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May 16, 2007

Received

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REMEDICATION &  
REDEVELOPMENT

Mr. Jim Walden  
Wisconsin Department of Natural Resources  
PO Box 7921  
Madison WI 53707-7921

Subject: Soil Excavation Documentation Report  
Fire Technology Center and R&D Grounds – Fuel Distribution System Upgrade  
Project  
Tyco Safety Products, Ansul Incorporated  
Marinette, Wisconsin  
WDNR BRRTS No. 03-38-001345  
WDNR FID No. 438005590

Dear Mr. Walden:

Earth Tech, Inc. (Earth Tech) is pleased to submit the enclosed Soil Excavation Documentation Report for the Tyco Safety Products, Ansul Incorporated, Fire Technology Center and R&D Grounds located at 2700 Industrial Parkway South, in Marinette, Wisconsin. This report is submitted in general accordance with the requirements of NR 724.15 "Documentation of Construction and Completion".

Please call me if you have any questions or need additional information.

Respectfully Submitted,

Earth Tech, Inc.

David S. Henderson, P.E.  
Senior Project Manager

cc: Ms. Maritsa Goan, Tyco Safety Products  
Mr. John Perkins, Tyco Safety Products  
Mr. Doug Graham, Earth Tech

Enclosure: As noted



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*Report*

## **Soil Excavation Documentation**

# **Fire Technology Center and R&D Grounds – Fuel Distribution System Upgrade Project**

**2700 Industrial Parkway South  
Marinette, Wisconsin**

**FID No. 438005590  
BRRTS No. 03-38-001345**

*Prepared for:*

Tyco Safety Products, Ansul Incorporated  
One Stanton Street  
Marinette, Wisconsin 54143

*Prepared by:*

Earth Tech, Inc.  
1020 North Broadway, Suite 400  
Milwaukee, WI 53202

May 2007

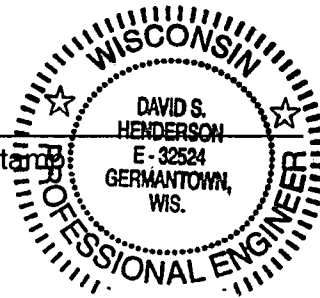
**CERTIFICATION**

I, David Henderson, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, information contained in this document is correct and the document was prepared in compliance with applicable requirements in Chs. NR 700 to 726, Wis. Adm. Code.

D.S. Henderson

David S. Henderson, P.E.  
Senior Project Manager

5/17/07  
Date & P.E. Stamp



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## **EXECUTIVE SUMMARY**

Earth Tech, Inc. was retained by Tyco Safety Products, Ansul Incorporated in May 2005 to perform a series of projects on the Fire Technology Center and Research and Development fuel distribution system including testing, demolition, and upgrade activities. The Fire Technology Center is located at 2700 Industrial Parkway South, Marinette Wisconsin. The Site has been identified by the Wisconsin Department of Natural Resources under the Bureau of Remediation and Redevelopment Tracking System (BRRTs) No. 03-38-001345.

Earth Tech prepared this report to present results from the excavation and disposal of petroleum impacted soil that occurred during the demolition and upgrade phases of the project. Earth Tech conducted these activities in accordance with Wisconsin Administrative Code Chapters NR 700 through NR 747 and Chapter NR 141. This report is submitted in general accordance with the requirements of NR 724.15 "Documentation of Construction and Completion".

The first phase of construction work for the project began in January 2006 with removal/abandonment in place of the existing fuel distribution piping and demolition of a select number of fire training structures including excavations of associated petroleum contaminated soils. Construction for the upgraded fuel distribution system, along with several new fire training pans and props, occurred during the summer and fall of 2006.

In total, 3,212.94 tons (approximately 4,820 cubic yards) of petroleum contaminated soil was excavated, transported to, and disposed of at the Waste Management landfill facility located in Menominee, Michigan. In addition, 106.07 tons of concrete that exhibited petroleum staining was transported to the landfill for disposal as construction and demolition debris.

Based on confirmation soil sampling analytical results, field instrumentation readings, and construction observations, residual petroleum contamination appears to exist in six general areas on the Fire Technology Center training field.

Groundwater is being monitored on a quarterly basis to document contaminant concentrations and to evaluate the effectiveness of natural attenuation as a final remedial action. Monitoring program results are submitted to the Wisconsin Department of Natural Resources.

## **1.0 INTRODUCTION**

Earth Tech, Inc. (Earth Tech) was retained by Tyco Safety Products (TSP), Ansul Incorporated in May 2005 to perform a series of projects on the Fire Technology Center (FTC) and Research and Development (R&D) fuel distribution system including testing, demolition, and upgrade activities. The FTC is located at the 2700 Industrial Parkway South, Marinette Wisconsin (the Site). The Site has been identified by the Wisconsin Department of Natural Resources (WDNR) under the Bureau of Remediation and Redevelopment Tracking System (BRRTs) No. 03-38-001345.

Earth Tech prepared this report to present the results from the soil excavation and associated investigation activities that occurred during the demolition and upgrade phases of the project. Earth Tech conducted these excavation and investigation activities in accordance with Wisconsin rules and regulations in effect at the time of the work. Specifically, Wisconsin Administrative Code (WAC) Chapters NR 700 through NR 747 and Chapter NR 141.

This report is submitted in general accordance with the requirements of NR 724.15 "Documentation of Construction and Completion".

## **2.0 BACKGROUND INFORMATION**

### **2.1 Site Description**

The Site is located at 2700 Industrial Parkway South in the City of Marinette, Marinette County, Wisconsin. The public land survey description is the NE ¼ of the NE ¼ of Section 13, Township 30 North, Range 23 East. A Project Location map is presented on the Drawings Title Sheet and the general pre-demolition site features are presented on Figure C-1.

### **2.2 Regional Geology**

The topography of the site is generally flat. The Soil Survey of Marinette County, Wisconsin identifies the soils at the FTC training field as Udorthents loam<sup>1</sup>. Previous investigations have classified these soils by the Unified Soil Classification System (USCS) as poorly graded sand (SP) to silty sand (SM) from the ground surface to the depth of the investigated interval, approximately 33 feet below ground surface (bgs).

### **2.3 Regional Hydrogeology**

Excavation occurred as part of the demolition excavation activities in January 2006, and groundwater was encountered at a depth of approximately 7 feet bgs. Historical groundwater elevation data<sup>2</sup> suggests that the depth to groundwater at the site varies seasonally across the site. Regional groundwater flow appears to be east and northeast, towards the Bay of Green Bay.

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<sup>1</sup> Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Official Soil Series Descriptions [Online WWW]. Available URL: "<http://soils.usda.gov/technical/classification/osd/index.html>"

<sup>2</sup> Results of February, May, and August 2005 Groundwater Monitoring Report, STS Consultants, LTD., November 1, 2005.

## 2.4 Site History

The FTC is a fire suppressant training, testing, research, and development facility initially built in the early 1960s. Activities generally occur in two areas at the facility, the Fire School area and the Research and Development (R&D) area.

In 1992 a 550-gallon gasoline underground storage tank was removed at the FTC grounds and identified on WDNR/WDCOM records as "abandoned by removal". Evidence of a release was identified at that time and a Notice of Release was filed with the WDNR (BRRTs No. 03-38-001345). Dames & Moore (subsequently named URS Corporation) was retained to conduct an assessment of the impact. URS Corporation continued site investigation activities until 2002 when STS Consultants of Green Bay, Wisconsin, was retained. In January 2006 Earth Tech of Sheboygan, Wisconsin was retained to continue the long-term groundwater monitoring.

The Fire Training School and R&D facilities use two 12,000-gallon aboveground storage tanks (ASTs) containing heptane, with their associated underground distribution piping, as a fuel source for training and testing. In May 2005, Earth Tech conducted tightness and cathodic protection testing of the underground lines associated with the AST fuel distribution piping. Four piping runs were tightness tested and one piping run was tested for cathodic protection. Three piping runs that serviced the Fire Training School did not pass tightness testing (and therefore cathodic protection testing was unnecessary). These lines were purged of fuel and immediately removed from service (abandoned in place) by capping and disconnection from the AST. The fourth pipe run, which serviced the R&D portion of the facility, passed its tightness test but did not pass the cathodic protection test.

On May 27, 2005, Earth Tech verbally notified Mr. James Walden, WDNR Project Manager, of the potential release associated with the Fire School fuel distribution piping. Mr. Walden indicated that a new, formal release report would be unnecessary for the piping and that he would record the "new" release in the existing file.

Removing the Fire Training School pipelines from service (capping them in-place) effectively shut down the school. Subsequently, Earth Tech designed and installed a Wisconsin Department of Commerce (WDCOM) approved temporary fuel distribution system that allowed the Fire School to operate for the 2005 training season. During the summer and fall of 2005 Earth Tech worked with TSP personnel to design an upgraded permanent fuel distribution system for both the Fire Training School and R&D facilities.

On December 13, 2005, Earth Tech provided the WDNR with a copy of the Bid Documents for Demolition Activities as a Work Plan in general accordance with the requirements of NR 724.06 "Design Report" and NR 724.11 "Design Plan and Specifications". The Work Plan scope of work was for possible remedial excavation activities scheduled to occur during demolition.

The first phase of work for the fuel distribution system upgrade project began in January 2006 with the removal/in-place abandonment of the existing fuel distribution piping, associated excavation activities, and the demolition of a select number of fire training pans and props. Construction of the upgraded fuel distribution system, along with several new fire training pans and props, occurred during the summer and fall of 2006. The focus of this report is the excavation and proper disposal of petroleum-impacted soil conducted in conjunction with the demolition and upgrade of the fuel distribution system. This report is submitted in general



accordance with the requirements of NR 724.15 "Documentation of Construction and Completion".

### **3.0 SERVICES**

#### **3.1 Scope of Work**

Earth Tech evaluated soils excavated during demolition and upgrade activities to ensure proper handling of petroleum impacted soils, and to evaluate contaminated soils left in place. In general, this included the following activities:

- Pre-demolition meetings with Earth Tech's excavation contractor, SGS Environmental Services, to discuss excavation procedures and the handling of excavated petroleum-contaminated soils during demolition activities.
- Pre-system upgrade meetings with Earth Tech's system upgrade contractor, Martell Construction, to discuss excavation procedures and the handling and disposal of excavated petroleum-contaminated soils during upgrade activities.
- Documenting abandonment of one groundwater monitoring well removed during excavation activities.
- Documentation of soil excavation, transportation, and disposal activities.
- Evaluation of soil field screening and analytical results from excavation activities.

#### **3.2 Project Team**

The parties involved in this project include:

Property Owner:

Tyco Safety Products, Ansul Incorporated  
One Stanton Street  
Marinette, Wisconsin 54143  
Contact: Maritsa Goan: Senior Environmental Manager  
Telephone: (715) 735-7411

Environmental Consulting Firm:

Earth Tech, Inc.  
1020 North Broadway, Suite 400  
Milwaukee, WI 53202  
Contact: David Henderson, P.E.  
Telephone: (414) 225-5100

Demolition General Contractor:

SGS Environmental Services, Inc.  
W4490 Pope Road  
Merrill, WI 54452  
Contact: Jay Schlueter  
Telephone: (715) 539-2803

System Upgrade General Contractor:

Martell Construction  
1220 Hurlbut Street  
Green Bay, WI 54303  
Contact: Wayne Everson  
Telephone: (920) 468-8071

Soils Disposal:

Waste Management – Menominee Landfill  
6111 Elmwood Road  
Menominee, MI 49858  
Telephone: (906) 863-5998  
Waste Profile # MW 756269

Laboratory Services:

Pace Analytical  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302  
Telephone: (920) 469-2436

## **4.0 EXCAVATION AND INVESTIGATION PROCEDURES**

Site-specific excavation procedures are described below. Earth Tech's standard field methodologies for excavation and surface soil sampling are presented in Appendix A.

### **4.1 Soil**

#### **4.1.1 Soil Field Screening Methods**

Soil samples obtained from excavations were immediately split into field and laboratory samples. Soil samples were field screened with a photoionization detector (PID) to assist in determining the lateral extent and depth of excavation activities.

Earth Tech personnel screened the field samples for Volatile Organic Compounds (VOC's) with a calibrated PID (Mini-Rae Model 2000, 10.6 eV lamp) using the headspace method. Results were reported as instrument units (IUs). The results of the field screening were used to determine which soil samples to submit for laboratory analysis.

In general, excavated soils that exhibited PID readings greater than 10 IUs were considered contaminated. Excavated soils exhibiting PID readings greater than 10 IUs were either temporarily stockpiled on site for off-site disposal or loaded into trucks and transported to the landfill.

#### **4.1.2 Soil Excavation Methods**

Excavation of petroleum contaminated soils was conducted in conjunction with both demolition and upgrade activities.

### Demolition Activities:

Demolition was focused on removal of existing unusable fuel lines, demolition of several fire training pans/pads, and the limited excavation of petroleum contaminated soils.

The existing unusable fuel lines were removed or abandoned in-place in accordance with WDCOM Com 10 regulations including purging of the pipelines and soil sampling along the piping trench runs. Throughout demolition activities Mr. Randy Barnes, WDCOM Local Program Officer, conducted inspections to verify the proper removal/abandonment of the piping runs.

Several concrete fire training pans or pads were demolished to facilitate future construction. Demolition included excavation of associated petroleum-contaminated soils, where identified. The structural demolition work was accomplished with the use of a skid-steer mounted concrete breaker.

The limited excavation of petroleum contaminated soils was accomplished using a backhoe, front-end loader, and skid-steer for excavation, stockpiling and/or placement of the excavated soil into trucks. The excavations were backfilled using clean soils excavated during demolition as well as imported clean sand fill.

### Upgrade Activities:

The fuel distribution system upgrade included installing new underground fuel lines and electrical conduits, the construction of new fire training pans and pads, and the construction of additional support structures (i.e. loading dock, unloading area). During upgrade activities, petroleum-contaminated soil excavation was limited to the removal of soil directly associated with the new construction.

During both demolition and upgrade activities, petroleum-contaminated soils were temporarily stockpiled on and covered with plastic prior to transport to the landfill. Excavated contaminated soils were transported to the Waste Management landfill facility located in Menominee, Michigan.

#### **4.1.3 Soil Laboratory Analysis Methods**

During demolition activities, confirmation soil samples were collected from both the base and sidewalls of the excavations and/or trenches. Samples were submitted to a State of Wisconsin Certified laboratory for analyses of the following parameters: Volatile Organic Compounds (VOCs) plus n-heptane, EPA Method SW 846 8260B, and Polycyclic Aromatic Hydrocarbons (PAHs), EPA Method SW 8270C-SIM.

Confirmation soil samples were not collected for laboratory analysis during system upgrade activities because new construction generally occurred in areas previously sampled.

## **4.2 Groundwater**

### **4.2.1 Monitoring Well Abandonment**

Monitoring well FTC-28 was abandoned by SGS Environmental Services on January 23, 2006 during demolition activities in the area of Pan 1000. The abandonment was conducted in

accordance with NR 141 requirements and the WDNR Well/Drillhole/Borehole Abandonment form (WDNR Form 3300-5) is included in Appendix B. The location of FTC-28 is illustrated on Figure C-1 (attached).

## **5.0 EXCAVATION AND TESTING RESULTS**

Earth Tech evaluated soil field screening and laboratory analytical data to determine which soils were to be excavated and disposed of at the landfill and which soils could remain in-place.

### **5.1 Soil Results**

#### **5.1.1 Field Screening Results**

Field instrument (PID) readings are not regulated by the WDNR, but are considered an indication of possible VOC contamination. Earth Tech used PID readings to help determine the extent of possible contamination and reduce the number of laboratory samples.

#### Demolition Activities:

SGS Environmental Services began excavation activities associated with demolition on January 10, 2006 and continued through February 6, 2006. Excavations included shallow trenching (0 to 2 feet bgs) where piping runs were removed and larger, deeper excavations (0 to 7 feet bgs), in areas where structures were demolished and petroleum-contaminated soils were present and accessible. PID readings ranging between <10 and 1,700 instrument units (IUs) were encountered during demolition activities.

Areas where shallow trenching for piping removal was conducted, along with the dates of removal, are illustrated on Figure C-2. Limited excavation required for demolition activities and contaminated soil removal was conducted in four separate areas (designated Area 1 through Area 4). These four excavation areas are illustrated on Figure C-3. PID field screening results are presented on Figure C-4.

Backfill was placed in lifts and compacted, where appropriate. Plastic was placed in the Area 4 excavation prior to backfilling to separate remaining petroleum-contaminated soils left in place and clean backfill soils. Final backfilling associated with demolition activities was completed on February 8, 2006.

#### Upgrade Activities:

Martell Construction, the general contractor for the fuel distribution system upgrade, began construction activities in June 2006 and continued through the fall of 2006. Excavation activities associated with the upgrade work were completed by the end of August 2006.

The excavations for system upgrades included shallow trenches for new fuel piping runs, pan drainage lines, and electrical conduit runs. Larger excavations were completed during construction of new fire training pans and pads, installation of a new oil/water separator (OWS) system, and a new loading dock.

Soils encountered during system upgrade activities exhibited PID readings between <10 to 1,350 IUs. Elevated PID field screening results were encountered in excavations near the

rebuilt 1,000 Pan, near the AST heptane storage area, near New Hose Reel #1 and HV-7 (heptane valve), near the Impinging prop, HV-8, Broken Flange prop, HV-4, Truck Pan 450, and southeast of the new OWS. Contaminated soil excavated areas associated with the upgrade activities along with PID field screening results are illustrated on Figure C-7.

Petroleum-contaminated soils were transported to the Waste Management landfill facility located in Menominee, Michigan on January 18, 19, and 23, 2006 during demolition activities and June 28, 29, and 30, and August 15, 16, and 17, 2006, during system upgrade activities. A total of 3,212.94 tons (approximately 4,820 cubic yards) of petroleum-contaminated soils were transported to the landfill. Concrete that exhibited petroleum staining was transported to the landfill for disposal as construction and demolition debris. A total of 106.07 tons of concrete was transported to the Waste Management, Menominee Landfill for disposal. A summary of landfill disposal tickets along with copies of the tickets is presented in Appendix C.

### 5.1.2 Laboratory Analysis Results

Twenty-eight confirmation soil samples were analyzed for VOC's plus n-heptane and PAHs during demolition activities. Laboratory analytical results were compared to WDNR generic soil residual contaminate levels (RCLs) standards as listed in Wisconsin Administrative Code NR 720.09 for the protection of groundwater, Environmental Protection Agency (EPA) soil screening levels (SSL) standards for protection of groundwater and direct contact per NR 720.19, and PAH interim generic RCL standards for protection of groundwater and direct contact.

According to the City of Marinette Zoning Administrator<sup>3</sup> the FTC property at 2700 Industrial Parkway South is zoned Heavy Industrial (I1). Therefore, soil analytical results were compared to applicable industrial direct contact health assessment standards.

In general, excavation confirmation soil samples were obtained from the following areas:

- Piping trench samples designated CS-1 through CS-11,
- Area 1 excavation samples (S-1 through S-3),
- Area 2 excavation samples (S-1 through S-8),
- Area 3 excavation samples (S-1 through S-4), and
- Area 4 excavation samples (S-1 and S-2).

Soil analytical results are summarized in Table 1. Figure C-5 illustrates the confirmation soil sampling locations.

VOC's Discussion: VOCs were detected in 17 of the 28 samples submitted for laboratory analysis. A total of 13 different VOCs were detected in the 17 soil samples that exhibited VOC concentrations. Only six of the thirteen VOCs detected exhibited concentrations at concentrations greater than established or calculated standards.

- 1,2,4-Trimethylbenzene (TMB) was detected at a concentration greater than the NR 720.19 EPA SSL Industrial Direct Contact standard in the sample collected from CS-3.
- 1,3,5-TMB was detected at a concentrations greater than the NR 720.19 EPA SSL Industrial Direct Contact standard in the sample collected from CS-3.

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<sup>3</sup> City of Marinette, Zoning Administrator, personal communication, February 28, 2007.

- Benzene was detected at concentrations greater than the NR 720.09 Groundwater Protection standard in the samples collected from CS-2, CS-3, CS-10, Area 3:S-1, and Area 4:S-1 and the NR 720.19 EPA SSL Industrial Direct Contact standard in the samples collected from CS-3, and CS-10.
- Ethylbenzene was detected at concentrations greater than the NR 720.09 Groundwater Protection standard in the samples collected from CS- 1, CS-3, CS-4, CS-10, CS-11, Area 4:S-1, and Area 4:S-2 and the NR 720.19 EPA SSL Industrial Direct Contact standard in the samples collected from CS-3, and CS-10.
- Toluene was detected at concentrations greater than the NR 720.09 Groundwater Protection standard in the samples collected from CS-1, CS-2, CS-3, CS-4, CS-9, CS-10, CS-11, Area 4:S-1, and Area 4:S-2.
- Total xylenes were detected at concentrations greater than NR 720.09 Groundwater Protection standard in the samples collected from CS-1, CS-2, CS-3, CS-4, CS-9, CS-10, CS-11, Area 4:S-1, and Area 4:S-2 and the NR 720.19 EPA SSL Industrial Direct Contact standard in the samples collected from CS-3.
- Other VOCs detected were at concentrations less than standards or standards do not currently exist.

Although n-Heptane was detected in 15 of the 28 soil samples submitted for analysis, no regulatory standards, either WDNR or EPA SSLs, currently exist for heptane.

PAH's Discussion: PAHs were detected in 16 of the 28 samples submitted for laboratory analysis. Eighteen different PAHs were detected in the 16 soil samples that exhibited PAH concentrations. Five of the eighteen PAHs detected exhibited concentrations greater than standards.

- 1-Methylnaphthalene was detected at concentrations greater than NR Interim PAH Generic RCL's for Groundwater Protection standard in the samples collected from Area 4:S-1 and Area 4:S-2.
- 2-Methylnaphthalene was detected at concentrations greater than NR Interim PAH Generic RCL's for Groundwater Protection standard in the samples collected from Area 4:S-1 and Area 4:S-2.
- Acenaphthylene was also detected at concentrations greater than NR Interim PAH Generic RCL's for Groundwater Protection standard in the samples collected from Area 4:S-1 and Area 4:S-2.
- Naphthalene was detected at concentrations greater than NR Interim PAH Generic RCL's for Groundwater Protection standard in the samples collected from CS-1, CS-2, CS-3, CS-4, CS-9, CS-10, CS-11, Area 4:S-1, and Area 4:S-2.
- Phenanthrene was detected at concentrations greater than NR Interim PAH Generic RCL's for Groundwater Protection standard in the samples collected from CS-1, Area 4:S-1, and Area 4:S-2.

Figures C-5 and C-6 presents the VOC and PAH analytical results, respectively, and their sample locations. Laboratory reports are included in Appendix D.

### 5.1.3 Estimated Extent of Residual Contamination

Based on the results of the demolition and upgrade activities, residual petroleum contamination appears to exist in six general areas on the FTC grounds. The extent of these areas (See Figure 8) was estimated using confirmation soil sampling analytical results, PID readings greater than 10 IUs, and visual observations.

## 6.0 EXCAVATION SUMMARY

The following is a summary of the geologic, hydrogeologic, field observations, and analytical data obtained during Earth Tech's excavation and upgrade/remediation activities at the Site.

- The lithology beneath the site generally consists of poorly graded sand to silty sand from the ground surface to the depth of the investigated interval.
- Groundwater elevation data indicates that depth to groundwater varies seasonally across the site. Groundwater has been interpreted to flow in an easterly or northeasterly direction.
- Monitoring well FTC-28 was abandoned during excavation activities in January 2006.
- The excavation and proper disposal of 3,212.94 tons (approximately 4,820 cubic yards) of petroleum contaminated soil was transported to the Waste Management, Menominee Landfill for disposal.
- The demolition and proper disposal of a total of 106.07 tons of petroleum stained concrete was transported to the Waste Management, Menominee Landfill for disposal as construction and demolition debris.
- Groundwater is being monitored on a quarterly basis to document contaminant concentrations and to evaluate the effectiveness of natural attenuation as a final remedial action. Monitoring program results are submitted to the WDNR.

## **TABLES**





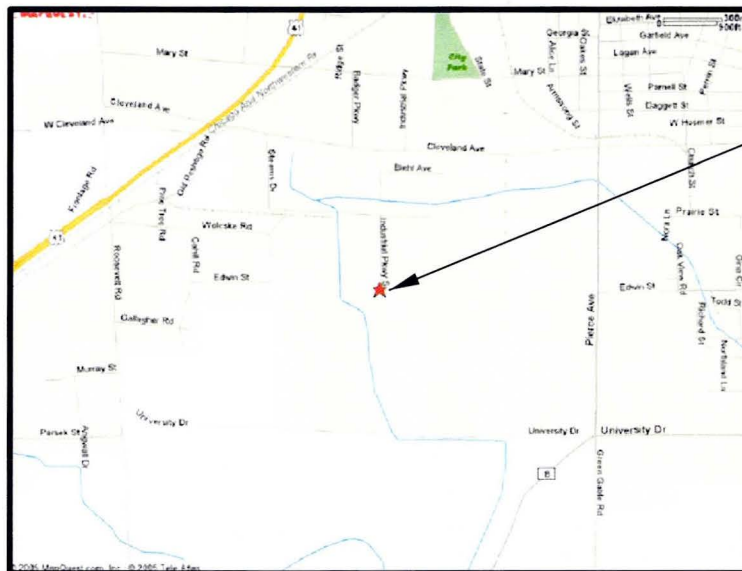


## FIGURES

# SOIL EXCAVATION DOCUMENTATION

## FIRE TECHNOLOGY CENTER AND R&D GROUNDS FUEL DISTRIBUTION SYSTEM UPGRADE PROJECT TYCO SAFETY PRODUCTS - ANSUL INCORPORATED

MARINETTE, WISCONSIN  
MARCH 2007



PROJECT LOCATION  
2700 INDUSTRIAL PARKWAY SOUTH  
MARINETTE, WI

### SHEET INDEX

DRAWING NO.	SHEET TITLE
	TITLE SHEET
C-1	2006 PRE-DEMOLITION SITE FEATURES MAP
C-2	JANUARY 2006 PIPING REMOVAL TRENCHING AND REMOVAL DATES
C-3	JANUARY 2006 EXTENT OF DEMOLITION EXCAVATIONS
C-4	JANUARY 2006 PID SCREENING RESULTS
C-5	JANUARY 2006 SOIL SAMPLE ANALYTICAL RESULTS-VOCs
C-6	JANUARY 2006 SOIL SAMPLE ANALYTICAL RESULTS-PAHs
C-7	EXTENT OF UPGRADE EXCAVATIONS WITH PID SCREENING RESULTS
C-8	ESTIMATED EXTENT OF RESIDUAL SOIL CONTAMINATION

PREPARED FOR:



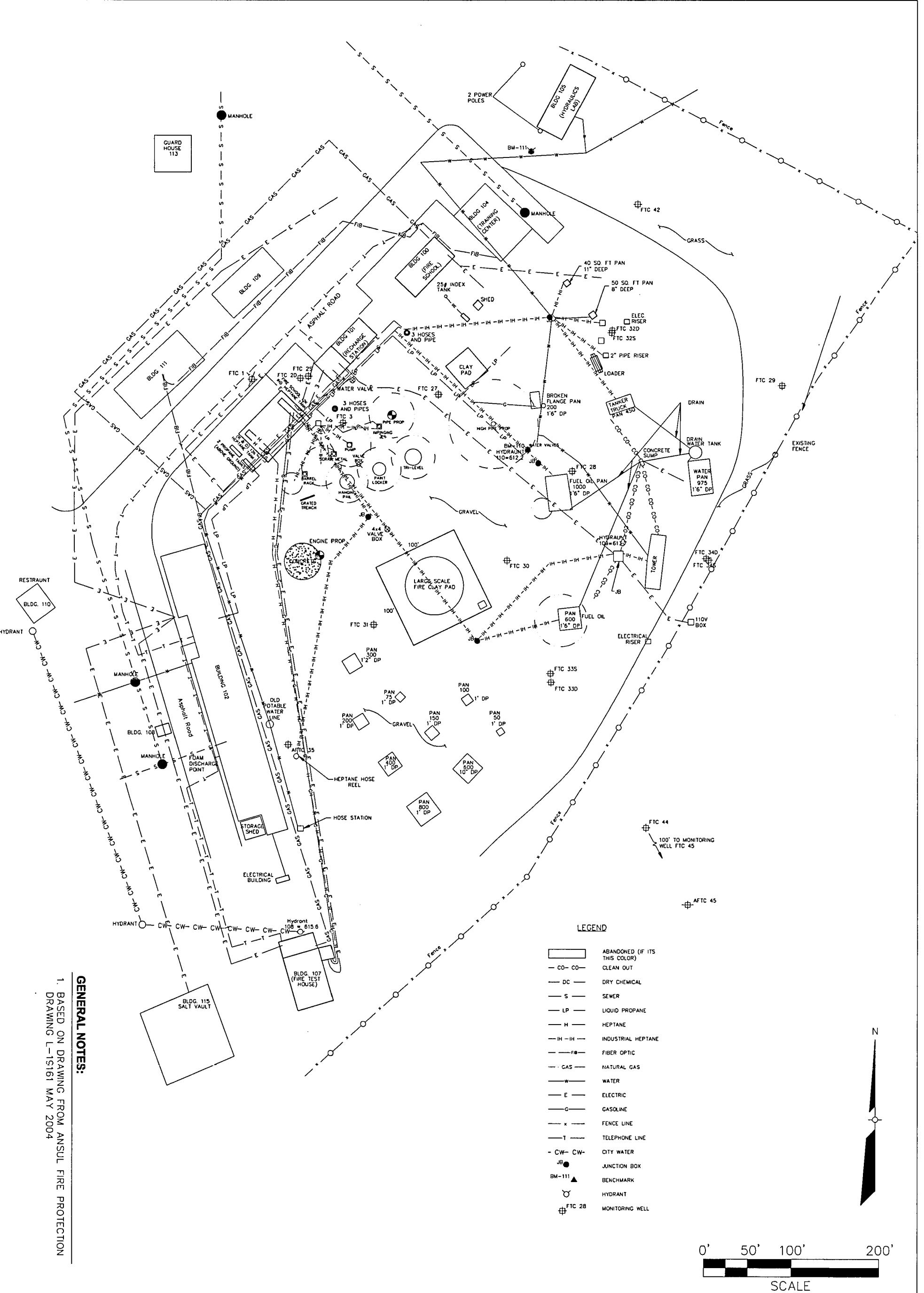
ONE STATON STREET  
Marinette, Wisconsin

PREPARED BY:



1020 N. Broadway, Suite 400  
Milwaukee, Wisconsin

414-225-5100



**GENERAL NOTES:**  
 1. BASED ON DRAWING FROM ANSUL FIRE PROTECTION  
 DRAWING L-15161 MAY 2004

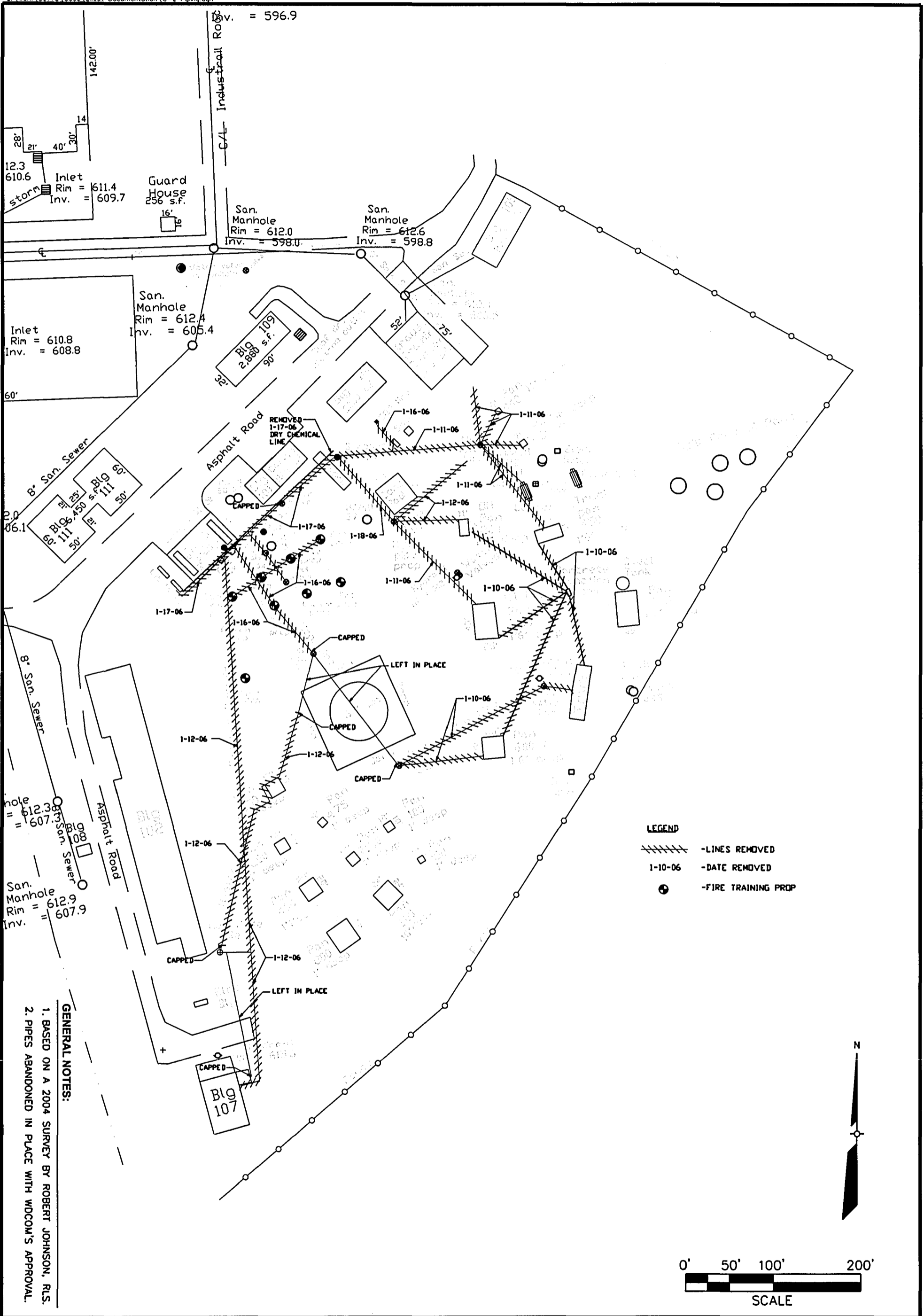
DATE	MARCH 2006
PROJECT NO	89773
FILENAME	C-1 EXISTING.dgn
SHEET NO	C-1
DRAWING NO	

TYCO FIRE SAFETY PRODUCTS  
 ANSUL INDUSTRIAL PARKWAY FACILITY  
 MARINETTE, WISCONSIN

**2006 PRE-DEMOLITION SITE FEATURES**

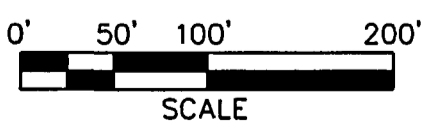


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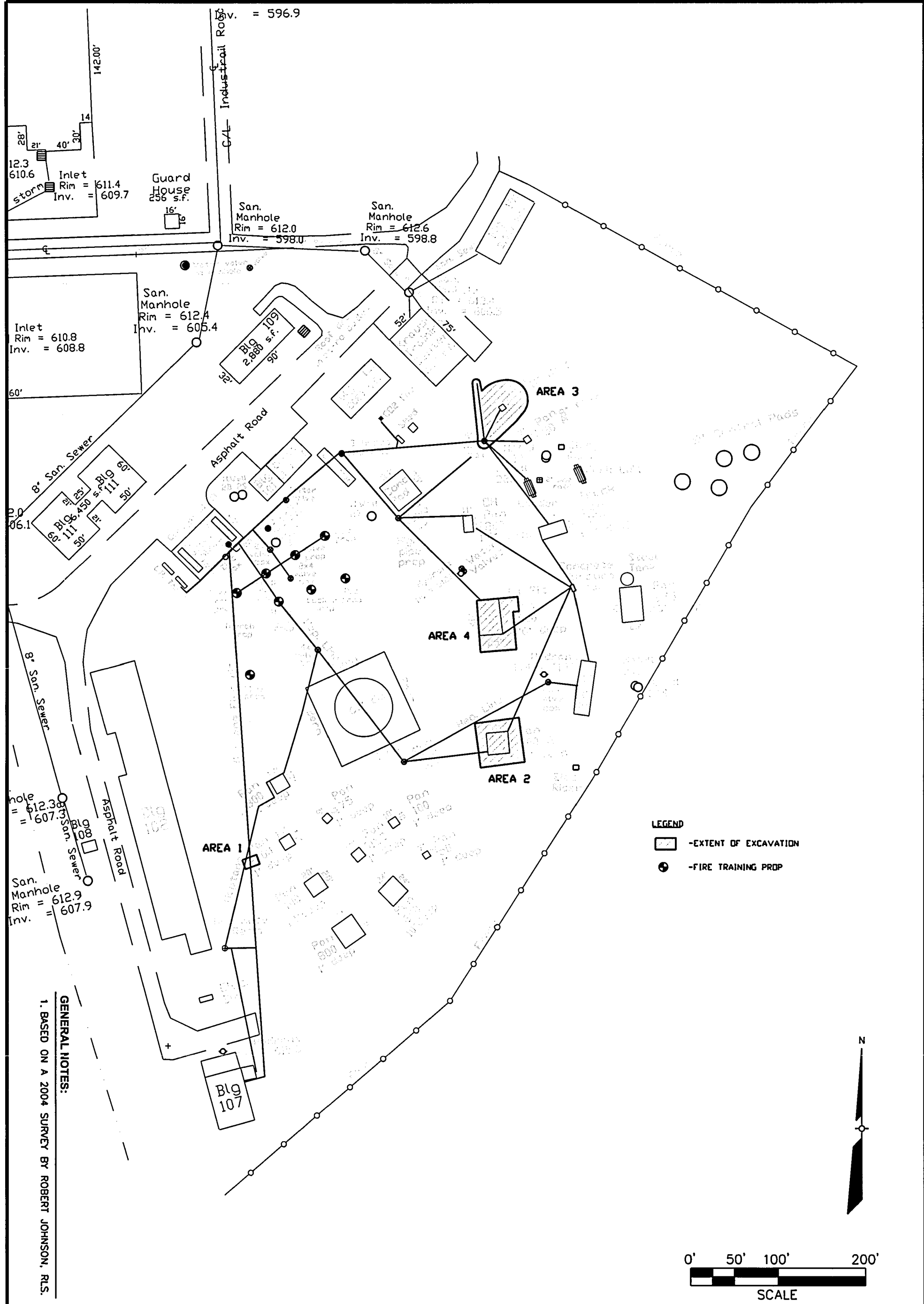


**LEGEND**  
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 1-10-06 -DATE REMOVED  
 -FIRE TRAINING PROP

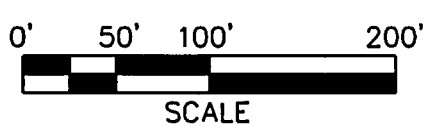
**GENERAL NOTES:**  
 1. BASED ON A 2004 SURVEY BY ROBERT JOHNSON, RLS.  
 2. PIPES ABANDONED IN PLACE WITH WDCOM'S APPROVAL.



DRAWING NO C-2	SHEET NO C-2 Piping.dgn	TITLE C-2 Piping.dgn	DATE MARCH 2006	PROJECT NO 89773	 A Tyco International Ltd. Company	MILWAUKEE, WI 1020 NORTH BROADWAY 414-225-5100			
			DRN ARG 01/2006			DES	CHK	APP	2. SOL EXCAVATION DOCUMENTATION REPORT
						1. SOL EXCAVATION DOCUMENTATION REPORT	DRB	FEB. 2007	
						NO REVISIONS	DRN	CHK	DATE



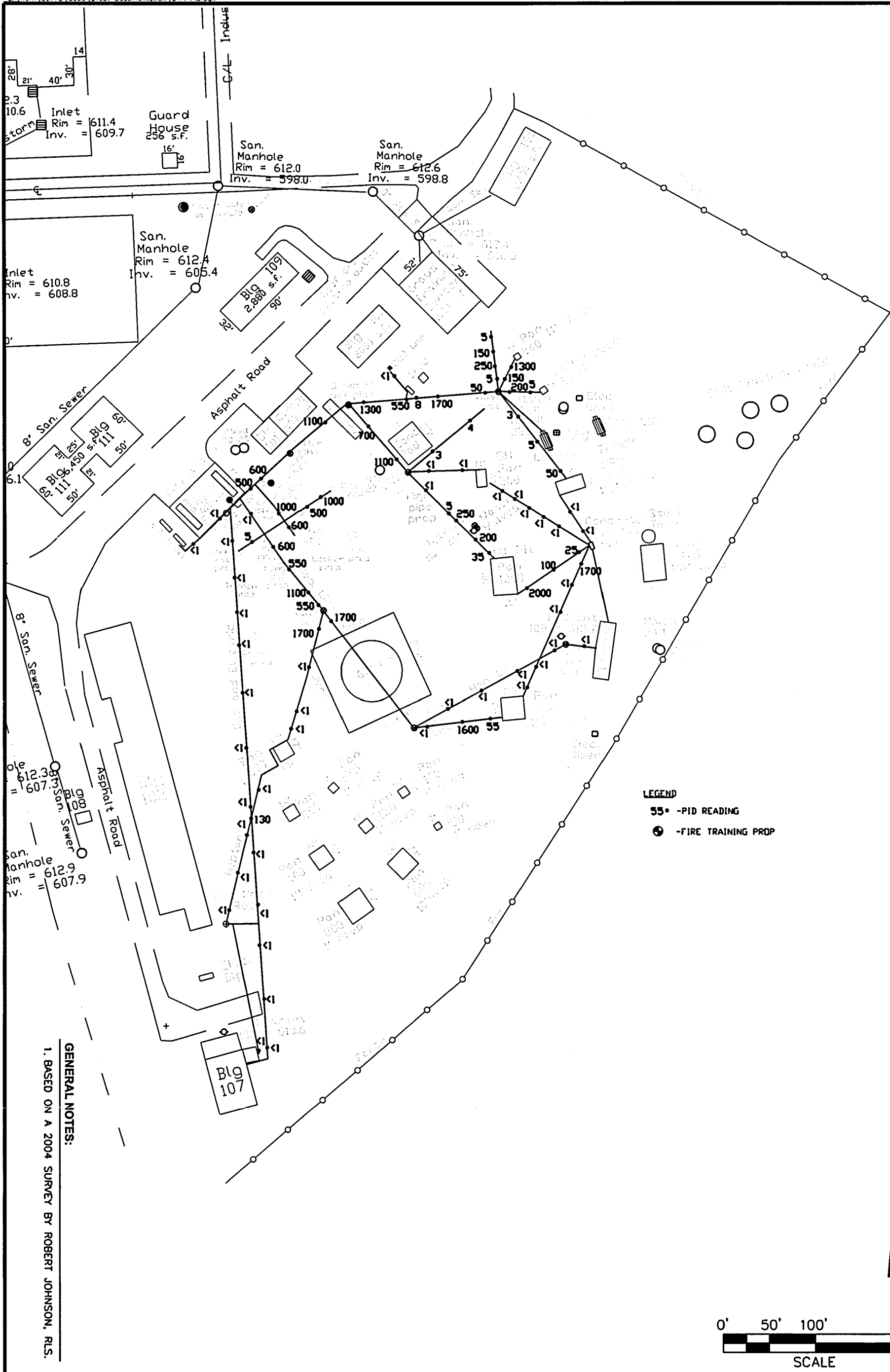
**LEGEND**  
 [Hatched Box] - EXTENT OF EXCAVATION  
 [Circle with Cross] - FIRE TRAINING PROP



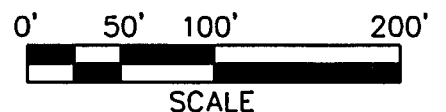
**GENERAL NOTES:**  
 1. BASED ON A 2004 SURVEY BY ROBERT JOHNSON, R.L.S.

DRAWING NO. C-3	PROJECT NO. 09771	TYCO FIRE SAFETY PRODUCTS ANSUL INDUSTRIAL PARKWAY FACILITY MARINETTE, WISCONSIN	
		JANUARY 2006 EXTENT OF DEMOLITION EXCAVATIONS	
DATE MARCH 2006	PROJECT NO. 09771		

MILWAUKEE, WI 1020 NORTH BROADWAY 414-225-5100				
DRN	ARG	01/2006		
DES				
CHK				
APP				
NO	2.	SOIL EXCAVATION DOCUMENTATION REPORT	SAP	4/25/2007
	1.	SOIL EXCAVATION DOCUMENTATION REPORT	DRB	FEB. 2007
		REVISIONS	DRN	CHK
			DATE	



**LEGEND**  
 55° -PID READING  
 ⊕ -FIRE TRAINING PROP



**GENERAL NOTES:**  
 1. BASED ON A 2004 SURVEY BY ROBERT JOHNSON, R.L.S.

**TYCO FIRE SAFETY PRODUCTS  
 ANSUL INDUSTRIAL PARKWAY FACILITY  
 MARINETTE, WISCONSIN**

**JANUARY 2006  
 PID SCREENING RESULTS**

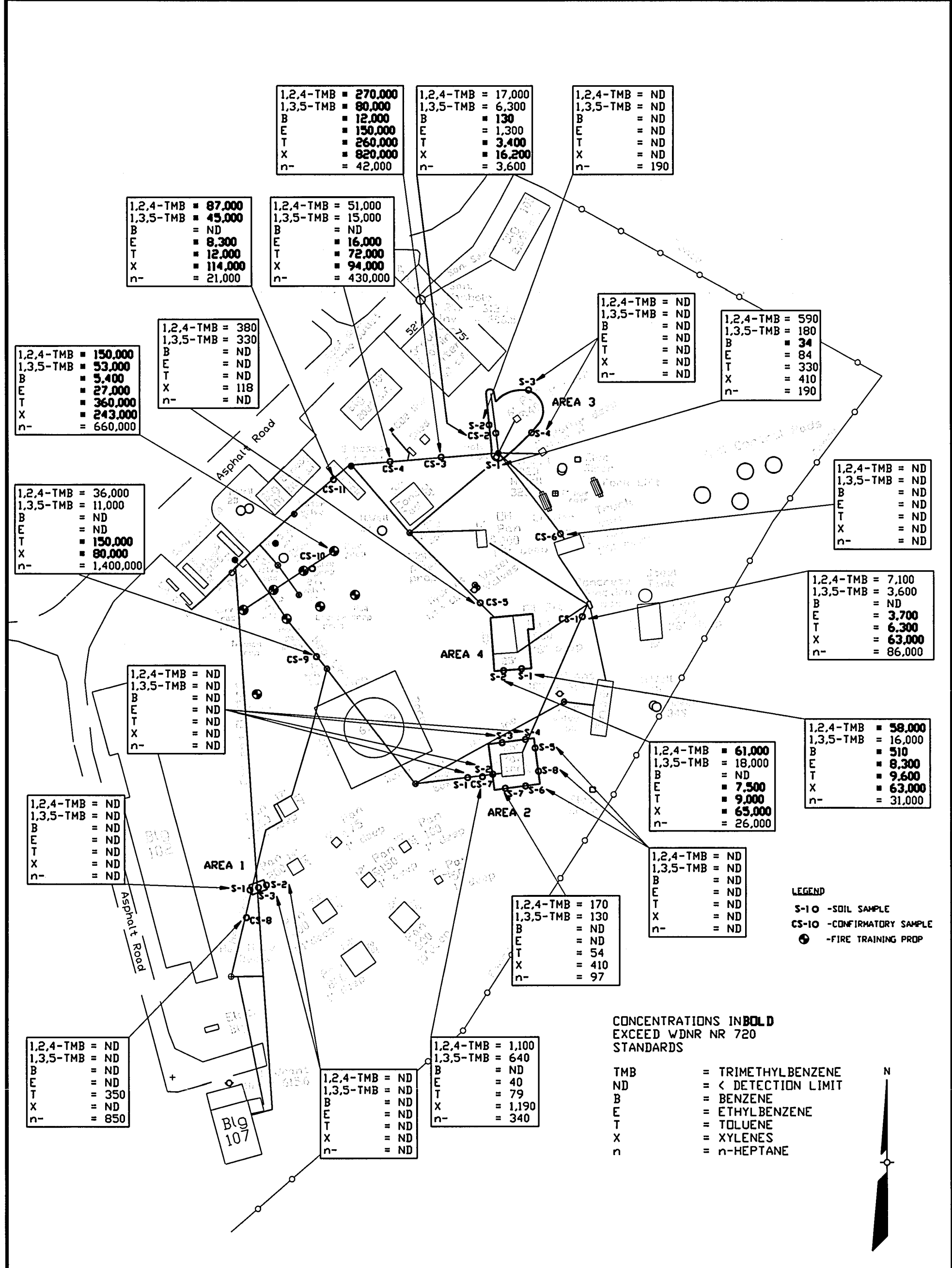


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NO	REVISIONS	DRN	CHK	DATE
2.	SOIL EXCAVATION DOCUMENTATION REPORT	SAP		4/25/2007
1.	SOIL EXCAVATION DOCUMENTATION REPORT	DRB		FEB. 2007

DRAWING NO	C-4
SHEET NO	
FILENAME	C-4 PD.dwg
PROJECT NO	99773
DATE	MARCH 2006



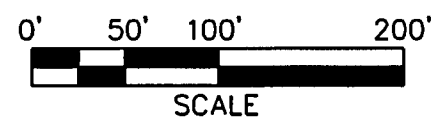


CONCENTRATIONS IN BOLD  
 EXCEED WDNR NR 720  
 STANDARDS

TMB = TRIMETHYLBENZENE  
 ND = < DETECTION LIMIT  
 B = BENZENE  
 E = ETHYLBENZENE  
 T = TOLUENE  
 X = XYLENES  
 n = n-HEPTANE

GENERAL NOTES:

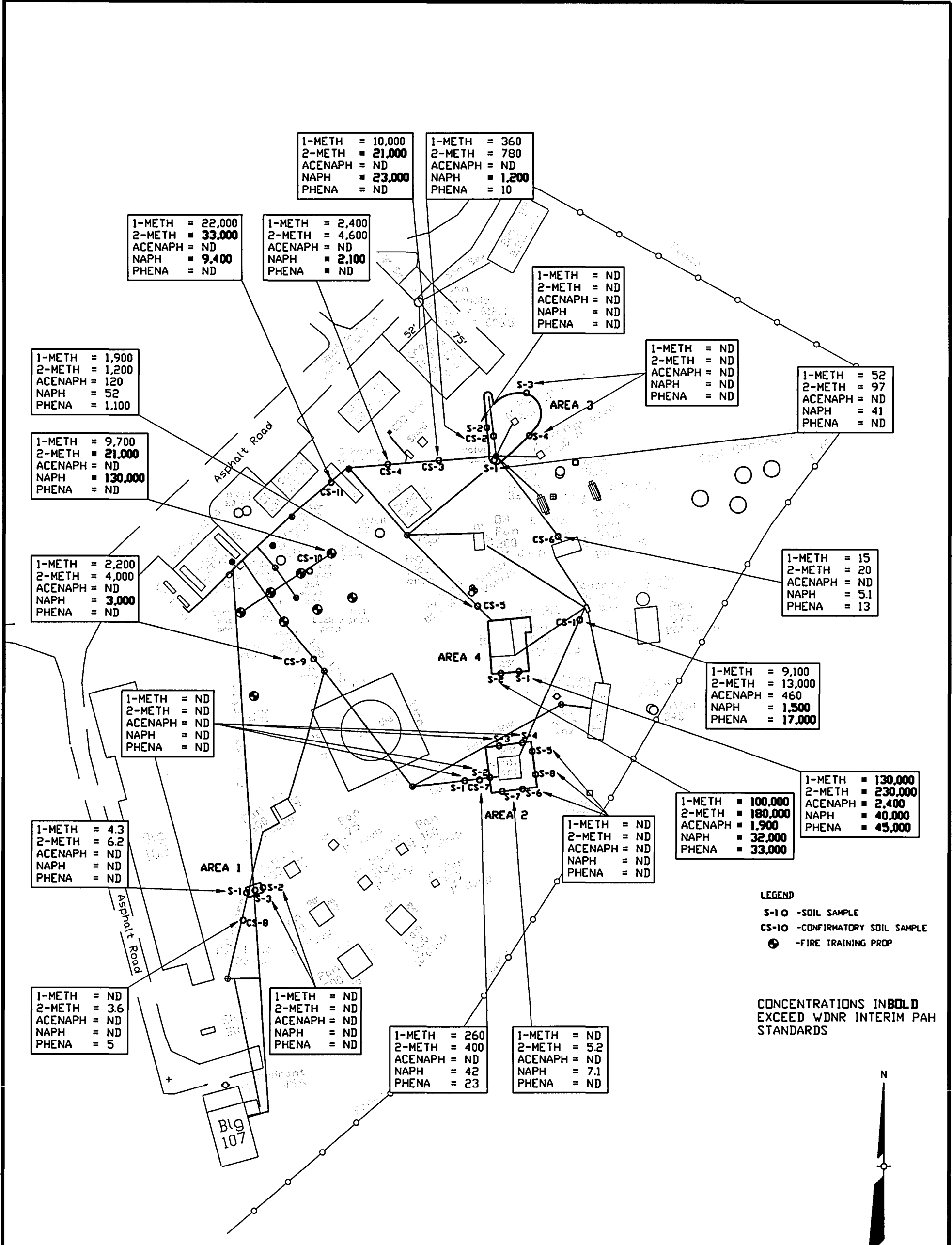
1. BASED ON A 2004 SURVEY BY ROBERT JOHNSON, RLS.



DRAWING NO C-5	SHEET NO C-5	TYPICAL C-5 SAMPLE VOC-01	PROJECT NO 89773	DATE MARCH 2006	TYCO FIRE SAFETY PRODUCTS ANSUL INDUSTRIAL PARKWAY FACILITY MARINETTE, WISCONSIN
			JANUARY 2006 SOIL SAMPLE ANALYTICAL RESULTS - VOCs		

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CHK				
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Copyright © Earth Tech All Rights Reserved	2.	SOIL EXCAVATION DOCUMENTATION REPORT	SAP	4/25/2007
	1.	SOIL EXCAVATION DOCUMENTATION REPORT	DRB	FEB. 2007
	NO	REVISIONS	DRN	CHK DATE



1-METH = 1,900  
 2-METH = 1,200  
 ACENAPH = 120  
 NAPH = 52  
 PHENA = 1,100

1-METH = 9,700  
 2-METH = **21,000**  
 ACENAPH = ND  
 NAPH = **130,000**  
 PHENA = ND

1-METH = 2,200  
 2-METH = 4,000  
 ACENAPH = ND  
 NAPH = **3,000**  
 PHENA = ND

1-METH = ND  
 2-METH = ND  
 ACENAPH = ND  
 NAPH = ND  
 PHENA = ND

1-METH = 4.3  
 2-METH = 6.2  
 ACENAPH = ND  
 NAPH = ND  
 PHENA = ND

1-METH = ND  
 2-METH = 3.6  
 ACENAPH = ND  
 NAPH = ND  
 PHENA = 5

1-METH = ND  
 2-METH = ND  
 ACENAPH = ND  
 NAPH = ND  
 PHENA = ND

1-METH = 260  
 2-METH = 400  
 ACENAPH = ND  
 NAPH = 42  
 PHENA = 23

1-METH = ND  
 2-METH = 5.2  
 ACENAPH = ND  
 NAPH = 7.1  
 PHENA = ND

1-METH = 10,000  
 2-METH = **21,000**  
 ACENAPH = ND  
 NAPH = **23,000**  
 PHENA = ND

1-METH = 360  
 2-METH = 780  
 ACENAPH = ND  
 NAPH = **1,200**  
 PHENA = 10

1-METH = 22,000  
 2-METH = **33,000**  
 ACENAPH = ND  
 NAPH = **9,400**  
 PHENA = ND

1-METH = 2,400  
 2-METH = 4,600  
 ACENAPH = ND  
 NAPH = **2,100**  
 PHENA = ND

1-METH = ND  
 2-METH = ND  
 ACENAPH = ND  
 NAPH = ND  
 PHENA = ND

1-METH = ND  
 2-METH = ND  
 ACENAPH = ND  
 NAPH = ND  
 PHENA = ND

1-METH = 52  
 2-METH = 97  
 ACENAPH = ND  
 NAPH = 41  
 PHENA = ND

1-METH = 15  
 2-METH = 20  
 ACENAPH = ND  
 NAPH = 5.1  
 PHENA = 13

1-METH = 9,100  
 2-METH = 13,000  
 ACENAPH = 460  
 NAPH = **1,500**  
 PHENA = **17,000**

1-METH = **100,000**  
 2-METH = **180,000**  
 ACENAPH = **1,900**  
 NAPH = **32,000**  
 PHENA = **33,000**

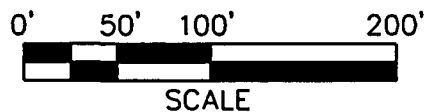
1-METH = **130,000**  
 2-METH = **230,000**  
 ACENAPH = **2,400**  
 NAPH = **40,000**  
 PHENA = **45,000**

LEGEND  
 S-10 -SOIL SAMPLE  
 CS-10 -CONFIRMATORY SOIL SAMPLE  
 ⊕ -FIRE TRAINING PROP

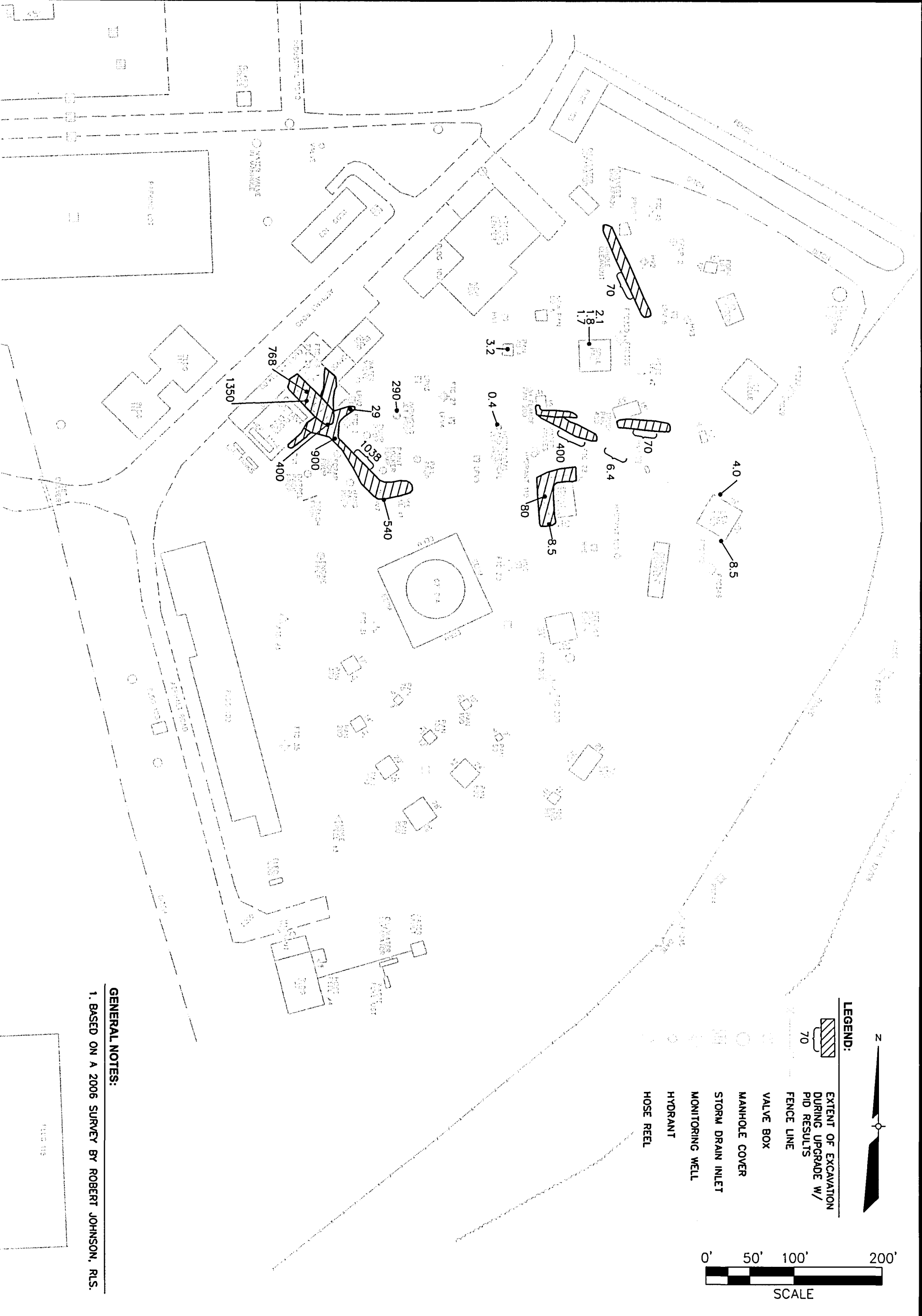
CONCENTRATIONS IN **BOLD**  
 EXCEED WDNr INTERIM PAH  
 STANDARDS



GENERAL NOTES:  
 1. BASED ON A 2004 SURVEY BY ROBERT JOHNSON, RLS.



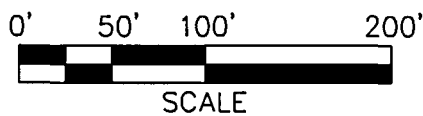
DRAWING NO C-6	SHEET NO C-6 SAMPLE PLAN DR	DATE MARCH 2006	TYCO FIRE SAFETY PRODUCTS ANSUL INDUSTRIAL PARKWAY FACILITY MARINETTE, WISCONSIN		 A Tyco International Ltd. Company	MILWAUKEE, WI 1020 NORTH BROADWAY 414-225-5100				
		PROJECT NO 89773	JANUARY 2006 SOIL SAMPLE ANALYTICAL RESULTS - PAHs			DRN ARG	01/2006			
		DATE MARCH 2006	SOIL EXCAVATION DOCUMENTATION REPORT			SAP	4/25/2007			
		SOIL EXCAVATION DOCUMENTATION REPORT		DRB	FEB. 2007					
		REVISIONS		DRN	CHK	DATE				



**GENERAL NOTES:**  
 1. BASED ON A 2006 SURVEY BY ROBERT JOHNSON, RLS.

**LEGEND:**

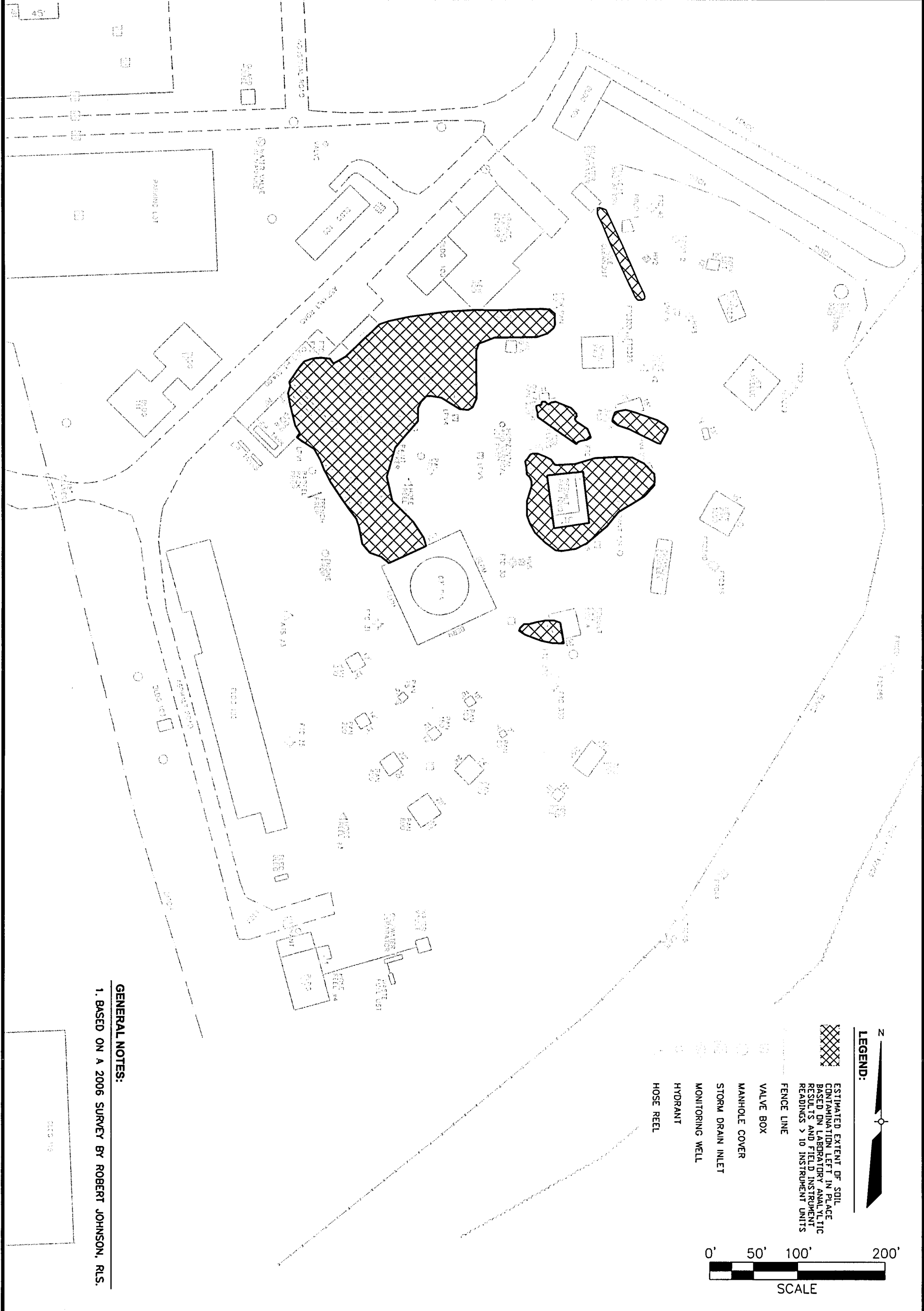
- EXTENT OF EXCAVATION DURING UPGRADE W/ PID RESULTS
- FENCE LINE
- VALVE BOX
- MANHOLE COVER
- STORM DRAIN INLET
- MONITORING WELL
- HYDRANT
- HOSE REEL



<b>TYCO FIRE SAFETY PRODUCTS ANSUL INDUSTRIAL PARKWAY FACILITY MARINETTE, WISCONSIN</b>	
<b>EXTENT OF UPGRADE EXCAVATIONS WITH PID SCREENING RESULTS</b>	
DATE: MARCH 2006	PROJECT NO: 89773
FILENAME: C-7 Ector PID.dwg	SHEET NO:
DRAWING NO: C-7	

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**GENERAL NOTES:**  
 1. BASED ON A 2006 SURVEY BY ROBERT JOHNSON, RLS.

**LEGEND:**

- ESTIMATED EXTENT OF SOIL CONTAMINATION LEFT IN PLACE BASED ON LABORATORY ANALYTICAL RESULTS AND FIELD INSTRUMENT READINGS > 10 INSTRUMENT UNITS
- FENCE LINE
- VALVE BOX
- MANHOLE COVER
- STORM DRAIN INLET
- MONITORING WELL
- HYDRANT
- HOSE REEL

0' 50' 100' 200'  
 SCALE

TYCO FIRE SAFETY PRODUCTS ANSUL INDUSTRIAL PARKWAY FACILITY MARINETTE, WISCONSIN	
ESTIMATED EXTENT OF RESIDUAL SOIL CONTAMINATION	
DATE	MARCH 2006
PROJECT NO	89773
FILENAME	C-8 Contamination.dwg
SHEET NO	
DRAWING NO	C-8

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## **APPENDIX A**

### **Earth Tech's Standard Field Methodologies**

**STANDARD OPERATING PROCEDURE  
FOR  
EXCAVATION AND SURFACE SOIL SAMPLING**

## **1.0 PURPOSE**

The purpose of this Standard Operating Procedure (SOP) is to describe the method for sampling surface soils at grade or from excavations. Typically, these excavations would be associated with the removal of above or underground storage tanks, piping, transfer stations, pump facilities, valve pits, sumps, etc. Soil samples are collected over an aerial distribution to characterize the surface conditions and used to verify that the area of concern is free of contamination or to define the extent of contamination. This procedure describes equipment and field methods necessary to collect surface and excavation soil samples.

## **2.0 REQUIREMENTS**

Sample collection information should be recorded in the field log book or the Soils Data form provided in Appendix E of the QAPP. Soil sampling locations, intervals and chemical parameters are discussed in the site-specific Work Plan. All soil samples will be visually classified in the field using the Unified Soil Classification System (USCS) pursuant to ASTM D-2488, Standard Practice for Description and Identification of Soils (Visual-Manual Procedure).

Sample forms will be prepared in the field, as samples are taken, by a qualified, experienced geologist. Each form will be signed by the preparer. All log book and form entries should be printed in ink and photo reproductions should be clear and legible. Illegible or incomplete forms will not be accepted.

The sampling locations must be clearly marked on a site map or location sketch and staked in the field using suitable markers (e.g., wire flags or lath). The accuracy of the soil sampling locations will be identified in the site-specific Work Plan. Location sketches, referenced by measured distances from prominent surface features or known coordinates, will be shown on or attached to the form. Map scale should be indicated on a scaled drawing or sketch must contain all dimensions of excavations, sampling locations and reference surface features as would be required for a scaled CADD drawing. Each and every material type encountered will be described.

Unconsolidated materials should be described as outlined below and in the following sequence:

1. Descriptive USCS classification in accordance with ASTM D 2488-90.
2. Consistency of cohesive materials or density of non-cohesive materials.
3. Moisture content assessment (e.g., moist, wet, saturated).
4. Color.
5. Other descriptive feature (bedding, characteristics, organic materials, macrostructure of fine-grained soils such as root holes, fractures, etc.).
6. Depositional type (such as alluvium, till, loess).

Any special sampling problems should be recorded on the field forms or in the field log book, including descriptions of problem resolutions. Forms should include all other information relevant to a particular investigation, including but not limited to:

1. Odors.
2. Measurements with a photoionization detector (PID) or other field screening or testing results.
3. Any observed evidence of contamination in samples or excavations or evidence of leaking pipes, tanks, etc.

### **3.0 RESPONSIBILITIES**

The Site Geologist performs or directly supervises the sampling procedure and classifies soil samples. The Site Geologist is also responsible for the measurements, observations, and the decontamination of sampling equipment. He/she must record all pertinent information on the appropriate form(s) and in the field log book.

The Field Team Leader directs the packing and sealing of samples as described in SOP F-8.

### **4.0 EQUIPMENT**

The following pieces of equipment may be needed to collect samples:

1. Stainless steel spatula, spoon or other sampler.
2. Stainless steel bowl.
3. Appropriate sampling containers.
4. Deionized or distilled water.
5. Decontamination supplies as specified in the project-specific work plan.
6. Steel retractable engineer's measuring tape (calibrated to 0.01 foot).
7. Organic vapor monitoring device (photoionization detector (PID) or similar instrument).
8. Appropriate health and safety equipment.
9. Soil Data Form
10. Field log book.



## 5.0 PROCEDURE

Before soil sampling begins, complete all general information on the field forms or the field log book in ink such as the site name, project number and equipment operator. Inventory the sample jars to be certain that a sufficient number of sample jars of the correct size and type are available to complete the sampling.

Equipment for shallow (approximately 0-1 foot) soil samples includes, but is not limited to, hand augers, hand trowels, shovels, spoons, sampling tubes, bowls, aluminum foil, and sampling slide hammers. This equipment must be stainless steel. Equipment must be decontaminated in accordance with SOP F-6 prior to use and between sample locations.

There are two sampling techniques generally used for surface sampling: the grab sample and the composite sample. A common way to select samples or do field screening is to perform a head space analysis. If the excavation is too deep to enter, sampling from a backhoe bucket may be necessary. These aspects of surface sampling are discussed below.

**Grab sample**      A grab sample is collected at a specific location to represent soil conditions at a single point. It is not combined with soil from any other location. The soil will be taken from the sample location and placed and mixed in a clean stainless steel mixing bowl for placement in a sampling jar as described below.

**Composite sample**      A composite sample represents the soil conditions over an area. Several sub-samples are collected from multiple locations in an area, mixed together and the mixture is then sampled. The procedure for composite soil sampling is as follows: upon each retrieval of the sampling device, the contents in the sampler shall be placed in a clean stainless steel mixing bowl keeping the bowl covered with aluminum foil between subsamples. After all sub-samples are collected in the bowl, the soil is stirred with a clean stainless steel spoon into a homogeneous mixture.

For both grab and composite samples, the soil mixture in the mixing bowl should be sectioned into four equal quadrants and placed into the appropriate sample jar(s) by taking small amounts from each successive quadrant until the sample jar is filled.

Samples for volatile organic compounds (VOCs) analysis should not be mixed in a bowl but should be taken directly from the sampling device. The soil sample will be collected using a coring device (e.g., cut syringe, EnCore™, or US Analytical's Easy Draw Syringe™ Sampler). The soil core (approximately 25g of soil) will be placed directly into a preweighed laboratory container and preserved with approximately 25 ml of methanol. Prior to collecting samples for analysis, a sample of similar material will be weighed to establish the correct volume of soil. Alternately, samples can be collected directly into a coring device and sealed using laboratory supplied containers. The VOC sample must be collected immediately upon retrieval of the sampling device and before any other samples are removed.

If head space analysis of the sample is required, the head space sample should be taken immediately upon retrieval and opening of the sampling device -- do not composite. If a VOC sample *and* a headspace sample are required, the VOC sample is taken first and the headspace

sample second in quick succession. For the headspace analysis, a representative sample, approximately 2 to 4 ounces, shall be placed in a glass jar. The jar shall be covered with at least one continuous sheet of aluminum foil and immediately secured with the jar lid. To minimize the number of jars used and the amount of contaminated waste generated, the jar may first be lined with a new clean sandwich bag inserted into the jar and draped over the edges. The jar shall be shaken for at least 15 seconds and allowed a minimum of 10 minutes to adequately volatilize. During cold weather, the sample will be warmed to room temperature prior to taking a head space measurement. If sandwich bags are used, new clean bags must be tested with a PID to verify that VOCs related to the bag's manufacturing are not present.

After the waiting period, the probe of the PID shall quickly be inserted into the bag, taking care not to push it into the sample, and the maximum meter response within 2 to 5 seconds shall be recorded as the head space analysis. The remainder of the sample in the sampling device shall be collected as described above.

Excavations may not be safe to enter as defined by OSHA regulations. These are deep and/or steep sided excavations which typically result from the removal of a underground storage tank (UST) or the excavation of deep contamination. In these situations, a backhoe can also be used to collect soil samples. The backhoe bucket must be free of soil from previous locations before the sample is taken. Once the sample is obtained and brought up to an area at grade and away from the edge of the excavation, the soil sample is collected from the backhoe bucket after the bucket has been placed on the ground and the backhoe operator signals for the sample to be taken. The sample should then be taken from the central portion of the bucket taking care to ensure that the sample soil has not contacted the sides of the bucket. The Health and Safety Plans and OSHA regulations shall be followed when working near open trenches and backhoes.

After a sample is collected it shall be labeled, preserved, stored, and shipped in compliance with SOP F-8.

## **6.0 REFERENCES**

- 6.1 USACE, 1994 TERC Scope of Services for Remedial Investigation. Feasibility Study, K.I. Sawyer AFB, Michigan, Contract No. DACW45-94-D-0001, Appendix A3, General Geology Requirements, K.I. Sawyer AFB.

## **APPENDIX B**

### **Well/Borehole Abandonment Form**

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <i>FTC-28</i>	County <i>Marionette</i>	Original Well Owner (If Known) <i>Arsul</i>	
(If applicable) Gov't Lot _____ Grid Number _____		Present Well Owner <i>Typco Safety Products</i>	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Street or Route <i>2700 Industrial Parkway South</i>	
Civil Town Name <i>Marionette</i>		City, State, Zip Code <i>Marionette Wi</i>	
Street Address of Well <i>2700 Industrial Parkway South</i>		Facility Well No. and/or Name (If Applicable) <i>FTC-28</i>	
City, Village <i>Marionette</i>		Reason for Abandonment <i>Leak Expansion</i>	
		Date of Abandonment <i>1/23/06</i>	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <i>October 2002</i>		(4) Depth to Water (Feet) <u>7.1</u>	
<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input type="checkbox"/> Borehole  Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Screen Removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <i>Removed by Expansion</i>	
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) <u>13</u> Casing diameter (in.) <u>2.0</u> (From Ground Surface)      Casing Depth (ft.) <u>13.0</u> Lower Drillhole Diameter (in.) <u>NA</u>		(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) <i>Well removed by backhoe</i>	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		(6) Sealing Materials                      For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite	

(7) Material Used to Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. of Yards, Sacks, Sealant, or Volume (Circle One)	Mix Ratio or Mud Weight
	<i>Well removed during expansion operations</i>	Surface	<i>13</i>	—

(8) Comments: \_\_\_\_\_

(9) Name of Person or Firm Doing Sealing Work <i>PAT McCARNEY</i>	
Signature of Person Doing Work <i>Pat McCarney</i>	Date Signed <i>1/23/06</i>
Street or Route <i>NG 128 Pleasant View</i>	Telephone Number <i>(920) 912-0548</i>
City, State, Zip Code <i>Clayton, WI</i>	

## **APPENDIX C**

### **Landfill Tonnage Summary**

**FIRE TECHNOLOGY CENTER  
TYCO SAFETY PRODUCTS-ANSUL FACILITY  
MARINETTE, WISCONSIN**

**FTC Upgrade Project - Landfill Tonnage**

<u>Date</u>	<u>Ticket #</u>	<u>Material</u>	<u>Tons</u>	<u>Date</u>	<u>Ticket #</u>	<u>Material</u>	<u>Tons</u>
1/18/2006	10502	Contaminated Soil	17.23	1/19/2006	10554	Contaminated Soil	18.98
1/18/2006	10503	Contaminated Soil	15.51	1/19/2006	10555	Contaminated Soil	18.04
1/18/2006	10504	Contaminated Soil	16.92	1/19/2006	10556	Contaminated Soil	19.25
1/18/2006	10505	Contaminated Soil	19.87	1/19/2006	10557	Contaminated Soil	21.94
1/18/2006	10506	Contaminated Soil	19.97	1/19/2006	10558	Contaminated Soil	18.11
1/18/2006	10507	Contaminated Soil	19.43	1/19/2006	10559	Contaminated Soil	21.50
1/18/2006	10508	Contaminated Soil	18.37	1/19/2006	10560	Contaminated Soil	19.89
1/18/2006	10509	Contaminated Soil	19.18	1/19/2006	10562	Contaminated Soil	18.35
1/18/2006	10510	Contaminated Soil	18.75	1/19/2006	10563	Contaminated Soil	23.55
1/18/2006	10511	Contaminated Soil	18.11	1/19/2006	10564	Contaminated Soil	22.19
1/18/2006	10515	Contaminated Soil	21.52	1/19/2006	10565	Contaminated Soil	22.26
1/18/2006	10516	Contaminated Soil	20.96			Sub-Total:	224.06
1/18/2006	10517	Contaminated Soil	18.85				
1/18/2006	10518	Contaminated Soil	20.73	1/23/2006	10567	Contaminated Soil	18.79
1/18/2006	10519	Contaminated Soil	20.31	1/23/2006	10568	Contaminated Soil	21.35
1/18/2006	10520	Contaminated Soil	21.85	1/23/2006	10569	Contaminated Soil	21.57
1/18/2006	10521	Contaminated Soil	18.55	1/23/2006	10570	Contaminated Soil	20.04
		Sub-Total:	326.11	1/23/2006	10571	Contaminated Soil	19.37
				1/23/2006	10573	Contaminated Soil	20.77
1/19/2006	10522	Contaminated Soil	19.85	1/23/2006	10574	Contaminated Soil	18.76
1/19/2006	10523	Contaminated Soil	16.87	1/23/2006	10575	Contaminated Soil	20.74
1/19/2006	10524	Contaminated Soil	17.84	1/23/2006	10576	Contaminated Soil	21.83
1/19/2006	10525	Contaminated Soil	19.50	1/23/2006	10577	Contaminated Soil	19.01
1/19/2006	10526	Contaminated Soil	20.37	1/23/2006	10578	Contaminated Soil	18.71
1/19/2006	10527	Contaminated Soil	19.37	1/23/2006	10579	Contaminated Soil	21.82
1/19/2006	10528	Contaminated Soil	18.53	1/23/2006	10581	Contaminated Soil	21.04
1/19/2006	10529	Contaminated Soil	21.38	1/23/2006	10582	Contaminated Soil	19.17
1/19/2006	10530	Contaminated Soil	18.89	1/23/2006	10583	Contaminated Soil	20.72
1/19/2006	10531	Contaminated Soil	19.26	1/23/2006	10584	Contaminated Soil	19.50
1/19/2006	10532	Contaminated Soil	20.60	1/23/2006	10585	Contaminated Soil	18.51
1/19/2006	10533	Contaminated Soil	20.05	1/23/2006	10586	Contaminated Soil	19.66
1/19/2006	10534	Contaminated Soil	20.97	1/23/2006	10587	Contaminated Soil	21.76
1/19/2006	10535	Contaminated Soil	19.14	1/23/2006	10588	Contaminated Soil	22.35
1/19/2006	10536	Contaminated Soil	22.22	1/23/2006	10589	Contaminated Soil	22.44
1/19/2006	10537	Contaminated Soil	19.39	1/23/2006	10590	Contaminated Soil	20.52
1/19/2006	10538	Contaminated Soil	23.28	1/23/2006	10591	Contaminated Soil	18.35
1/19/2006	10539	Contaminated Soil	20.35	1/23/2006	10592	Contaminated Soil	19.92
1/19/2006	10540	Contaminated Soil	23.05	1/23/2006	10594	Contaminated Soil	20.42
1/19/2006	10541	Contaminated Soil	21.89	1/23/2006	10595	Contaminated Soil	19.89
1/19/2006	10542	Contaminated Soil	20.90	1/23/2006	10596	Contaminated Soil	20.96
1/19/2006	10543	Contaminated Soil	23.83	1/23/2006	10597	Contaminated Soil	20.79
1/19/2006	10544	Contaminated Soil	19.99	1/23/2006	10598	Contaminated Soil	19.89
1/19/2006	10545	Contaminated Soil	22.22	1/23/2006	576472	Contaminated Soil	20.54
1/19/2006	10546	Contaminated Soil	21.82	1/23/2006	576473	Contaminated Soil	20.78
1/19/2006	10547	Contaminated Soil	22.65	1/23/2006	576474	Contaminated Soil	21.38
1/19/2006	10548	Contaminated Soil	19.49	1/23/2006	576475	Contaminated Soil	19.91
1/19/2006	10549	Contaminated Soil	19.47	1/23/2006	576476	Contaminated Soil	20.62
1/19/2006	10550	Contaminated Soil	20.11	1/23/2006	576477	Contaminated Soil	20.23
1/19/2006	10551	Contaminated Soil	22.13	1/23/2006	576478	Contaminated Soil	18.99
1/19/2006	10552	Contaminated Soil	22.82			Sub-Total:	731.10
1/19/2006	10553	Contaminated Soil	22.13				
		Sub-Total:	660.36				

**FIRE TECHNOLOGY CENTER  
TYCO SAFETY PRODUCTS-ANSUL FACILITY  
MARINETTE, WISCONSIN**

**FTC Upgrade Project - Landfill Tonnage**

<u>Date</u>	<u>Ticket #</u>	<u>Material</u>	<u>Tons</u>	<u>Date</u>	<u>Ticket #</u>	<u>Material</u>	<u>Tons</u>
6/28/2006	637967	Contaminated Soil	23.92	8/17/2006	641145	Contaminated Soil	18.55
6/28/2006	637977	Contaminated Soil	20.96	8/17/2006	641144	Contaminated Soil	30.48
6/28/2006	637953	Contaminated Soil	20.08	8/17/2006	641152	Contaminated Soil	18.38
6/28/2006	637944	Contaminated Soil	21.00	8/17/2006	641156	Contaminated Soil	22.85
6/28/2006	637928	Contaminated Soil	21.92	8/17/2006	641155	Contaminated Soil	30.88
		Sub-Total:	107.88	8/17/2006	641164	Contaminated Soil	16.34
				8/17/2006	641170	Contaminated Soil	31.58
6/29/2006	637991	Contaminated Soil	22.21	8/17/2006	641178	Contaminated Soil	18.09
6/29/2006	638057	Contaminated Soil	18.02	8/17/2006	641184	Contaminated Soil	32.35
6/29/2006	638056	Contaminated Soil	19.57	8/17/2006	641185	Contaminated Soil	23.74
6/29/2006	638049	Contaminated Soil	14.69	8/17/2006	641171	Contaminated Soil	23.39
6/29/2006	638047	Contaminated Soil	20.77	8/17/2006	641198	Contaminated Soil	31.74
6/29/2006	638035	Contaminated Soil	16.76	8/17/2006	641199	Contaminated Soil	23.63
6/29/2006	638034	Contaminated Soil	18.92	8/17/2006	641204	Contaminated Soil	14.84
6/29/2006	638022	Contaminated Soil	21.47	8/17/2006	641187	Contaminated Soil	20.72
6/29/2006	638013	Contaminated Soil	21.25	8/17/2006	641173	Contaminated Soil	21.48
6/29/2006	638002	Contaminated Soil	19.55	8/17/2006	641158	Contaminated Soil	21.32
		Sub-Total:	193.21	8/17/2006	641146	Contaminated Soil	21.79
				8/17/2006	641140	Contaminated Soil	16.59
6/30/2006	638085	Contaminated Soil	24.81			Sub-Total:	438.74
6/30/2006	638063	Contaminated Soil	22.77				
6/30/2006	638077	Contaminated Soil	22.35			<b>Total:</b>	<b>3,212.94</b>
		Sub-Total:	69.93				
8/15/2006	641046	Contaminated Soil	25.53				
		Sub-Total:	25.53	1/18/2006	10512	Concrete	17.48
8/16/2006	641085	Contaminated Soil	33.02	1/18/2006	10513	Concrete	14.96
8/16/2006	641099	Contaminated Soil	32.41	1/18/2006	10514	Concrete	15.95
8/16/2006	641101	Contaminated Soil	23.95	1/23/2006	10572	Concrete	16.55
8/16/2006	641108	Contaminated Soil	32.84	1/23/2006	10580	Concrete	14.73
8/16/2006	641125	Contaminated Soil	33.90	1/23/2006	10593	Concrete	14.75
8/16/2006	641073	Contaminated Soil	30.47	1/25/2006	576479	Concrete	11.65
8/16/2006	641074	Contaminated Soil	25.43			<b>Total:</b>	<b>106.07</b>
8/16/2006	641105	Contaminated Soil	19.43				
8/16/2006	641091	Contaminated Soil	17.79				
8/16/2006	641082	Contaminated Soil	18.94				
8/16/2006	641070	Contaminated Soil	15.73				
8/16/2006	641069	Contaminated Soil	15.89				
8/16/2006	641129	Contaminated Soil	20.38				
8/16/2006	641114	Contaminated Soil	16.37				
8/16/2006	641115	Contaminated Soil	23.63				
8/16/2006	641086	Contaminated Soil	24.47				
8/16/2006	641062	Contaminated Soil	23.92				
8/16/2006	641060	Contaminated Soil	27.45				
		Sub-Total:	436.02				

## **APPENDIX D**

### **Soil Laboratory Analytical Report**





**Please Remit Payment To:**  
 Pace Analytical Services, Inc.  
 P.O. Box 684056  
 Milwaukee, WI 53268-4056  
 1-800-736-2436

# INVOICE

Page 1 of 1

Invoice No: 400868575

Invoice Date: 2/3/2006

Received Date: 1/26/2006

PO No:

Proj State: WI

Terms: Net 30

Due Date: 3/5/2006

**Bill To:**

EARTH TECH, INC.

1020 N BROADWAY

MILWAUKEE, WI 53202

**Site Information:**

89733.02

ANSUL DEMO

D HENDERSON

DESCRIPTION	QTY	PRICE EACH	SUB TOTAL
PAH/PNA - SOIL	6	\$75.00	\$450.00
VOLATILES - SPECIAL LIST - SOIL	6	\$85.00	\$510.00

Invoice SubTotal: \$960.00

Tax: \$0.00

Total: \$960.00

*Thank You for Choosing Pace Analytical Services, Inc.!*

*Please complete, detach and return with your payment.*

Page 1 of 1

Method of Payment: Check / VISA / MasterCard / American Express Phone #: \_\_\_\_\_  
(circle one)

**INVOICE TOTAL \$960.00**

Credit Card Holder: (print) \_\_\_\_\_ 1st 4 digits of address: \_\_\_\_\_

Amount Paid: \$ \_\_\_\_\_

Credit Card Account No: \_\_\_\_\_ Email Address: \_\_\_\_\_

Check No: \_\_\_\_\_

Exp Date: \_\_\_\_\_ Signature: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Invoice No: 400868575



1241 Bellevue Street, Suite 9  
Green Bay, WI 54302  
920-469-2436, Fax: 920-469-8827

**Analytical Report Number: 868575**

Client: EARTH TECH, INC.

Lab Contact: Eric Bullock

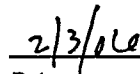
Project Name: ANSUL DEMO

Project Number: 89733.02

Lab Sample Number	Field ID	Matrix	Collection Date
868575-001	AREA 3 S-1 4'BGS	SOIL	01/23/06 08:30
868575-002	AREA 3 S-2 3'BGS	SOIL	01/23/06 08:40
868575-003	AREA 3 S-3 3 1/2'BGS	SOIL	01/23/06 08:50
868575-004	AREA 3 S-4 4'BGS	SOIL	01/23/06 09:00
868575-005	AREA 4 S-1 4'BGS	SOIL	01/23/06 14:00
868575-006	AREA 4 S-2 3 1/2'BGS	SOIL	01/23/06 14:10

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

  
Approval Signature

  
Date

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868575**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89733.02  
Field ID : AREA 3 S-1 4'BGS

Matrix Type : SOIL  
Collection Date : 01/23/06  
Report Date : 02/03/06  
Lab Sample Number : 868575-001

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	88.8				1	%		01/27/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	590	28	68		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	180	28	68		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Benzene	34	28	68		50	ug/Kg	Q	01/30/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Ethylbenzene	84	28	68		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89733.02  
Field ID : AREA 3 S-1 4'BGS

Matrix Type : SOIL  
Collection Date : 01/23/06  
Report Date : 02/03/06  
Lab Sample Number : 868575-001

**VOLATILES - SPECIAL LIST**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Naphthalene	280	28	68		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
N-Heptane	190	73	180		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
n-Propylbenzene	81	28	68		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Toluene	330	28	68		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Xylene, o	130	28	68		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Xylenes, m + p	280	56	140		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	116	64	133		50	%		01/30/06	SW846 5030B	SW846 8260B
Toluene-d8	119	67	139		50	%		01/30/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	115	64	140		50	%		01/30/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	52	3.4	11		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	97	3.5	12		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.3	3.3	11		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.2	3.2	11		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Anthracene	< 4.0	4.0	13		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 6.0	6.0	20		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.2	3.2	11		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 3.2	3.2	11		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 4.0	4.0	13		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.4	3.4	11		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Chrysene	< 4.9	4.9	16		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 3.1	3.1	10		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Fluoranthene	< 3.2	3.2	11		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Fluorene	< 3.8	3.8	13		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.8	2.8	9.4		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Naphthalene	41	4.5	15		1	ug/Kg	N	01/30/06	SW846 3545	8270C-SIM
Phenanthrene	< 3.3	3.3	11		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
Pyrene	< 2.8	2.8	9.2		1	ug/Kg		01/30/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	98.2	20	130		1	%		01/30/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	78.4	30	130		1	%		01/30/06	SW846 3545	8270C-SIM
Terphenyl-d14	107	41	130		1	%		01/30/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868575**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89733.02  
Field ID : AREA 3 S-2 3'BGS

Matrix Type : SOIL  
Collection Date : 01/23/06  
Report Date : 02/03/06  
Lab Sample Number : 868575-002

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	79.5				1	%		01/27/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89733.02  
Field ID : AREA 3 S-2 3'BGS

Matrix Type : SOIL  
Collection Date : 01/23/06  
Report Date : 02/03/06  
Lab Sample Number : 868575-002

**VOLATILES - SPECIAL LIST**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
N-Heptane	190	82	200		50	ug/Kg	Q	01/30/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Toluene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	117	64	133		50	%		01/30/06	SW846 5030B	SW846 8260B
Toluene-d8	120	67	139		50	%		01/30/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	116	64	140		50	%		01/30/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/31/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.8	3.8	13		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	< 3.9	3.9	13		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.7	3.7	12		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.6	3.6	12		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Anthracene	< 4.5	4.5	15		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 6.7	6.7	22		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.6	3.6	12		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 3.5	3.5	12		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 4.5	4.5	15		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.8	3.8	13		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Chrysene	< 5.5	5.5	18		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 3.5	3.5	12		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Fluoranthene	< 3.6	3.6	12		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Fluorene	< 4.3	4.3	14		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 3.2	3.2	11		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Naphthalene	< 5.0	5.0	17		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Phenanthrene	< 3.7	3.7	12		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
Pyrene	< 3.1	3.1	10		1	ug/Kg		01/31/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	85	20	130		1	%		01/31/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	74	30	130		1	%		01/31/06	SW846 3545	8270C-SIM
Terphenyl-d14	99	41	130		1	%		01/31/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868575**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89733.02  
Field ID : AREA 3 S-3 3 1/2'BGS

Matrix Type : SOIL  
Collection Date : 01/23/06  
Report Date : 02/03/06  
Lab Sample Number : 868575-003

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	93.4				1	%		01/27/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868575**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

**Client : EARTH TECH, INC.**

**Project Name : ANSUL DEMO**

**Project Number : 89733.02**

**Field ID : AREA 3 S-3 3 1/2'BGS**

**Matrix Type : SOIL**

**Collection Date : 01/23/06**

**Report Date : 02/03/06**

**Lab Sample Number : 868575-003**

**VOLATILES - SPECIAL LIST**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Naphthalene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
N-Butylbenzene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
N-Heptane	< 65	65	160		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
n-Propylbenzene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
p-Isopropyltoluene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
sec-Butylbenzene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Styrene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
tert-Butylbenzene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Tetrachloroethene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Toluene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Trichloroethene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Vinyl Chloride	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Xylene, o	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Xylenes, m + p	< 50	50	120		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	122	64	133		50	%	01/30/06	SW846 5030B	SW846 8260B	
Toluene-d8	121	67	139		50	%	01/30/06	SW846 5030B	SW846 8260B	
Dibromofluoromethane	119	64	140		50	%	01/30/06	SW846 5030B	SW846 8260B	

**PAH/PNA**

Prep Date: 01/31/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.2	3.2	11		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
2-Methylnaphthalene	< 3.3	3.3	11		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Acenaphthene	< 3.2	3.2	11		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Acenaphthylene	< 3.1	3.1	10		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Anthracene	< 3.8	3.8	13		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Benzo(a)anthracene	< 5.7	5.7	19		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Benzo(a)pyrene	< 3.1	3.1	10		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Benzo(b)fluoranthene	< 3.0	3.0	10		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Benzo(ghi)perylene	< 3.8	3.8	13		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Benzo(k)fluoranthene	< 3.3	3.3	11		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Chrysene	< 4.7	4.7	16		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Dibenz(a,h)anthracene	< 2.9	2.9	9.8		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Fluoranthene	< 3.1	3.1	10		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Fluorene	< 3.7	3.7	12		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 2.7	2.7	9.0		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Naphthalene	< 4.3	4.3	14		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Phenanthrene	< 3.2	3.2	11		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Pyrene	< 2.6	2.6	8.7		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	71	20	130		1	%	01/31/06	SW846 3545	8270C-SIM	
2-Fluorobiphenyl	65	30	130		1	%	01/31/06	SW846 3545	8270C-SIM	
Terphenyl-d14	85	41	130		1	%	01/31/06	SW846 3545	8270C-SIM	

All soil results are reported on a dry weight basis unless otherwise noted.



**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868575**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89733.02  
Field ID : AREA 3 S-4 4'BGS

Matrix Type : SOIL  
Collection Date : 01/23/06  
Report Date : 02/03/06  
Lab Sample Number : 868575-004

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	91.1				1	%		01/27/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/30/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Client :** EARTH TECH, INC.  
**Project Name :** ANSUL DEMO  
**Project Number :** 89733.02  
**Field ID :** AREA 3 S-4 4'BGS

**Matrix Type :** SOIL  
**Collection Date :** 01/23/06  
**Report Date :** 02/03/06  
**Lab Sample Number :** 868575-004

**VOLATILES - SPECIAL LIST**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Naphthalene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
N-Butylbenzene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
N-Heptane	< 65	65	160		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
n-Propylbenzene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
p-Isopropyltoluene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
sec-Butylbenzene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Styrene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
tert-Butylbenzene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Tetrachloroethene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Toluene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Trichloroethene	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Vinyl Chloride	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Xylene, o	< 25	25	60		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
Xylenes, m + p	< 50	50	120		50	ug/Kg	01/30/06	SW846 5030B	SW846 8260B	
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	122	64	133		50	%	01/30/06	SW846 5030B	SW846 8260B	
Toluene-d8	125	67	139		50	%	01/30/06	SW846 5030B	SW846 8260B	
Dibromofluoromethane	118	64	140		50	%	01/30/06	SW846 5030B	SW846 8260B	

**PAH/PNA**

Prep Date: 01/31/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.3	3.3	11		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
2-Methylnaphthalene	< 3.4	3.4	11		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Acenaphthene	< 3.3	3.3	11		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Acenaphthylene	< 3.2	3.2	11		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Anthracene	< 3.9	3.9	13		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Benzo(a)anthracene	< 5.8	5.8	19		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Benzo(a)pyrene	< 3.1	3.1	10		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Benzo(b)fluoranthene	< 3.1	3.1	10		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Benzo(ghi)perylene	< 3.9	3.9	13		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Benzo(k)fluoranthene	< 3.4	3.4	11		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Chrysene	< 4.8	4.8	16		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Dibenz(a,h)anthracene	< 3.0	3.0	10		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Fluoranthene	< 3.2	3.2	11		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Fluorene	< 3.7	3.7	12		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 2.8	2.8	9.2		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Naphthalene	< 4.4	4.4	15		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Phenanthrene	< 3.2	3.2	11		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
Pyrene	< 2.7	2.7	9.0		1	ug/Kg	01/31/06	SW846 3545	8270C-SIM	
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	75	20	130		1	%	01/31/06	SW846 3545	8270C-SIM	
2-Fluorobiphenyl	77	30	130		1	%	01/31/06	SW846 3545	8270C-SIM	
Terphenyl-d14	102	41	130		1	%	01/31/06	SW846 3545	8270C-SIM	

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868575**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89733.02  
Field ID : AREA 4 S-1 4'BGS

Matrix Type : SOIL  
Collection Date : 01/23/06  
Report Date : 02/03/06  
Lab Sample Number : 868575-005

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	94.4				1	%		01/27/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	58000	330	790		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	16000	330	790		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Benzene	510	330	790		625	ug/Kg	Q	01/30/06	SW846 5030B	SW846 8260B
Bromobenzene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromoform	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Bromomethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloroethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloroform	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Chloromethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Dibromomethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Ethylbenzene	8300	330	790		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Isopropylbenzene	2800	330	790		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

Client : EARTH TECH, INC.

Project Name : ANSUL DEMO

Project Number : 89733.02

Field ID : AREA 4 S-1 4'BGS

Matrix Type : SOIL

Collection Date : 01/23/06

Report Date : 02/03/06

Lab Sample Number : 868575-005

**VOLATILES - SPECIAL LIST**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Naphthalene	51000	330	790		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
N-Heptane	31000	860	2100		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
n-Propylbenzene	6400	330	790		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	6900	330	790		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	4400	330	790		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Styrene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Toluene	9600	330	790		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Trichloroethene	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 310	310	750		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Xylene, o	20000	330	790		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
Xylenes, m + p	43000	660	1600		625	ug/Kg		01/30/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	120	64	133		625	%		01/30/06	SW846 5030B	SW846 8260B
Toluene-d8	117	67	139		625	%		01/30/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	106	64	140		625	%		01/30/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	130000	1300	4300		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	230000	1300	4400		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Acenaphthene	9300	1300	4200		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Acenaphthylene	2400	1200	4100		400	ug/Kg	Q	02/01/06	SW846 3545	8270C-SIM
Anthracene	< 1500	1500	5000		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 2200	2200	7500		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 1200	1200	4100		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 1200	1200	4000		400	ug/Kg	Z	02/01/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 1500	1500	5000		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 1300	1300	4300		400	ug/Kg	Z	02/01/06	SW846 3545	8270C-SIM
Chrysene	< 1800	1800	6200		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 1200	1200	3900		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Fluoranthene	< 1200	1200	4100		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Fluorene	12000	1400	4800		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 1100	1100	3600		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Naphthalene	40000	1700	5700		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Phenanthrene	45000	1200	4200		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Pyrene	3000	1000	3500		400	ug/Kg	Q	02/01/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	0	20	130		400	%	D	02/01/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	0	30	130		400	%	D	02/01/06	SW846 3545	8270C-SIM
Terphenyl-d14	0	41	130		400	%	D	02/01/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868575**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89733.02  
Field ID : AREA 4 S-2 3 1/2'BGS

Matrix Type : SOIL  
Collection Date : 01/23/06  
Report Date : 02/03/06  
Lab Sample Number : 868575-006

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	93.8				1	%		01/27/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	61000	670	1600		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	18000	670	1600		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Benzene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Bromobenzene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Bromoform	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Bromomethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Chloroethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Chloroform	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Chloromethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Dibromomethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Ethylbenzene	7500	670	1600		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Isopropylbenzene	2500	670	1600		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

Client : EARTH TECH, INC.

Project Name : ANSUL DEMO

Project Number : 89733.02

Field ID : AREA 4 S-2 3 1/2'BGS

Matrix Type : SOIL

Collection Date : 01/23/06

Report Date : 02/03/06

Lab Sample Number : 868575-006

**VOLATILES - SPECIAL LIST**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Naphthalene	65000	670	1600		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
N-Heptane	26000	1700	4200		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
n-Propylbenzene	5900	670	1600		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	7400	670	1600		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	4600	670	1600		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Styrene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Toluene	9000	670	1600		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Trichloroethene	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 620	620	1500		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Xylene, o	20000	670	1600		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
Xylenes, m + p	45000	1300	3200		1250	ug/Kg	K	01/30/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	114	64	133		1250	%		01/30/06	SW846 5030B	SW846 8260B
Toluene-d8	132	67	139		1250	%		01/30/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	110	64	140		1250	%		01/30/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/30/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	100000	1300	4300		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	180000	1300	4400		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Acenaphthene	6800	1300	4200		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Acenaphthylene	1900	1200	4100		400	ug/Kg	Q	02/01/06	SW846 3545	8270C-SIM
Anthracene	< 1500	1500	5100		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 2300	2300	7500		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 1200	1200	4100		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 1200	1200	4000		400	ug/Kg	Z	02/01/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 1500	1500	5100		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 1300	1300	4300		400	ug/Kg	Z	02/01/06	SW846 3545	8270C-SIM
Chrysene	< 1900	1900	6200		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 1200	1200	3900		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Fluoranthene	< 1200	1200	4100		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Fluorene	8800	1500	4900		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 1100	1100	3600		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Naphthalene	32000	1700	5700		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Phenanthrene	33000	1300	4200		400	ug/Kg		02/01/06	SW846 3545	8270C-SIM
Pyrene	1300	1000	3500		400	ug/Kg	Q	02/01/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	0	20	130		400	%	D	02/01/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	0	30	130		400	%	D	02/01/06	SW846 3545	8270C-SIM
Terphenyl-d14	0	41	130		400	%	D	02/01/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

## Qualifier Codes

### Flag Applies To Explanation

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Test Group Name	868575-001	868575-002	868575-003	868575-004	868575-005	868575-006
PAH/PNA	B	B	B	B	B	B
PERCENT SOLIDS	B	B	B	B	B	B
VOLATILES - SPECIAL LIST	G	G	G	G	G	G

Code	Facility	Address	WI Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	405132750 / DATCP: 105-444
G	Green Bay Lab (Industrial Dr)	1795 Industrial Drive Green Bay, WI 54302	405132750





**Sample Condition Upon Receipt**

Client Name: Earth Tech Project # 868575

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used 17H Type of Ice:  Wet  Blue  None

Samples on ice, cooling process has begun

Cooler Temperature NOE

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 1-26-06  
1-26-06-60

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>S</u>	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, Wf-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: EB/26/06

Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. *JAR*

Page: of  
**924820**

### Section A

Required Client Information:

Company: **EARTH TECH**  
 Address: **1020 N BROADWAY MILWAUKEE, WI 53202**  
 Email To:  
 Phone: Fax:

### Section B

Required Project Information:

Report To: **DAVE HENDERSON**  
 Copy To:  
 Purchase Order No.:  
 Project Name: **ANISOL DEMO**  
 Project Number: **89733.02**

### Section C

Invoice Information:

Attention: **DAVE HENDERSON**  
 Company Name: **EARTH TECH**  
 Address: **1020 N BROADWAY**  
 Pace Quote Reference:  
 Pace Project Manager:  
 Pace Profile #:

**REGULATORY AGENCY**

NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  Other \_\_\_\_\_

**SITE LOCATION**

GA  IL  IN  MI  MN  NC  
 OH  SC  WI  OTHER \_\_\_\_\_

### Section D Required Client Information

**SAMPLE ID**

One Character per box.  
(A-Z, 0-9 / -)

Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number	Lab I.D.	
	COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol						Other
	DATE	TIME	DATE	TIME															
	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP																	
AREA 3 S-1 4' BGS	SL	1/23	830	25	2	X											001		
AREA 3 S-2 3' BGS	SL	1/23	840	25	2	Y											002		
AREA 3 S-3 3' BGS	SL	1/23	850	25	2	Y											003		
AREA 3 S-4 4' BGS	SL	1/23	900	25	2	Y											004		
AREA 4 S-1 4' BGS	SL	1/23	1400	24	2	Y											006-005		
AREA 4 S-2 3' BGS	SL	1/23	1410	28	2	Y											007-006		

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
<i>Pat McCann</i>	1/23	805	<i>David Updegraff</i>	1/24/06	0805	IN
	1/20					IN
						IN
						IN

### SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:  
**PAT McCANN**

SIGNATURE of SAMPLER:  
*Pat McCann*

DATE Signed (MM/DD/YY)  
**1/24/06**

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N



**Please Remit Payment To:**  
 Pace Analytical Services, Inc.  
 P.O. Box 684056  
 Milwaukee, WI 53268-4056  
 1-800-736-2436

# INVOICE

Page 1 of 1

Invoice No: 400868455

Invoice Date: 1/27/2006

Received Date: 1/20/2006

PO No:

Proj State: WI

Terms: Net 30

Due Date: 2/26/2006

**Bill To:**

EARTH TECH, INC.  
  
 1020 N BROADWAY  
  
 MILWAUKEE, WI 53202

**Site Information:**

89773.02  
 ANSUL - DEMO  
 Dave Henderson

DESCRIPTION	QTY	PRICE EACH	SUB TOTAL
PAH/PNA - SOIL	13	\$75.00	\$975.00
VOLATILES - SPECIAL LIST - SOIL	13	\$85.00	\$1,105.00

Invoice SubTotal: \$2,080.00

Tax: \$0.00

Total: \$2,080.00

*Thank You for Choosing Pace Analytical Services, Inc.!*

*Please complete, detach and return with your payment.*

Page 1 of 1

Method of Payment: Check / VISA / MasterCard / American Express Phone #: \_\_\_\_\_  
(circle one)

**INVOICE TOTAL \$2,080.00**

Credit Card Holder: (print) \_\_\_\_\_ 1st 4 digits of address: \_\_\_\_\_

Amount Paid: \$ \_\_\_\_\_

Credit Card Account No: \_\_\_\_\_ Email Address: \_\_\_\_\_

Check No: \_\_\_\_\_

Exp Date: \_\_\_\_\_ Signature: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Invoice No: 400868455



1241 Bellevue Street, Suite 9  
Green Bay, WI 54302  
920-469-2436, Fax: 920-469-8827

**Analytical Report Number: 868455**

Client: EARTH TECH, INC.


Lab Contact: Eric Bullock

Project Name: ANSUL - DEMO

Project Number: 89773.02

Lab Sample Number	Field ID	Matrix	Collection Date
868455-001	CS-10 3' BGS	SOIL	01/16/06 14:30
868455-002	CS-11 3' BGS	SOIL	01/17/06 15:00
868455-003	AREA 1 S-1 3.5' BGS	SOIL	01/18/06 07:30
868455-004	AREA 1 S-2 3.5' BGS	SOIL	01/18/06 07:35
868455-005	AREA 1 S-3 3.5' BGS	SOIL	01/18/06 07:40
868455-006	AREA 2 S-1 3.5' BGS	SOIL	01/18/06 08:45
868455-007	AREA 2 S-2 3.5' BGS	SOIL	01/18/06 08:50
868455-008	AREA 2 S-3 5' BGS	SOIL	01/19/06 08:50
868455-009	AREA 2 S-4 4' BGS	SOIL	01/19/06 09:00
868455-010	AREA 2 S-5 5' BGS	SOIL	01/19/06 10:00
868455-011	AREA 2 S-6 4' BGS	SOIL	01/19/06 11:30
868455-012	AREA 2 S-7 5' BGS	SOIL	01/19/06 11:45
868455-013	AREA 2 S-8 4' BGS	SOIL	01/19/06 12:30

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

  
Approval Signature

1/27/06  
Date

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : CS-10 3' BGS

Matrix Type : SOIL  
Collection Date : 01/16/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-001

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	150000	2100	5100		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	53000	2100	5100		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Benzene	5400	2100	5100		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromobenzene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromoform	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromomethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroform	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloromethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dibromomethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Ethylbenzene	27000	2100	5100		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Isopropylbenzene	3000	2100	5100		4000	ug/Kg	Q	01/23/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Naphthalene	21000	2100	5100		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : CS-10 3' BGS

Matrix Type : SOIL  
Collection Date : 01/16/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-001

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Heptane	660000	5600	13000		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
n-Propylbenzene	12000	2100	5100		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	4700	2100	5100		4000	ug/Kg	Q	01/23/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	2200	2100	5100		4000	ug/Kg	Q	01/23/06	SW846 5030B	SW846 8260B
Styrene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Toluene	360000	2100	5100		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Trichloroethene	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 2000	2000	4800		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylene, o	73000	2100	5100		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylenes, m + p	170000	4300	10000		4000	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	118	64	133		4000	%		01/23/06	SW846 5030B	SW846 8260B
Toluene-d8	125	67	139		4000	%		01/23/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	106	64	140		4000	%		01/23/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/24/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	9700	110	360		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	21000	110	370		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Acenaphthene	< 110	110	350		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Acenaphthylene	< 100	100	340		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Anthracene	< 130	130	420		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 190	190	630		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 100	100	340		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 100	100	330		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 130	130	420		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 110	110	360		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Chrysene	< 160	160	520		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 98	98	330		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Fluoranthene	< 100	100	340		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Fluorene	< 120	120	410		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 90	90	300		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Naphthalene	13000	140	480		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Phenanthrene	< 100	100	350		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Pyrene	< 87	87	290		33.3	ug/Kg		01/26/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	0	20	130		33.3	%	D	01/26/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	0	30	130		33.3	%	D	01/26/06	SW846 3545	8270C-SIM
Terphenyl-d14	0	41	130		33.3	%	D	01/26/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : CS-11 3' BGS

Matrix Type : SOIL  
Collection Date : 01/17/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-002

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	87000	660	1600		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	45000	660	1600		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Benzene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromobenzene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromoform	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromomethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroform	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloromethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dibromomethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Ethylbenzene	8300	660	1600		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Isopropylbenzene	1100	660	1600		1250	ug/Kg	Q	01/23/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Naphthalene	18000	660	1600		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : CS-11 3' BGS

Matrix Type : SOIL  
Collection Date : 01/17/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-002

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Heptane	21000	1700	4100		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
n-Propylbenzene	4900	660	1600		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	4500	660	1600		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	1400	660	1600		1250	ug/Kg	Q	01/23/06	SW846 5030B	SW846 8260B
Styrene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Toluene	12000	660	1600		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Trichloroethene	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 620	620	1500		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylene, o	38000	660	1600		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylenes, m + p	76000	1300	3200		1250	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	109	64	133		1250	%		01/23/06	SW846 5030B	SW846 8260B
Toluene-d8	126	67	139		1250	%		01/23/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	121	64	140		1250	%		01/23/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/24/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	22000	200	670		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	33000	210	690		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Acenaphthene	< 200	200	660		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Acenaphthylene	< 190	190	640		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Anthracene	< 240	240	790		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 350	350	1200		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 190	190	630		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 190	190	620		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 240	240	790		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 200	200	680		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Chrysene	< 290	290	960		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 180	180	610		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Fluoranthene	< 190	190	640		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Fluorene	< 230	230	750		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 170	170	560		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Naphthalene	9400	270	890		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Phenanthrene	< 200	200	650		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
Pyrene	< 160	160	540		62.5	ug/Kg		01/26/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	0	20	130		62.5	%	D	01/26/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	0	30	130		62.5	%	D	01/26/06	SW846 3545	8270C-SIM
Terphenyl-d14	0	41	130		62.5	%	D	01/26/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.



Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 1 S-1 3.5' BGS

Matrix Type : SOIL  
Collection Date : 01/18/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-003

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromoforn	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 1 S-1 3.5' BGS

Matrix Type : SOIL  
Collection Date : 01/18/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-003

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Heptane	110	69	170		50	ug/Kg	Q	01/23/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Toluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	131	64	133		50	%		01/23/06	SW846 5030B	SW846 8260B
Toluene-d8	134	67	139		50	%		01/23/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	126	64	140		50	%		01/23/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/24/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	4.3	3.2	11		1	ug/Kg	Q	01/25/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	6.2	3.3	11		1	ug/Kg	Q	01/25/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Anthracene	< 3.8	3.8	13		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 5.6	5.6	19		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 3.8	3.8	13		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Chrysene	< 4.6	4.6	15		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 2.9	2.9	9.8		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluoranthene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluorene	< 3.6	3.6	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.7	2.7	8.9		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Naphthalene	< 4.3	4.3	14		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Phenanthrene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Pyrene	< 2.6	2.6	8.7		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	79	20	130		1	%		01/25/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	73	30	130		1	%		01/25/06	SW846 3545	8270C-SIM
Terphenyl-d14	99	41	130		1	%		01/25/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 1 S-2 3.5' BGS

Matrix Type : SOIL  
Collection Date : 01/18/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-004

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 1 S-2 3.5' BGS

Matrix Type : SOIL  
Collection Date : 01/18/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-004

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Heptane	< 65	65	160		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Toluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	111	64	133		50	%		01/23/06	SW846 5030B	SW846 8260B
Toluene-d8	114	67	139		50	%		01/23/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	110	64	140		50	%		01/23/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/24/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.4	3.4	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	< 3.6	3.6	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.4	3.4	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Anthracene	< 4.0	4.0	13		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 6.0	6.0	20		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 4.0	4.0	13		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.5	3.5	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Chrysene	< 5.0	5.0	17		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluoranthene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluorene	< 3.9	3.9	13		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.9	2.9	9.5		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Naphthalene	< 4.6	4.6	15		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Phenanthrene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Pyrene	< 2.8	2.8	9.3		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	90	20	130		1	%		01/25/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	63	30	130		1	%		01/25/06	SW846 3545	8270C-SIM
Terphenyl-d14	84	41	130		1	%		01/25/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 1 S-3 3.5' BGS

Matrix Type : SOIL  
Collection Date : 01/18/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-005

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 1 S-3 3.5' BGS

Matrix Type : SOIL  
Collection Date : 01/18/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-005

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Heptane	< 65	65	160		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Toluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	121	64	133		50	%		01/23/06	SW846 5030B	SW846 8260B
Toluene-d8	120	67	139		50	%		01/23/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	116	64	140		50	%		01/23/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/24/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Anthracene	< 3.8	3.8	13		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 5.6	5.6	19		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 3.8	3.8	13		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Chrysene	< 4.6	4.6	15		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 2.9	2.9	9.8		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluoranthene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluorene	< 3.6	3.6	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.7	2.7	8.9		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Naphthalene	< 4.3	4.3	14		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Phenanthrene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Pyrene	< 2.6	2.6	8.7		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	68	20	130		1	%		01/25/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	62	30	130		1	%		01/25/06	SW846 3545	8270C-SIM
Terphenyl-d14	96	41	130		1	%		01/25/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 2 S-1 3.5' BGS

Matrix Type : SOIL  
Collection Date : 01/18/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-006

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 2 S-1 3.5' BGS

Matrix Type : SOIL  
Collection Date : 01/18/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-006

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Heptane	< 65	65	160		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Toluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	121	64	133		50	%		01/23/06	SW846 5030B	SW846 8260B
Toluene-d8	123	67	139		50	%		01/23/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	123	64	140		50	%		01/23/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/24/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Anthracene	< 3.7	3.7	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 5.5	5.5	18		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 2.9	2.9	9.7		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 3.7	3.7	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Chrysene	< 4.5	4.5	15		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 2.9	2.9	9.6		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluoranthene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluorene	< 3.6	3.6	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.6	2.6	8.7		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Naphthalene	< 4.2	4.2	14		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Phenanthrene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Pyrene	< 2.6	2.6	8.5		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	60	20	130		1	%		01/25/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	49	30	130		1	%		01/25/06	SW846 3545	8270C-SIM
Terphenyl-d14	84	41	130		1	%		01/25/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.



**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.

Project Name : ANSUL - DEMO

Project Number : 89773.02

Field ID : AREA 2 S-2 3.5' BGS

Matrix Type : SOIL

Collection Date : 01/18/06

Report Date : 01/27/06

Lab Sample Number : 868455-007

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.

Project Name : ANSUL - DEMO

Project Number : 89773.02

Field ID : AREA 2 S-2 3.5' BGS

Matrix Type : SOIL

Collection Date : 01/18/06

Report Date : 01/27/06

Lab Sample Number : 868455-007

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Heptane	< 65	65	160		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Toluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	113	64	133		50	%		01/23/06	SW846 5030B	SW846 8260B
Toluene-d8	114	67	139		50	%		01/23/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	112	64	140		50	%		01/23/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/24/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Anthracene	< 3.8	3.8	13		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 5.6	5.6	19		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 3.0	3.0	9.9		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 3.8	3.8	13		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Chrysene	< 4.6	4.6	15		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 2.9	2.9	9.7		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluoranthene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluorene	< 3.6	3.6	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.7	2.7	8.8		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Naphthalene	< 4.2	4.2	14		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Phenanthrene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Pyrene	< 2.6	2.6	8.6		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	88	20	130		1	%		01/25/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	80	30	130		1	%		01/25/06	SW846 3545	8270C-SIM
Terphenyl-d14	100	41	130		1	%		01/25/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.

Project Name : ANSUL - DEMO

Project Number : 89773.02

Field ID : AREA 2 S-3 5' BGS

Matrix Type : SOIL

Collection Date : 01/19/06

Report Date : 01/27/06

Lab Sample Number : 868455-008

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Fluorotrchloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 2 S-3 5' BGS

Matrix Type : SOIL  
Collection Date : 01/19/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-008

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Heptane	< 65	65	160		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Toluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	121	64	133		50	%		01/23/06	SW846 5030B	SW846 8260B
Toluene-d8	120	67	139		50	%		01/23/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	118	64	140		50	%		01/23/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/24/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Anthracene	< 3.7	3.7	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 5.6	5.6	19		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 3.0	3.0	9.9		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 3.7	3.7	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Chrysene	< 4.6	4.6	15		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 2.9	2.9	9.7		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluoranthene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluorene	< 3.6	3.6	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.6	2.6	8.8		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Naphthalene	< 4.2	4.2	14		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Phenanthrene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Pyrene	< 2.6	2.6	8.6		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	97	20	130		1	%		01/25/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	77	30	130		1	%		01/25/06	SW846 3545	8270C-SIM
Terphenyl-d14	96	41	130		1	%		01/25/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical  
Services, Inc.

Analytical Report Number: 868455

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 2 S-4 4' BGS

Matrix Type : SOIL  
Collection Date : 01/19/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-009

VOLATILES - SPECIAL LIST

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 2 S-4 4' BGS

Matrix Type : SOIL  
Collection Date : 01/19/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-009

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Heptane	< 65	65	160		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Toluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	110	64	133		50	%		01/23/06	SW846 5030B	SW846 8260B
Toluene-d8	112	67	139		50	%		01/23/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	107	64	140		50	%		01/23/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/24/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Anthracene	< 3.7	3.7	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 5.6	5.6	19		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 3.0	3.0	9.8		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 3.7	3.7	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Chrysene	< 4.6	4.6	15		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 2.9	2.9	9.7		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluoranthene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluorene	< 3.6	3.6	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.6	2.6	8.8		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Naphthalene	< 4.2	4.2	14		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Phenanthrene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Pyrene	< 2.6	2.6	8.6		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	98	20	130		1	%		01/25/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	79	30	130		1	%		01/25/06	SW846 3545	8270C-SIM
Terphenyl-d14	102	41	130		1	%		01/25/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.

Project Name : ANSUL - DEMO

Project Number : 89773.02

Field ID : AREA 2 S-5 5' BGS

Matrix Type : SOIL

Collection Date : 01/19/06

Report Date : 01/27/06

Lab Sample Number : 868455-010

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 2 S-5 5' BGS

Matrix Type : SOIL  
Collection Date : 01/19/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-010

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Heptane	< 65	65	160		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Toluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	126	64	133		50	%		01/23/06	SW846 5030B	SW846 8260B
Toluene-d8	128	67	139		50	%		01/23/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	119	64	140		50	%		01/23/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/24/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Anthracene	< 3.7	3.7	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 5.5	5.5	18		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 2.9	2.9	9.8		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 3.7	3.7	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Chrysene	< 4.6	4.6	15		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 2.9	2.9	9.6		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluoranthene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluorene	< 3.6	3.6	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.6	2.6	8.7		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Naphthalene	< 4.2	4.2	14		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Phenanthrene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Pyrene	< 2.6	2.6	8.5		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	100	20	130		1	%		01/25/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	83	30	130		1	%		01/25/06	SW846 3545	8270C-SIM
Terphenyl-d14	109	41	130		1	%		01/25/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.



**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 2 S-6 4' BGS

Matrix Type : SOIL  
Collection Date : 01/19/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-011

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	41	29	68		50	ug/Kg	Q	01/23/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 2 S-6 4' BGS

Matrix Type : SOIL  
Collection Date : 01/19/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-011

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Heptane	< 65	65	160		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Toluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	110	64	133		50	%		01/23/06	SW846 5030B	SW846 8260B
Toluene-d8	112	67	139		50	%		01/23/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	105	64	140		50	%		01/23/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/24/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.5	3.5	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	< 3.6	3.6	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.4	3.4	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Anthracene	< 4.1	4.1	14		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 6.0	6.0	20		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 4.1	4.1	14		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.5	3.5	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Chrysene	< 5.0	5.0	17		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluoranthene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluorene	< 3.9	3.9	13		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.9	2.9	9.6		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Naphthalene	< 4.6	4.6	15		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Phenanthrene	< 3.4	3.4	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Pyrene	< 2.8	2.8	9.3		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	87	20	130		1	%		01/25/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	75	30	130		1	%		01/25/06	SW846 3545	8270C-SIM
Terphenyl-d14	98	41	130		1	%		01/25/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 2 S-7 5' BGS

Matrix Type : SOIL  
Collection Date : 01/19/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-012

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	170	28	67		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	130	28	67		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	66	28	67		50	ug/Kg	Q	01/24/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL - DEMO  
Project Number : 89773.02  
Field ID : AREA 2 S-7 5' BGS

Matrix Type : SOIL  
Collection Date : 01/19/06  
Report Date : 01/27/06  
Lab Sample Number : 868455-012

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Heptane	97	73	170		50	ug/Kg	Q	01/24/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Toluene	54	28	67		50	ug/Kg	Q	01/24/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Xylene, o	140	28	67		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
Xylenes, m + p	270	56	130		50	ug/Kg		01/24/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	98	64	133		50	%		01/24/06	SW846 5030B	SW846 8260B
Toluene-d8	98	67	139		50	%		01/24/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	85	64	140		50	%		01/24/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/24/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.4	3.4	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	5.2	3.5	12		1	ug/Kg	Q	01/25/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Anthracene	< 4.0	4.0	13		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 5.9	5.9	20		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 4.0	4.0	13		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.4	3.4	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Chrysene	< 4.9	4.9	16		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluoranthene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluorene	< 3.8	3.8	13		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.8	2.8	9.4		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Naphthalene	7.1	4.5	15		1	ug/Kg	Q	01/25/06	SW846 3545	8270C-SIM
Phenanthrene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Pyrene	< 2.7	2.7	9.1		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	88	20	130		1	%		01/25/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	65	30	130		1	%		01/25/06	SW846 3545	8270C-SIM
Terphenyl-d14	90	41	130		1	%		01/25/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.

Project Name : ANSUL - DEMO

Project Number : 89773.02

Field ID : AREA 2 S-8 4' BGS

Matrix Type : SOIL

Collection Date : 01/19/06

Report Date : 01/27/06

Lab Sample Number : 868455-013

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromoforn	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868455**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.

Project Name : ANSUL - DEMO

Project Number : 89773.02

Field ID : AREA 2 S-8 4' BGS

Matrix Type : SOIL

Collection Date : 01/19/06

Report Date : 01/27/06

Lab Sample Number : 868455-013

**VOLATILES - SPECIAL LIST**

Prep Date: 01/23/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Heptane	< 65	65	160		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Toluene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/Kg		01/23/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	127	64	133		50	%		01/23/06	SW846 5030B	SW846 8260B
Toluene-d8	128	67	139		50	%		01/23/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	123	64	140		50	%		01/23/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/24/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	< 3.3	3.3	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Anthracene	< 3.7	3.7	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 5.6	5.6	19		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 2.9	2.9	9.8		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 3.7	3.7	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.2	3.2	11		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Chrysene	< 4.6	4.6	15		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 2.9	2.9	9.6		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluoranthene	< 3.0	3.0	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Fluorene	< 3.6	3.6	12		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.6	2.6	8.8		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Naphthalene	< 4.2	4.2	14		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Phenanthrene	< 3.1	3.1	10		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
Pyrene	< 2.6	2.6	8.6		1	ug/Kg		01/25/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	79	20	130		1	%		01/25/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	62	30	130		1	%		01/25/06	SW846 3545	8270C-SIM
Terphenyl-d14	82	41	130		1	%		01/25/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

## Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level; therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Test Group Name	868455-001	868455-002	868455-003	868455-004	868455-005	868455-006	868455-007	868455-008	868455-009	868455-010	868455-011	868455-012	868455-013
PAH/PNA	B	B	B	B	B	B	B	B	B	B	B	B	B
VOLATILES - SPECIAL LIST	G	G	G	G	G	G	G	G	G	G	G	G	G

Code	Facility	Address	WI Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	405132750 / DATCP: 105-444
G	Green Bay Lab (Industrial Dr)	1795 Industrial Drive Green Bay, WI 54302	405132750





**Sample Condition Upon Receipt**

Client Name: Earth Tech Project # 868 455

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used NA Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature NOT Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Optional:
Proj. Due Date:
Proj. Name:
Date and Initials of person examining contents: <u>11/20/06</u>

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: [Signature]

Date: 1-23-06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

0990785

## Section A

Required Client Information:

## Section B

Required Project Information:

## Section C

Invoice Information:

Company: <b>EARTH TECH</b>	Report To: <b>DAVE HENDERSON</b>	Attention:
Address: <b>1020 N. BROADWAY MILWAUKEE, WI 53202</b>	Copy To:	Company Name: <b>SAME</b>
Email To: <b>DAVE.HENDERSON@EARTHTECH.COM</b>	Purchase Order No.:	Address: <b>SAME</b>
Phone: <b>414-225-1681</b> Fax: <b>414-225-4144</b>	Project Name: <b>ANSL - DEMO</b>	Pace Quote Reference:
Requested Due Date/TAT: <b>5/11</b>	Project Number: <b>89773.02</b>	Pace Project Manager:
		Pace Profile #:

**REGULATORY AGENCY**

NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  Other

**SITE LOCATION**

GA  IL  IN  MI  MN  NC  
 OH  SC  WI  OTHER

ITEM #	Section D Required Client Information			Valid Matrix Codes	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Face Project Number 868455	Lab ID		
	SAMPLE ID			MATRIX			COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol						Other	
	One Character per box. (A-Z, 0-9 / -)	DRINKING WATER DW	WATER WT	WASTE WATER WW	DATE	TIME	DATE	TIME	DATE	TIME	Other	Other	Other	Other	Other	Other	Other									
1	CS-10	3'	BGS	SLG	1/16	1430						2	X												001	
2	CS-11	3'	BGS	SLG	1/17	1500						2	X												002	
3	AREA 1	S-1	3 1/2' BGS	SLG	1/18	7:30						2	Y												003	
4	AREA 1	S-2	3 1/2' BGS	SLG	1/18	7:35						2	Y												004	
5	AREA 1	S-3	3 1/2' BGS	SLG	1/18	7:40						2	Y												005	
6	AREA 2	S-1	3 1/2' BGS	SLG	1/18	8:45						2	Y												006	
7	AREA 2	S-2	3 1/2' BGS	SLG	1/19	8:50						2	X												007	
8	AREA 2	S-3	5' BGS	SLG	1/19	8:50					17	2	X												008	
9	AREA 2	S-4	4' BGS	SLG	1/19	9:00					18	2	X												009	
10	AREA 2	S-5	5' BGS	SLG	1/19	10:00					18	2	X												010	
11	AREA 2	S-6	4' BGS	SLG	1/19	11:30					28	2	Y												011	
12	AREA 2	S-7	5' BGS	SLG	1/19	11:45					28	2	X												012	

Additional Comments: **AREA 2 S-8 4' BGS**

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
<i>Pat McCann</i>	1/20	8:20	<i>Dave Henderson</i>	1/20	8:20	Y/N Y/N Y/N
						Y/N Y/N Y/N
						Y/N Y/N Y/N

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: **PAT McCANN**

SIGNATURE of SAMPLER: *Pat McCann*

DATE Signed (MM/DD/YY): *1/19/11*

Temp in °C	Received on Ice	Custody Sealed Cooler	Complies
	Y/N	Y/N	Y/N



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of  
**0990786**

### Section A

Required Client Information:

Company: *Earth Tech*

Address: *Same as page 1*

Email To:

Phone:      Fax:

Requested Due Date/TAT:

### Section B

Required Project Information:

Report To: *Dave Henderson*

Copy To:

Purchase Order No.:

Project Name:

Project Number:

### Section C

Invoice Information:

Attention:

Company Name:

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #:

**REGULATORY AGENCY**

NPDES       GROUND WATER       DRINKING WATER

UST       RCRA       Other \_\_\_\_\_

**SITE LOCATION**

GA    IL    IN    MI    MN    NC

OH    SC    WI    OTHER \_\_\_\_\_

### Section D Required Client Information

**SAMPLE ID**

One Character per box.  
(A-Z, 0-9 / -)

Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

MATRIX CODE

SAMPLE TYPE  
G=GRAB C=COMP

COLLECTED

COMPOSITE START		COMPOSITE END/GRAB	
DATE	TIME	DATE	TIME

SAMPLE TEMP AT COLLECTION

# OF CONTAINERS

Preservatives

Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other
-------------	--------------------------------	------------------	-----	------	---	----------	-------

Filtered (Y/N)

Requested Analysis:

*WOC - HEP TIME / TAT*

Residual Chlorine (Y/N)

*868455*

Face Project Number

Lab I.D.

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Filtered (Y/N)	Requested Analysis	Residual Chlorine (Y/N)	Face Project Number	Lab I.D.			
				DATE	TIME	DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other								
1	A RGA-2 S-8 4IBGS	SL	G	1/19	1230			36	2	X								X	X			013			
2																									
3																									
5																									
6																									
8																									
9																									
10																									
11																									
12																									

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
<i>Vat McCann</i>	<i>1/20</i>	<i>820</i>	<i>Steve Hopton/Chalk</i>	<i>1/21/06</i>	<i>0820</i>	<i>Pass</i>
						Y/N
						Y/N
						Y/N
						Y/N
						Y/N
						Y/N

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: *Vat McCann*

SIGNATURE of SAMPLER: *Vat McCann*

DATE Signed (MM/DD/YY): *1/21/06*

Temp in °C

Received on Ice

Custody Sealed Cooler

Samples Intact



**Please Remit Payment To:**  
 Pace Analytical Services, Inc.  
 P.O. Box 684056  
 Milwaukee, WI 53268-4056  
 1-800-736-2436

# INVOICE

Page 1 of 1

Invoice No: 400868279

Invoice Date: 1/24/2006

Received Date: 1/13/2006

PO No:

Proj State: WI

Terms: Net 30

Due Date: 2/23/2006

**Bill To:**

EARTH TECH, INC.  
 1020 N BROADWAY  
 MILWAUKEE, WI 53202

**Site Information:**

89773.02  
 ANSUL DEMO  
 DAVE HENDERSON

DESCRIPTION	QTY	PRICE EACH	SUB TOTAL
PAH/PNA - SOIL	9	\$75.00	\$675.00
VOLATILES - SPECIAL LIST - SOIL	9	\$85.00	\$765.00

Invoice SubTotal: \$1,440.00

Tax: \$0.00

Total: \$1,440.00

*Thank You for Choosing Pace Analytical Services, Inc.!*

*Please complete, detach and return with your payment.*

Page 1 of 1

Method of Payment: Check / VISA / MasterCard / American Express Phone #: \_\_\_\_\_  
(circle one)

Credit Card Holder: (print) \_\_\_\_\_ 1st 4 digits of address: \_\_\_\_\_

Credit Card Account No: \_\_\_\_\_ Email Address: \_\_\_\_\_

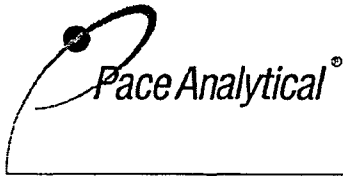
Exp Date: \_\_\_\_\_ Signature: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**INVOICE TOTAL \$1,440.00**

Amount Paid: \$ \_\_\_\_\_

Check No: \_\_\_\_\_

Invoice No: 400868279



1241 Bellevue Street, Suite 9  
Green Bay, WI 54302  
920-469-2436, Fax: 920-469-8827

**Analytical Report Number: 868279**

**Client:** EARTH TECH, INC.

**Lab Contact:** Eric Bullock

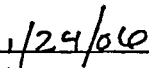
**Project Name:** ANSUL DEMO

**Project Number:** 89773.02

Lab Sample Number	Field ID	Matrix	Collection Date
868279-001	CS-1 2' BGS	SOIL	01/10/06 10:00
868279-002	CS-2 3' BGS	SOIL	01/11/06 09:00
868279-003	CS-3 2' BGS	SOIL	01/11/06 15:00
868279-004	CS-4 2' BGS	SOIL	01/12/06 08:45
868279-005	CS-5 2 1/2' BGS	SOIL	01/12/06 09:30
868279-006	CS-6 3' BGS	SOIL	01/12/06 09:50
868279-007	CS-7 2 1/2' BGS	SOIL	01/12/06 13:00
868279-008	CS-8 3' BGS	SOIL	01/12/06 16:30
868279-009	CS-9 2 1/2' BGS	SOIL	01/13/06 08:30

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

  
Approval Signature

  
Date

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-1 2' BGS

Matrix Type : SOIL  
Collection Date : 01/10/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-001

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	94.3				1	%		01/16/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	7100	210	510		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	3600	210	510		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Benzene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromobenzene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromoform	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromomethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroform	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloromethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dibromomethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Ethylbenzene	3700	210	510		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Isopropylbenzene	1300	210	510		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-1 2' BGS

Matrix Type : SOIL  
Collection Date : 01/10/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-001

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Naphthalene	2500	210	510		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Heptane	86000	550	1300		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
n-Propylbenzene	1400	210	510		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	1300	210	510		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	610	210	510		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Styrene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Toluene	6300	210	510		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Trichloroethene	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 200	200	480		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Xylene, o	23000	210	510		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Xylenes, m + p	40000	420	1000		400	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	130	64	133		400	%		01/18/06	SW846 5030B	SW846 8260B
Toluene-d8	187	67	139		400	%	F	01/18/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	118	64	140		400	%		01/18/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	9100	64	210		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	13000	66	220		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Acenaphthene	980	63	210		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Acenaphthylene	460	61	200		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Anthracene	810	75	250		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 110	110	370		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 61	61	200		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	62	60	200		20	ug/Kg	QZ	01/18/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 75	75	250		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 65	65	220		20	ug/Kg	Z	01/18/06	SW846 3545	8270C-SIM
Chrysene	230	92	310		20	ug/Kg	Q	01/18/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 58	58	190		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Fluoranthene	510	61	200		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Fluorene	2300	72	240		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 53	53	180		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Naphthalene	1500	85	280		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Phenanthrene	17000	62	210		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Pyrene	1300	52	170		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	0	20	130		20	%	D	01/18/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	0	30	130		20	%	D	01/18/06	SW846 3545	8270C-SIM
Terphenyl-d14	0	41	130		20	%	D	01/18/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-2 3' BGS

Matrix Type : SOIL  
Collection Date : 01/11/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-002

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	82.7				1	%		01/16/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	17000	60	150		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	6300	60	150		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Benzene	130	60	150		100	ug/Kg	Q	01/18/06	SW846 5030B	SW846 8260B
Bromobenzene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromoform	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromomethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroform	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloromethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dibromomethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Ethylbenzene	1300	60	150		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Isopropylbenzene	230	60	150		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.



**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-2 3' BGS

Matrix Type : SOIL  
Collection Date : 01/11/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-002

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Naphthalene	2000	60	150		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Heptane	3600	160	380		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
n-Propylbenzene	1200	60	150		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	540	60	150		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	150	60	150		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Styrene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Toluene	3400	60	150		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Trichloroethene	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 50	50	120		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Xylene, o	5200	60	150		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Xylenes, m + p	11000	120	290		100	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	131	64	133		100	%		01/18/06	SW846 5030B	SW846 8260B
Toluene-d8	130	67	139		100	%		01/18/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	123	64	140		100	%		01/18/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/18/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	360	7.3	24		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	780	7.6	25		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Acenaphthene	< 7.2	7.2	24		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Acenaphthylene	< 7.0	7.0	23		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Anthracene	< 8.6	8.6	29		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 13	13	43		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 6.9	6.9	23		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 6.8	6.8	23		2	ug/Kg	Z	01/18/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 8.6	8.6	29		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 7.4	7.4	25		2	ug/Kg	Z	01/18/06	SW846 3545	8270C-SIM
Chrysene	< 11	11	35		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 6.7	6.7	22		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Fluoranthene	< 7.0	7.0	23		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Fluorene	< 8.3	8.3	28		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 6.1	6.1	20		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Naphthalene	1200	9.7	32		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Phenanthrene	10	7.1	24		2	ug/Kg	Q	01/18/06	SW846 3545	8270C-SIM
Pyrene	< 5.9	5.9	20		2	ug/Kg		01/18/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	87	20	130		2	%		01/18/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	88	30	130		2	%		01/18/06	SW846 3545	8270C-SIM
Terphenyl-d14	129	41	130		2	%		01/18/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-3 2' BGS

Matrix Type : SOIL  
Collection Date : 01/11/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-003

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	48.3				1	%		01/16/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	270000	1000	2500		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	80000	1000	2500		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Benzene	12000	1000	2500		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Bromobenzene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Bromoform	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Bromomethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Chloroethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Chloroform	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Chloromethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Dibromomethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Ethylbenzene	150000	1000	2500		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Isopropylbenzene	9300	1000	2500		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-3 2' BGS

Matrix Type : SOIL  
Collection Date : 01/11/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-003

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Naphthalene	63000	1000	2500		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
N-Heptane	42000	2700	6500		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
n-Propylbenzene	40000	1000	2500		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	5500	1000	2500		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	2700	1000	2500		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Styrene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Toluene	260000	1000	2500		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Trichloroethene	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 500	500	1200		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Xylene, o	230000	1000	2500		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Xylenes, m + p	590000	2100	5000		1000	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	69	64	133		1000	%		01/19/06	SW846 5030B	SW846 8260B
Toluene-d8	68	67	139		1000	%		01/19/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	58	64	140		1000	%	F	01/19/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	10000	130	420		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	21000	130	430		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Acenaphthene	< 120	120	410		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Acenaphthylene	< 120	120	400		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Anthracene	< 150	150	490		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 220	220	730		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 120	120	400		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 120	120	390		20	ug/Kg	Z	01/18/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 150	150	490		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 130	130	420		20	ug/Kg	Z	01/18/06	SW846 3545	8270C-SIM
Chrysene	< 180	180	600		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 110	110	380		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Fluoranthene	< 120	120	400		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Fluorene	< 140	140	470		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 100	100	350		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Naphthalene	23000	170	550		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Phenanthrene	< 120	120	410		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Pyrene	< 100	100	340		20	ug/Kg		01/18/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	0	20	130		20	%	D	01/18/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	0	30	130		20	%	D	01/18/06	SW846 3545	8270C-SIM
Terphenyl-d14	0	41	130		20	%	D	01/18/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-4 2' BGS

Matrix Type : SOIL  
Collection Date : 01/12/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-004

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	92.7				1	%		01/16/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	51000	1300	3200		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	15000	1300	3200		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Benzene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromobenzene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromoform	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromomethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroform	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloromethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dibromomethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Ethylbenzene	16000	1300	3200		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Isopropylbenzene	2100	1300	3200		2500	ug/Kg	Q	01/18/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-4 2' BGS

Matrix Type : SOIL  
Collection Date : 01/12/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-004

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Naphthalene	13000	1300	3200		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Heptane	430000	3500	8400		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
n-Propylbenzene	8000	1300	3200		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	2100	1300	3200		2500	ug/Kg	Q	01/18/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	1600	1300	3200		2500	ug/Kg	Q	01/18/06	SW846 5030B	SW846 8260B
Styrene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Toluene	72000	1300	3200		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Trichloroethene	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 1200	1200	3000		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Xylene, o	29000	1300	3200		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Xylenes, m + p	65000	2700	6500		2500	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	114	64	133		2500	%		01/18/06	SW846 5030B	SW846 8260B
Toluene-d8	127	67	139		2500	%		01/18/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	102	64	140		2500	%		01/18/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	2400	20	68		6.25	ug/Kg		01/18/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	4600	21	70		6.25	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Acenaphthene	58	20	67		6.25	ug/Kg	Q	01/18/06	SW846 3545	8270C-SIM
Acenaphthylene	< 19	19	65		6.25	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Anthracene	< 24	24	80		6.25	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 36	36	120		6.25	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 19	19	64		6.25	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 19	19	63		6.25	ug/Kg	Z	01/18/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 24	24	80		6.25	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 21	21	69		6.25	ug/Kg	Z	01/18/06	SW846 3545	8270C-SIM
Chrysene	< 29	29	98		6.25	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 19	19	62		6.25	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Fluoranthene	< 19	19	65		6.25	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Fluorene	51	23	77		6.25	ug/Kg	Q	01/18/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 17	17	56		6.25	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Naphthalene	2100	27	90		6.25	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Phenanthrene	42	20	66		6.25	ug/Kg	Q	01/18/06	SW846 3545	8270C-SIM
Pyrene	< 17	17	55		6.25	ug/Kg		01/18/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	26	20	130		6.25	%		01/18/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	93	30	130		6.25	%		01/18/06	SW846 3545	8270C-SIM
Terphenyl-d14	101	41	130		6.25	%		01/18/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.

Project Name : ANSUL DEMO

Project Number : 89773.02

Field ID : CS-5 2 1/2' BGS

Matrix Type : SOIL

Collection Date : 01/12/06

Report Date : 01/23/06

Lab Sample Number : 868279-005

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	92.0				1	%		01/16/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	380	27	65		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	330	27	65		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

Client : EARTH TECH, INC.

Project Name : ANSUL DEMO

Project Number : 89773.02

Field ID : CS-5 2 1/2' BGS

Matrix Type : SOIL

Collection Date : 01/12/06

Report Date : 01/23/06

Lab Sample Number : 868279-005

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Heptane	< 65	65	160		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	250	27	65		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	45	27	65		50	ug/Kg	Q	01/18/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Toluene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Xylene, o	58	27	65		50	ug/Kg	Q	01/18/06	SW846 5030B	SW846 8260B
Xylenes, m + p	60	54	130		50	ug/Kg	Q	01/18/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	116	64	133		50	%		01/18/06	SW846 5030B	SW846 8260B
Toluene-d8	117	67	139		50	%		01/18/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	116	64	140		50	%		01/18/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	1900	13	44		4	ug/Kg	N	01/17/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	1200	14	45		4	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Acenaphthene	230	13	43		4	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Acenaphthylene	120	13	42		4	ug/Kg	N	01/17/06	SW846 3545	8270C-SIM
Anthracene	65	15	52		4	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 23	23	77		4	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 12	12	42		4	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 12	12	41		4	ug/Kg	Z	01/17/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 15	15	52		4	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 13	13	44		4	ug/Kg	Z	01/17/06	SW846 3545	8270C-SIM
Chrysene	20	19	63		4	ug/Kg	Q	01/17/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 12	12	40		4	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Fluoranthene	17	13	42		4	ug/Kg	Q	01/17/06	SW846 3545	8270C-SIM
Fluorene	350	15	49		4	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 11	11	36		4	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Naphthalene	52	17	58		4	ug/Kg	Q	01/17/06	SW846 3545	8270C-SIM
Phenanthrene	1100	13	43		4	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Pyrene	130	11	36		4	ug/Kg		01/17/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	52	20	130		4	%		01/17/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	81	30	130		4	%		01/17/06	SW846 3545	8270C-SIM
Terphenyl-d14	96	41	130		4	%		01/17/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-6 3' BGS

Matrix Type : SOIL  
Collection Date : 01/12/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-006

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	92.5				1	%		01/16/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.



**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-6 3' BGS

Matrix Type : SOIL  
Collection Date : 01/12/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-006

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Heptane	< 65	65	160		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Toluene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	118	64	133		50	%		01/18/06	SW846 5030B	SW846 8260B
Toluene-d8	117	67	139		50	%		01/18/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	116	64	140		50	%		01/18/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	15	3.3	11		1	ug/Kg	B	01/17/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	20	3.4	11		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.2	3.2	11		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.1	3.1	10		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Anthracene	< 3.8	3.8	13		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 5.7	5.7	19		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.1	3.1	10		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 3.0	3.0	10		1	ug/Kg	Z	01/17/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 3.8	3.8	13		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.3	3.3	11		1	ug/Kg	Z	01/17/06	SW846 3545	8270C-SIM
Chrysene	< 4.7	4.7	16		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 3.0	3.0	9.9		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Fluoranthene	4.1	3.1	10		1	ug/Kg	Q	01/17/06	SW846 3545	8270C-SIM
Fluorene	< 3.7	3.7	12		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.7	2.7	9.1		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Naphthalene	5.1	4.3	14		1	ug/Kg	Q	01/17/06	SW846 3545	8270C-SIM
Phenanthrene	13	3.2	11		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Pyrene	11	2.7	8.8		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	61	20	130		1	%		01/17/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	45	30	130		1	%		01/17/06	SW846 3545	8270C-SIM
Terphenyl-d14	82	41	130		1	%		01/17/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-7 2 1/2' BGS

Matrix Type : SOIL  
Collection Date : 01/12/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-007

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	93.3				1	%		01/16/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	1100	27	64		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	640	27	64		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Ethylbenzene	40	27	64		50	ug/Kg	Q	01/18/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-7 2 1/2' BGS

Matrix Type : SOIL  
Collection Date : 01/12/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-007

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Naphthalene	460	27	64		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Heptane	340	70	170		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
n-Propylbenzene	36	27	64		50	ug/Kg	Q	01/18/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Toluene	79	27	64		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Xylene, o	420	27	64		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Xylenes, m + p	770	54	130		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	125	64	133		50	%		01/18/06	SW846 5030B	SW846 8260B
Toluene-d8	122	67	139		50	%		01/18/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	118	64	140		50	%		01/18/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	260	3.2	11		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	400	3.4	11		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Acenaphthene	3.4	3.2	11		1	ug/Kg	Q	01/17/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.1	3.1	10		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Anthracene	< 3.8	3.8	13		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 5.7	5.7	19		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.1	3.1	10		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 3.0	3.0	10		1	ug/Kg	Z	01/17/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 3.8	3.8	13		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.3	3.3	11		1	ug/Kg	Z	01/17/06	SW846 3545	8270C-SIM
Chrysene	< 4.7	4.7	16		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 3.0	3.0	9.8		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Fluoranthene	3.9	3.1	10		1	ug/Kg	Q	01/17/06	SW846 3545	8270C-SIM
Fluorene	5.9	3.7	12		1	ug/Kg	Q	01/17/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.7	2.7	9.0		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Naphthalene	42	4.3	14		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Phenanthrene	23	3.2	11		1	ug/Kg		01/17/06	SW846 3545	8270C-SIM
Pyrene	5.3	2.6	8.8		1	ug/Kg	Q	01/17/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	64	20	130		1	%		01/17/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	31	30	130		1	%		01/17/06	SW846 3545	8270C-SIM
Terphenyl-d14	85	41	130		1	%		01/17/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-8 3' BGS

Matrix Type : SOIL  
Collection Date : 01/12/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-008

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	92.4				1	%		01/16/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-8 3' BGS

Matrix Type : SOIL  
Collection Date : 01/12/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-008

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
N-Heptane	850	70	170		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Styrene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Toluene	350	27	65		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Trichloroethene	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/Kg		01/18/06	SW846 5030B	SW846 8260B
Surrogate		LCL	UCL							
4-Bromofluorobenzene	115	64	133		50	%		01/18/06	SW846 5030B	SW846 8260B
Toluene-d8	116	67	139		50	%		01/18/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	115	64	140		50	%		01/18/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 3.3	3.3	11		1	ug/Kg		01/18/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	3.6	3.4	11		1	ug/Kg	Q	01/18/06	SW846 3545	8270C-SIM
Acenaphthene	< 3.2	3.2	11		1	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Acenaphthylene	< 3.1	3.1	10		1	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Anthracene	< 3.9	3.9	13		1	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 5.7	5.7	19		1	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 3.1	3.1	10		1	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	4.4	3.0	10		1	ug/Kg	QZ	01/18/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 3.9	3.9	13		1	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 3.3	3.3	11		1	ug/Kg	Z	01/18/06	SW846 3545	8270C-SIM
Chrysene	< 4.7	4.7	16		1	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 3.0	3.0	9.9		1	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Fluoranthene	4.2	3.1	10		1	ug/Kg	Q	01/18/06	SW846 3545	8270C-SIM
Fluorene	< 3.7	3.7	12		1	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 2.7	2.7	9.1		1	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Naphthalene	< 4.3	4.3	14		1	ug/Kg		01/18/06	SW846 3545	8270C-SIM
Phenanthrene	5.0	3.2	11		1	ug/Kg	Q	01/18/06	SW846 3545	8270C-SIM
Pyrene	6.7	2.7	8.8		1	ug/Kg	Q	01/18/06	SW846 3545	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	62	20	130		1	%		01/18/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	66	30	130		1	%		01/18/06	SW846 3545	8270C-SIM
Terphenyl-d14	89	41	130		1	%		01/18/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-9 2 1/2' BGS

Matrix Type : SOIL  
Collection Date : 01/13/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-009

**INORGANICS**

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	92.2				1	%		01/16/06	SM M2540G	SM M2540G

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	36000	5400	13000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	11000	5400	13000		1E+0	ug/Kg	Q	01/19/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Benzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Bromobenzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Bromoform	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Bromomethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Chloroethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Chloroform	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Chloromethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Dibromomethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

**Analytical Report Number: 868279**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436

Client : EARTH TECH, INC.  
Project Name : ANSUL DEMO  
Project Number : 89773.02  
Field ID : CS-9 2 1/2' BGS

Matrix Type : SOIL  
Collection Date : 01/13/06  
Report Date : 01/23/06  
Lab Sample Number : 868279-009

**VOLATILES - SPECIAL LIST**

Prep Date: 01/17/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methylene Chloride	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Naphthalene	21000	5400	13000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
N-Butylbenzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
N-Heptane	1.4E+6	14000	34000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Styrene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Toluene	150000	5400	13000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Trichloroethene	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 5000	5000	12000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Xylene, o	20000	5400	13000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
Xylenes, m + p	60000	11000	26000		1E+0	ug/Kg		01/19/06	SW846 5030B	SW846 8260B
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
4-Bromofluorobenzene	0.0	64	133		1E+0	%	D	01/19/06	SW846 5030B	SW846 8260B
Toluene-d8	0.0	67	139		1E+0	%	D	01/19/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	0.0	64	140		1E+0	%	D	01/19/06	SW846 5030B	SW846 8260B

**PAH/PNA**

Prep Date: 01/18/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	2200	26	87		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
2-Methylnaphthalene	4000	27	90		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Acenaphthene	< 26	26	86		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Acenaphthylene	< 25	25	83		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Anthracene	< 31	31	100		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 46	46	150		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 25	25	83		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 24	24	81		8	ug/Kg	Z	01/20/06	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 31	31	100		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 27	27	88		8	ug/Kg	Z	01/20/06	SW846 3545	8270C-SIM
Chrysene	< 38	38	130		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Dibenz(a,h)anthracene	< 24	24	80		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Fluoranthene	< 25	25	83		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Fluorene	< 30	30	99		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 22	22	73		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Naphthalene	3000	35	120		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Phenanthrene	< 26	26	85		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
Pyrene	< 21	21	71		8	ug/Kg		01/20/06	SW846 3545	8270C-SIM
<b>Surrogate</b>		<b>LCL</b>	<b>UCL</b>							
Nitrobenzene-d5	84	20	130		8	%		01/20/06	SW846 3545	8270C-SIM
2-Fluorobiphenyl	94	30	130		8	%		01/20/06	SW846 3545	8270C-SIM
Terphenyl-d14	126	41	130		8	%		01/20/06	SW846 3545	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

**Pace Analytical  
Services, Inc.**

1241 Bellevue Street  
Green Bay, WI 54302  
920-469-2436  
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
868279-001	SPECVOA-S-ME	CS-1 2' BGS	F - Surrogate was above control criteria. This was confirmed by a second analysis on 01/19/2006.
868279-003	SPECVOA-S-ME	CS-3 2' BGS	F - Surrogate was below control criteria. This was confirmed by a second analysis on 01/20/2006.
868279-006	PAH+-S	CS-6 3' BGS	b - Analyte present in blank at 3.77 ug/Kg.



## Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Test Group Name	868279-001	868279-002	868279-003	868279-004	868279-005	868279-006	868279-007	868279-008	868279-009
PAH/PNA	B	B	B	B	B	B	B	B	B
PERCENT SOLIDS	B	B	B	B	B	B	B	B	B
VOLATILES - SPECIAL LIST	G	G	G	G	G	G	G	G	G

Code	Facility	Address	WI Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	405132750 / DATCP: 105-444
G	Green Bay Lab (Industrial Dr)	1795 Industrial Drive Green Bay, WI 54302	405132750



**Sample Condition Upon Receipt**

Client Name: Earth Tech Project # 868279

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used NA Type of Ice:  Wet  Blue  None  Samples on ice, cooling process has begun

Cooler Temperature 20.5 Biological Tissue Is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 1-13-06 AB  
u/1/13/06

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: SB/1/13/06 Date: \_\_\_\_\_

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)



# CHAIN-OF-CUSTODY / Analytical Request Document 14

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of  
**0990784**

**Section A**  
Required Client Information:  
Company: **Earth Tech**  
Address: **1020 N. Broadway**  
**MILWAUKEE, WI 53202**  
Email To: **DAVE.HENDERSON@EARTHTECH.COM**  
Phone: **414-225-1681** Fax: **414-225**  
Requested Due Date/TAT: **5/11**

**Section B**  
Required Project Information:  
Report To: **DAVE HENDERSON**  
Copy To:  
Purchase Order No.:  
Project Name: **ANUL DEMO**  
Project Number: **89773.02**

**Section C**  
Invoice Information:  
Attention:  
Company Name: **SAME**  
Address:  
Pace Quote Reference:  
Pace Project Manager:  
Pace Profile #:

**REGULATORY AGENCY**

NPDES       GROUND WATER       DRINKING WATER  
 UST             RCRA                                   Other \_\_\_\_\_

**SITE LOCATION**

GA     IL     IN     MI     MN     NC  
 OH     SC     WI     OTHER \_\_\_\_\_

ITEM #	Section D Required Client Information <b>SAMPLE ID</b> <small>One Character per box. (A-Z, 0-91.-) Samples IDs MUST BE UNIQUE</small>		Valid Matrix Codes				MATRIX CODE	SAMPLE TYPE <small>G=GRAB C=COMP</small>	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Filtered (Y/N) Requested Analysis: <i>JULIA HENDERSON / PAH</i>	Residual Chlorine (Y/N) <b>868279</b> Pace Project Number Lab I.D.											
			MATRIX		CODE				COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol			Other										
			DRINKING WATER	DW	WATER	WT			DATE	TIME	DATE	TIME																						
			WASTE WATER	WW	PRODUCT	P			SOIL/SOLID	SL	OL	WP			AR	OT	TS																	
2	CS-1	2' BGS		001	SLG			1-10	1000	32	2	X									X	X												
	CS-2	3' BGS		002	SLG			1-11	9:00	35	2	X										X	X											
	CS-3	2' BGS		003	SLG			1-11	1500	35	2	X										X	X											
	CS-4	2' BGS		004	SLG			1-12	845	31	2	X										X	X											
5	CS-5	2 1/2' BGS		005	SLG			↓	930	31	2	X										X	X											
6	CS-6	3' BGS		006	SLG			↓	950	31	2	X										X	X											
8	CS-7	2 1/2' BGS		007	SLG			1-12	1300	40	2	X										X	X											
	CS-8	3' BGS		008	SLG			1-12	1630	40	2	X										X	X											
	CS-9	2 1/2' BGS		009	SLG			1-13	830	34	2	X										X	X											
10																																		
11																																		
12																																		

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION				
<i>PAT McCANNY</i>	<i>1/13</i>	<i>1535</i>	<i>J. Williams</i>	<i>4/13/12</i>	<i>15:35</i>	<i>NOT</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>
							Y/N	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N	Y/N

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL \_\_\_\_\_

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER:  
*PAT McCANNY*  
SIGNATURE OF SAMPLER:  
*Pat McC...*

DATE signed: *11/13/12* (MM/DD/YY)

Temp in °C  
Received on Ice  
Custody Sealed Cooler  
Samples Intact