	73.1	5.00	ug/l	100		73.1	30-130			
Surrogate: 2-Fluorobiphenyl	*70.6*		ug/l	*100*		*70.6*	*30-130*			
Surrogate: 2-Fluorophenol	*61.1*		ug/l	*100*		*61.1*	*15-110*			
Surrogate: Nitrobenzene-d5	*65.4*		ug/l	*100*		*65.4*	*30-130*			
Surrogate: Phenol-d5	*57.5*		ug/l	*100*		*57.5*	*15-110*			
Surrogate: Terphenyl-dl4	*75.1*		ug/l	*100*		*75.1*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*84.2*		ug/l	*100*		*84.2*	*15-110*			
Duplicate (5021136-DUP1)		**Source: SA24351-01**		Prepared: 23-Feb-05 Analyzed: 26-Feb-05						
Acenaphthene	BRL	5.00	ug/l		BRL				30	
Acenaphthylene	BRL	5.00	ug/l		BRL				30	
Aniline	BRL	5.00	ug/l		BRL				30	
Anthracene	BRL	5.00	ug/l		BRL				30	
Azobenzene/Diphenyldiazine	BRL	5.00	ug/l		BRL				30	
Benzidine	BRL	5.00	ug/l		BRL				30	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5021136 - SW846 3535										
Duplicate (5021136-DUP1)		**Source: SA24351-01**		Prepared: 23-Feb-05 Analyzed: 26-Feb-05						
Benzo (a) anthracene	BRL	5.00	ug/l		BRL				30	
Benzo (a) pyrene	BRL	5.00	ug/l		BRL				30	
Benzo (b) fluoranthene	BRL	5.00	ug/l		BRL				30	
Benzo (g,h,i) perylene	BRL	5.00	ug/l		BRL				30	
Benzo (k) fluoranthene	BRL	5.00	ug/l		BRL				30	
Benzoic acid	BRL	5.00	ug/l		BRL				30	
Benzyl alcohol	BRL	5.00	ug/l		BRL				30	
Bis(2-chloroethoxy)methane	BRL	5.00	ug/l		BRL				30	
Bis(2-chloroethyl)ether	BRL	5.00	ug/l		BRL				30	
Bis(2-chloroisopropyl)ether	BRL	5.00	ug/l		BRL				30	
Bis(2-ethylhexyl)phthalate	BRL	5.00	ug/l		BRL				30	
4-Bromophenyl phenyl ether	BRL	5.00	ug/l		BRL				30	
Butyl benzyl phthalate	BRL	5.00	ug/l		BRL				30	
Carbazole	BRL	5.00	ug/l		BRL				30	
4-Chloro-3-methylphenol	BRL	5.00	ug/l		BRL				30	
4-Chloroaniline	BRL	5.00	ug/l		BRL				30	
2-Chloronaphthalene	BRL	5.00	ug/l		BRL				30	
2-Chlorophenol	BRL	5.00	ug/l		BRL				30	
4-Chlorophenyl phenyl ether	BRL	5.00	ug/l		BRL				30	
Chrysene	BRL	5.00	ug/l		BRL				30	
Dibenzo (a,h) anthracene	BRL	5.00	ug/l		BRL				30	
Dibenzofuran	BRL	5.00	ug/l		BRL				30	
1,2-Dichlorobenzene	BRL	5.00	ug/l		BRL				30	
1,3-Dichlorobenzene	BRL	5.00	ug/l		BRL				30	
1,4-Dichlorobenzene	BRL	5.00	ug/l		BRL				30	
3,3´-Dichlorobenzidine	BRL	5.00	ug/l		BRL				30	
2,4-Dichlorophenol	BRL	5.00	ug/l		BRL				30	
Diethyl phthalate	BRL	5.00	ug/l		BRL				30	
Dimethyl phthalate	BRL	5.00	ug/l		BRL				30	
2,4-Dimethylphenol	BRL	5.00	ug/l		BRL				30	
Di-n-butyl phthalate	BRL	5.00	ug/l		BRL				30	
4,6-Dinitro-2-methylphenol	BRL	5.00	ug/l		BRL				30	
2,4-Dinitrophenol	BRL	5.00	ug/l		BRL				30	
2,4-Dinitrotoluene	BRL	5.00	ug/l		BRL				30	
2,6-Dinitrotoluene	BRL	5.00	ug/l		BRL				30	
Di-n-octyl phthalate	BRL	5.00	ug/l		BRL				30	
Fluoranthene	BRL	5.00	ug/l		BRL				30	
Fluorene	BRL	5.00	ug/l		BRL				30	
Hexachlorobenzene	BRL	5.00	ug/l		BRL				30	
Hexachlorobutadiene	BRL	5.00	ug/l		BRL				30	
Hexachlorocyclopentadiene	BRL	5.00	ug/l		BRL				30	
Hexachloroethane	BRL	5.00	ug/l		BRL				30	
Indeno (1,2,3-cd) pyrene	BRL	5.00	ug/l		BRL				30	
Isophorone	BRL	5.00	ug/l		BRL				30	
2-Methylnaphthalene	BRL	5.00	ug/l		BRL				30	
2-Methylphenol	BRL	5.00	ug/l		BRL				30	
3,4-Methylphenol	BRL	10.0	ug/l		BRL				50	
Naphthalene	BRL	5.00	ug/l		BRL				30	
2-Nitroaniline	BRL	5.00	ug/l		BRL				30	
3-Nitroaniline	BRL	5.00	ug/l		BRL				30	
4-Nitroaniline	BRL	5.00	ug/l		BRL				30	
Nitrobenzene	BRL	5.00	ug/l		BRL				30	
2-Nitrophenol	BRL	5.00	ug/l		BRL				30	
4-Nitrophenol	BRL	5.00	ug/l		BRL				30	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5021136 - SW846 3535										
Duplicate (5021136-DUP1)		**Source: SA24351-01**		Prepared: 23-Feb-05 Analyzed: 26-Feb-05						
N-Nitrosodimethylamine	BRL	5.00	ug/l		BRL				30	
N-Nitrosodi-n-propylamine	BRL	5.00	ug/l		BRL				30	
N-Nitrosodiphenylamine	BRL	5.00	ug/l		BRL				30	
Pentachlorophenol	BRL	5.00	ug/l		BRL				30	
Phenanthrene	BRL	5.00	ug/l		BRL				30	
Phenol	BRL	5.00	ug/l		BRL				30	
Pyrene	BRL	5.00	ug/l		BRL				30	
Pyridine	BRL	5.00	ug/l		BRL				30	
1,2,4-Trichlorobenzene	BRL	5.00	ug/l		BRL				30	
2,4,5-Trichlorophenol	BRL	5.00	ug/l		BRL				30	
2,4,6-Trichlorophenol	BRL	5.00	ug/l		BRL				30	
Surrogate: 2-Fluorobiphenyl	*154*		ug/l	*200*		*77.0*	*30-130*			
Surrogate: 2-Fluorophenol	*135*		ug/l	*200*		*67.5*	*15-110*			
Surrogate: Nitrobenzene-d5	*139*		ug/l	*200*		*69.5*	*30-130*			
Surrogate: Phenol-d5	*131*		ug/l	*200*		*65.5*	*15-110*			
Surrogate: Terphenyl-dl4	*157*		ug/l	*200*		*78.5*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*139*		ug/l	*200*		*69.5*	*15-110*			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5030027 - EPA 200 Series										
Blank (5030027-BLK1)				Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Boron	BRL	0.0600	mg/l							
LCS (5030027-BS1)				Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Boron	0.0450	0.0010	mg/l	0.0500		90.0	85-115			
Duplicate (5030027-DUP1)		**Source: SA24315-03**		Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Boron	BRL	0.0600	mg/l		0.0578			1.39	20	
Matrix Spike (5030027-MS1)		**Source: SA24315-04**		Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Boron	1.16	0.0050	mg/l	0.100	0.0222	NR	70-130			QM-07
Matrix Spike Dup (5030027-MSD1)		**Source: SA24315-04**		Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Boron	0.118	0.0050	mg/l	0.100	0.0222	95.8	70-130	163	20	QR-05
Batch 5030028 - EPA 200 Series										
Blank (5030028-BLK1)				Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Zinc	BRL	0.0009	mg/l							
Lead	BRL	0.0004	mg/l							
Barium	0.0012	0.0003	mg/l							QB-01
Chromium	BRL	0.0003	mg/l							
Copper	BRL	0.0003	mg/l							
Nickel	BRL	0.0003	mg/l							
Arsenic	BRL	0.0180	mg/l							
LCS (5030028-BS1)				Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Zinc	0.0499	0.0009	mg/l	0.0500		99.8	85-115			
Lead	0.0500	0.0004	mg/l	0.0500		100	85-115			
Chromium	0.0481	0.0003	mg/l	0.0500		96.2	85-115			
Arsenic	0.0568	0.0180	mg/l	0.0500		114	85-115			
Nickel	0.0467	0.0003	mg/l	0.0500		93.4	85-115			
Barium	0.0479	0.0003	mg/l	0.0500		95.8	85-115			
Copper	0.0474	0.0003	mg/l	0.0500		94.8	85-115			
Duplicate (5030028-DUP1)		**Source: SA24315-03**		Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Zinc	0.0384	0.0009	mg/l		0.0275			33.1	20	QR-05
Lead	0.0008	0.0004	mg/l		0.0007			13.3	20	
Barium	0.452	0.0030	mg/l		0.445			1.56	20	
Chromium	0.0012	0.0003	mg/l		0.0010			18.2	20	
Copper	0.0155	0.0003	mg/l		0.0151			2.61	20	
Arsenic	BRL	0.0180	mg/l		0.0145			20.4	20	QR-04
Nickel	0.0025	0.0003	mg/l		0.0026			3.92	20	
Matrix Spike (5030028-MS1)		**Source: SA24315-04**		Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Lead	0.100	0.0004	mg/l	0.100	BRL	100	70-130			
Zinc	0.114	0.0009	mg/l	0.100	0.0099	104	70-130			
Nickel	0.0927	0.0003	mg/l	0.100	0.0014	91.3	70-130			
Barium	0.374	0.0003	mg/l	0.100	0.245	129	70-130			
Copper	0.104	0.0003	mg/l	0.100	0.0110	93.0	70-130			
Chromium	0.0937	0.0003	mg/l	0.100	0.0015	92.2	70-130			
Arsenic	0.118	0.0180	mg/l	0.100	0.0158	102	70-130			
Matrix Spike Dup (5030028-MSD1)		**Source: SA24315-04**		Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Lead	0.0992	0.0004	mg/l	0.100	BRL	99.2	70-130	0.803	20	
Zinc	0.113	0.0009	mg/l	0.100	0.0099	103	70-130	0.881	20	
Copper	0.0995	0.0003	mg/l	0.100	0.0110	88.5	70-130	4.42	20	
Chromium	0.0923	0.0003	mg/l	0.100	0.0015	90.8	70-130	1.51	20	
Barium	0.364	0.0003	mg/l	0.100	0.245	119	70-130	2.71	20	
Arsenic	0.115	0.0180	mg/l	0.100	0.0158	99.2	70-130	2.58	20	
Nickel	0.0904	0.0003	mg/l	0.100	0.0014	89.0	70-130	2.51	20	

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5030029 - EPA200/SW7000 Series										
Blank (5030029-BLK1)				Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Mercury	BRL	0.00020	mg/l							
LCS (5030029-BS1)				Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Mercury	0.00312	0.00012	mg/l	0.00312		100	80-120			
Duplicate (5030029-DUP1)		**Source: SA24315-01**		Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Mercury	BRL	0.00020	mg/l		0.00006			28.6	20	QR-04
Matrix Spike (5030029-MS1)		**Source: SA24315-02**		Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Mercury	0.00241	0.00020	mg/l	0.00312	0.00009	74.4	75-125			QM-07
Matrix Spike Dup (5030029-MSD1)		**Source: SA24315-02**		Prepared: 02-Mar-05 Analyzed: 03-Mar-05						
Mercury	0.00217	0.00020	mg/l	0.00312	0.00009	66.7	75-125	10.5	20	QM-07

Notes and Definitions

QB-01	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC-1	Analyte out of acceptance range.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-04	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR-05	RPD out of acceptance range.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

SA24318 03/04

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: XDD, LLC
22 MARIN WAY UNIT 3
STRATHAM, NH 03885

Project Mgr.: JAYDEEP PARIKH

Invoice To: SAME

P.O. No.: _____ RQN: _____

Project No.: 73282
Site Name: BROAD BROOK
Location: EAST WINDSOR State: CT
Sampler(s): TED BRIGHTWELL / DEP

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs - 524.2	SVOCs - 625	METALS - ARSENIC BARIUM, CHROMIUM COPPER, LEAD,	NICKEL, MERCURY ZINC & BORON				QA Reporting Notes: (check if needed)
SA24318-01	34 MILL	2/17/05	10:40	G	DW		2	1		1	X	X	X	X	X			State specific reporting standards *If applicable, please list below.* _____ ☐ Provide MCP CAM Report Were all field QC requirements met as per MADEP CAM Section 2.0? ☐ Yes ☐ No *(Response required for CAM report)*
-02	35B MILL	2/17/05	10:50	G	DW		2	1		1	X	X	X	X	X			CONNECTICUT DRINKING WATER STANDARDS
-03	38 MILL	2/17/05	10:55	G	DW		2	1		1	X	X	X	X	X			
-04	40 MILL	2/17/05	11:00	G	DW		2	1		1	X	X	X	X	X			

☐ Fax results when available to (____) _____
[x] E-mail to PARIKH@XDD-LLC.COM
[x] EDD Format PARIKH@XDD-LLC.COM
Condition upon receipt: ☐ Iced ☐ Ambient [x] °C 5

Relinquished by:	Received by:	Date:	Time:
Jaydeep Parikh	[signature]	2/18/05	1000
[signature]	[signature]	2/18/05	1500

IN COOLER

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit