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Pewaukee Road, Unit D
Pewaukee, WI 53072
(262) 523-2040
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www.ensr.com

RECEIVED
NOV 15 2004

November 10, 2004

Ms. Margaret Brunette
Hydrogeologist
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee WI 53212-3196

Re: Site Investigation and Remedial Options Report
Former Bostik Findley, Inc. Facility
2930 West Center Street
Milwaukee, Wisconsin
WDNR File Ref. #: 03-41-005301

Dear Margaret:

ENSR Corporation (ENSR) has prepared the attached Site Investigation and Remedial Options Report (SI/RO Report) for the former Bostik Findley, Inc. Facility at 2930 West Center Street in Milwaukee for your review. This SI/RO Report was prepared in accordance with applicable sections of Wisconsin Administrative Code. As discussed in telephone conversations with Ms. Gina Keenan, this SI/RO Report includes investigation activities mandated to meet the requirements of the Wisconsin Voluntary Party Liability Exemption (VPLE) Program.

For your information (and as per your conversations with Mr. Bruce Keyes of Foley and Lardner), we plan on submitting a Case Summary and Close-Out Request for the property in the very near future.

If you have any questions, or require additional information, please contact either of us at your convenience.

Sincerely,

ENSR Corporation

William C. Looney
Senior Program Manager

Kristine M. Casper, P.G.
Program Manager

cc: Mr. Bruce Keyes, Esq., Foley & Lardner
Mr. Geoff Pyka, Bostik Findley, Inc.

Enclosures: as

Bostik Findley, Inc.
c/o Foley & Lardner
777 East Wisconsin Avenue
Milwaukee, Wisconsin

Site Investigation and Remedial Action Options Report
Former Bostik Findley, Inc. Facility
2930 West Center Street
Milwaukee, Wisconsin
BRRTS #03-41-00530

ENSR Corporation
November 2004
Project Number 00963023

Letter of Transmittal

To: Program Assistant
Remediation & Redevelopment Program
Wisconsin Dept. of Natural Resources
2300 North Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212

Please check the type(s) of documents you have enclosed. Submittals will be tracked and filed based on the information you provide. **Include the FID *and* BRRTS numbers that have been assigned to this site, and identify the intent of the document(s) you are submitting in order to speed processing.** Please attach any required fees to this checklist.

From:

Company Name	ENSR Corp.
	William C. Looney
Address	W239 N2890 Pewaukee Road, Unit D
	Pewaukee, WI 53072
Phone	262-523-2040 ext 222
Date	11/10/2004
Site Name	Former Bostik Findley, Inc. Facility
Site Address	2930 West Center Street
	Milwaukee, Wisconsin
FID#	241024740
BRRTS#	03-41-005301

IS THIS RELEASE PECFA-ELIGIBLE?
__ YES x NO __ UNKNOWN AT THIS TIME

Type of Submittal:
__ LUST __ ERP x VPLE __ Other _____

CHECK	TYPE OF DOCUMENT/REPORT	FEE	DNR CODE (office use only)
	Notification of Release	none	01
	Tank Closure/Site Assessment *where release(s) have been detected**	none	33
	Site Investigation Workplan	$500 if review is requested~	35, 135~
	Site Investigation Report **Please Provide the Following Information** __ petroleum constituents detected __ non-petroleum constituents detected __ groundwater impacts __ above PAL __ above ES __ free product __ contamination in fractured bedrock or within one meter of fractured bedrock __ PAL exceedence in potable well __ groundwater imapcts>ES, within __ 100' of private well or __ 1000' of public well	$750 if review is requested~	37, 137~ 96~ (if SI is incomplete)
	Request to Transfer Case to Department of Commerce	none	76
	Off-Site Determination Request	$500 mandatory	638
	Remedial Action Options Plan	$750 if review is requested~	39, 143~
	NR 720.19 Site Specific Clean-Up Goal Proposal	$750 if review is requested~	67, 68~
	NR 718 Landspreading Request	$500 mandatory	61~
	Copy of Notification to Treat of Dispose of Contaminated Soil or Water	none	99
	Injection/Infiltration Request	$500 mandatory	63
	Quarterly Report or Update	$500 if review is requested~	43~
	O&M Form 4400-194	$300 if review is requested~	92, 192~
	Remedial Action Options Report	$750 if review is requested~	41, 41~
	Closure Review Request	$750 mandatory	79
	Closure form (Mandatory for Review)		
	GIS Registry groundwater >ES	$250 mandatory	700
	Request for No Further Action Letter, under ch. NR 708	$250 mandatory	68, 67~
	Copy of Draft Deed Affidavit, Well Abandonment Form Restriction	none	99
	Simple Site Process Submittal, under NR 700.11	none	90~
	Remedial Design Report	$750 if review is requested~	147, 148~
	Construction Documentation Reports	$250 if review is requested~	151, 152~
	Long-Term Monitoring Plan	$300 if review is requested~	24, 25~
	Voluntary Party Liability Exemption (VPLE) Application	$250 mandatory	662~
x	VPLE Phase I/II Assessments or Additional Reports	Computed hourly	99
	Tax Cancellation Agreement	$500 mandatory	654~
	Negotiated Agreement	$1000 mandatory	630~
	Lender Assessment	$500 mandatory	686~
	Negotiation and Cost Recovery (municipalities only)	Fee for each service - mandatory	90~
	General Liability Clarification Request	$500 mandatory	684
	Lease Letter Request - Single Property	$500 mandatory	646
	Lease Letter Request - Multiple Properties	$1000 mandatory	646
	Request for Other Technical Assistance	$500 mandatory	97~
	Other (please describe) _____		

- Clossure reports for sites where no releases have been detected should be sent to "Clean Closures" c/o DNR Remediation & Redevelopment Program, P.O. Box 7921, Madison, WI 53707

Remarks: Site Investigation and Remedial Options Report

KS

Bostik Findley, Inc.
c/o Foley & Lardner
777 East Wisconsin Avenue
Milwaukee, Wisconsin

Site Investigation and Remedial Action Options Report
Former Bostik Findley, Inc. Facility
2930 West Center Street
Milwaukee, Wisconsin
BRRTS #03-41-00530

Prepared By William C. Looney
Senior Program Manager

Reviewed By Kristine M. Casper, P.G.
Program Manager

ENSR Corporation
November 2004
Project Number 00963023

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Former Bostik Findley, Inc. Facility
2930 WEST CENTER STREET
MILWAUKEE, WISCONSIN

Site Investigation and Remedial Action Options Report
WDNR BRRTS #03-41-00530

November 2004

CERTIFICATION - PROFESSIONAL GEOLOGIST/HYDROGEOLOGIST

I, Kristine M. Casper, hereby certify that I am a hydrogeologist as that term is defined in Ch. NR 712.03 (1), WAC and a registered professional geologist in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, WAC; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, WAC; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, WAC.

REPORT:	27 pages
TABLES:	1 pages
FIGURES:	5 pages
ATTACHMENTS:	73 pages

Kristine M. Casper - Program Mgr. — 11/8/04

Signature and Title — Date

WISCONSIN PROFESSIONAL GEOLOGIST
KRISTINE M. CASPER G-256 MILWAUKEE, WI

Seal

Former Bostik Findley, Inc. Facility
2930 WEST CENTER STREET
MILWAUKEE, WISCONSIN

Site Investigation and Remedial Action Options Report
WDNR BRRTS #03-41-00530

November 2004

CERTIFICATION - ENVIRONMENTAL SCIENTIST

I, William C. Looney, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

REPORT:	27 pages
TABLES:	1 pages
FIGURES:	5 pages
ATTACHMENTS:	73 pages

William C. Looney, SR. PROGRAM MANAGER — 11/8/04
Signature and Title — Date

1.0 EXECUTIVE SUMMARY

ENSR was retained by Bostik Findley, Inc. (Bostik) to conduct a focused site investigation to complete the definition of the extent of impacts that were identified during previous investigations at the Bostik property, located at 2930 West Center Street in Milwaukee, Wisconsin (Site). Additionally, ENSR was to provide assistance in developing a strategy and move the Site toward closure.

On March 25, 2004, representatives of Bostik, Foley & Lardner LLP and ENSR met with Wisconsin Department of Natural Resources (WDNR) representatives to discuss concerns regarding potential impacts to soils underlying the building in the former print shop area and in the process areas of the Site. As agreed in this and subsequent meetings, additional investigation activities were performed to address WDNR concerns and to close the Site through the Voluntary Party Liability Exemption (VPLE) program.

The Site consists of three adjoining parcels. Buildings constructed on the parcels are interconnected. The first parcel contains the main facility and a covered parking area ("Main Parcel"). The second parcel contains a warehouse building with an outdoor dock and storage area ("Dock Parcel"). The third parcel, located between the first and second parcels, contains a two story leased building. The property is almost entirely covered (>98%) by the buildings and paved areas.

The area in the vicinity of the Site is heavily developed and contains a number of residential, commercial and industrial properties. The Site and the vicinity are serviced by public electrical and natural gas utilities and the municipal sewage system. Potable water is provided to the area by the City of Milwaukee and the groundwater yields from the shallow groundwater aquifer in the vicinity of the Site are insufficient for domestic or industrial use. No surface-water features to which groundwater discharges exist in the Site area. Therefore, risks associated with potentially-impacted groundwater are minimal.

Soils encountered at the Site typically consist of silty clay and clays with discontinuous sand and gravel seams to at least the termination depths of the borings (33 feet below ground surface [bgs]). These are predominantly low-permeability soils.

Based on the analytical results obtained during this and prior site investigations, shallow soil at the Site is impacted, primarily with chlorinated volatile organic compounds (VOCs). The highest concentrations are found in the Main Parcel in the vicinity of boring GP-4 drilled/sampled in June 1996 and in the vicinity of the former USTs removed in November 1995. Impacts are shown to decrease significantly with depth. The boundaries of soil impacts are reasonably defined and confined to the Site beneath the building foundation or paved parking areas. Based on the soil investigation data, there are no indications that groundwater has been impacted.

A conceptual site model was developed to provide an understanding of contaminant release and transport mechanisms, exposure pathways and receptors. Potential exposure pathways include direct contact with impacted soils, ingestion of impacted soils, inhalation of impacted fugitive dust and inhalation of volatilized contaminants from impacted soil. Note that groundwater pathways (inhalation of volatilized contaminants from impacted groundwater and surface water and ingestion of impacted groundwater) are not viable pathways, as the groundwater is not impacted. As the Site currently exists, none of these potential exposure pathways are completed, and the current conditions are protective of human health and the environment. However, implementation of a remedial strategy to ensure that conditions remain protective is required.

To develop a remedial strategy, remedial technologies potentially-applicable to the Site conditions were screened. The alternatives were subjected to an evaluation and grouped into potential remedial options. The options were then evaluated and an option consisting of Institutional Controls (*i.e.*, listing the Site on the WDNR Geographic Information System (GIS) Registry, filing deed restrictions controlling the development of the Site, maintaining the existing access restrictions) and Containment (using the existing building and paved areas as a barrier to prevent direct contact and control precipitation infiltration) was selected for recommended implementation at the Site. This option is protective of human health and environment.

Following approval of the closure strategy by the WDNR and implementation of the remedial option, Bostik will continue to work with the Redevelopment Authority of the City of Milwaukee and the 30th Street Industrial Corridor Corporation to determine an appropriate future use for the land, consistent with all closure requirements.

2.0 INTRODUCTION

ENSR was retained by Bostik Findley, Inc. (Bostik) to conduct a focused site investigation to complete the definition of the extent of impacts in the soil and groundwater that were identified during previous investigations at the Bostik property, located at 2930 West Center Street in Milwaukee, Wisconsin (Site, Figure 1). Additionally, ENSR was to provide assistance in developing a strategy to move the Site toward closure.

Presented in this report is background information regarding previous investigations at the Site, the results of ENSR's site investigation at the Site as required by Wisconsin Administrative Code (WAC) chapter NR 716, and an evaluation of remedial options for the Site.

2.1 Site Location and Ownership

The Site is located at 2930 West Center Street in Milwaukee, Milwaukee County, Wisconsin. The Site occupies a portion of the northeast quarter of the southeast quarter of Section 13, Township 7 North and Range 21 East (NE ¼, SE ¼ of Sec. 13, T7N, R21E). The Site location is depicted on Figure 1.

Bostik Findley, Incorporated of Milwaukee, Wisconsin, is the Site owner. The contact is:

Bostik Findley, Inc.
c/o Mr. Bruce A. Keyes, Esq.
Foley & Lardner, LLP
777 East Wisconsin Avenue
Milwaukee, WI 53202
(414) 297-5881

2.2 Consultant and Contractor Identification

The site investigation activities reported herein were performed by:

ENSR Corporation
Attn: Mr. William Looney
W239 N2890 Pewaukee Road, Unit D
Pewaukee, WI 53702
(262) 523-2040 ext, 222– phone
(262) 523-2059 – fax

ENSR employees Richard Mazurkiewicz, Senior Staff Geologist, and Monica Lyons, Staff Scientist, provided oversight of the soil borings and collected soil samples. Kristine Casper, P.G., provided technical direction and oversight of investigation activities and data evaluation and interpretation. Mr. William Looney served as the project manager, directed all field and office activities and coordinated with the client and WDNR.

As part of the site investigation, ENSR retained the services of the following subcontractors:

Drilling

On-Site Environmental Services.
3701 Token Road
DeForest, Wisconsin 53532
(608) 837-8992

Soils and Engineering Services, Inc.
1102 Stewart Street
Madison, WI 53713
608-274-7600

Laboratory Analytical Services

Test America, Inc.
602 Commerce Drive
Watertown, WI 53094
800-833-7036

2.3 Background

The Site consists of three adjoining parcels. Buildings constructed on the parcels are interconnected. The first parcel, containing the main facility and a covered parking area, occupies approximately 39,000 square feet ("Main Parcel"). The second parcel contains a warehouse building with an outdoor dock comprising approximately 6,000 square feet and storage area of approximately 16,000 square feet ("Dock Parcel"). The third parcel, located between the first and second parcels, contains a two story leased building of approximately 4,800 square feet of floor space with a footprint of approximately 3,700 square feet ("Middle Parcel"). The Middle Parcel is currently leased, but will be conveyed to Bostik shortly, and combined with the other two parcels to create one property. A Site Layout Map is included as Figure 2.

A creamery operated on the Main Parcel from the late 1800s or early 1900s until the 1960s, when Findley Adhesives (predecessor of Bostik) began operations. A laundry reportedly operated on the Middle Parcel from the 1930s until the 1960s, then a printing company operated on the Middle

Parcel from the 1960s until the mid-1990s. Available information indicated that several residential structures (some of which may have been used as a tavern, real estate office or insurance office) were located on the Dock Parcel from the 1930's until about 1998 when the dock and warehouse were constructed.

The area in the vicinity of the Site is heavily developed and contains a number of residential, commercial and industrial properties. The Site and the vicinity is serviced by public electrical and natural gas utilities and the municipal sewage system. Potable water is provided to the area by the City of Milwaukee. Groundwater yields from the shallow groundwater aquifer in the area of the Site are insufficient for domestic or industrial use. No surface-water features to which groundwater discharges exist in the Site area. Therefore, risks associated with potentially-impacted groundwater are minimal.

Bostik utilized the Site to manufacture hot melt adhesives until suspension of operations in July 2003. The manufacturing process included combining wax, resins and polymers in mixing vessels at elevated temperatures. The finished product was stored at the Site and shipped to customers. The Site is currently closed and the hot melt process equipment has been removed from the Site. Limited quantities of solvents were used on-site for clean-up. Bostik did not produce solvent-based adhesives at the Site.

2.4 Previous Work

Several environmental-related activities have been accomplished at the Site. GZA GeoEnvironmental, Inc. (GZA) completed a *"Phase I Environmental Site Assessment Report,"* for the Site, dated September 3, 2003. The GZA report identified the soil impacts discovered during the 1995 underground storage tank (UST) removal performed by Swanson Environmental, Inc. (Swanson) and associated historical use of chemicals at the Site as recognized environmental conditions (RECs). Also identified as a REC was a small area (approximately one foot by one foot) of soil stained with what appeared to be hardened fuel oil or similar petroleum product located directly below a fill pipe for a former UST on the northwest portion of the Site.

A Site map identifying the Site features and processes that are recognized as possible sources for hazardous substance discharges is included as Figure 3. Included as Figure 4 is a Site map depicting the location and analytical results related to the previous investigation and remedial activities described below:

Main Parcel

CBC Environmental Services (CBC) supervised the removal of one, 8,000-gallon mineral oil UST at the Site in October 1990. Soil samples collected during the

removal were analyzed for Total Petroleum Hydrocarbons (TPH). No TPH was detected in any sample.

In November 1995, Braun Intertec Corporation (Braun) performed an investigation of two out-of-service sumps located in the sub-basement under the main facility. Both concrete sumps (crocks) are approximately four-feet in diameter and extend approximately seven feet beneath the sub-basement floor. The crocks are connected by a three-inch diameter pipe. Reportedly, liquid from floor cleaning was collected in floor drains in the main facility and transferred via gravity flow through pipes to the easternmost crock. Overflow from the easternmost crock was transferred through the connecting pipe to the westernmost crock. Overflow from the westernmost crock was connected to another smaller-diameter concrete catch basin located west of the westernmost crock. This catch basin discharged to the sanitary sewer.

At the time of the 1995 inspection, the bottom of both crocks contained sludge. The sludge was removed (eight, 55-gallon drums) and the interior of the crocks pressure washed. The sludge was subsequently classified as a hazardous waste due to the presence of tetrachloroethylene (PCE) above the characteristic hazardous waste limits and was properly transported and disposed.

After sludge removal and cleaning, the crocks were taken out of service by sealing the pipes with concrete plugs. The use of chlorinated solvents was terminated prior to decommissioning the crocks in 1995. There is no visible evidence of cracks or damage to the interior of the crocks. As the crocks were found to be intact, this was not considered a REC.

In November 1995, impacts to the subsurface soils were noted by Swanson during removal of two, 300-gallon USTs; one was a gasoline UST and the other was a diesel fuel UST. The USTs had been installed under the Main Parcel floor by the creamery prior to 1956. Bostik was subsequently notified of the results and the release was reported to the WDNR in December 1995. In January 1996, Swanson removed and disposed of approximately 39 tons of impacted soil. Concerns of damage to the building limited the excavation.

Following the tank and soil removal, further investigation beneath the Main Parcel floor revealed soil impacts of petroleum constituents such as gasoline range organics (GRO), diesel range organics (DRO), benzene, ethylbenzene, toluene, xylenes, naphthalene and various chlorinated VOCs, such as PCE, trichloroethylene (TCE),

and methylene chloride. Several of these constituents exceeded the WAC NR 720 generic soil clean-up criteria.

Modeling of both the direct-contact hazard of the constituents and the potential for the constituents to impact groundwater was completed. The results indicated that none of the constituents are expected to pose a threat to human health from direct contact or are expected to impact groundwater.

At the request of WDNR, additional investigation activities to further define the extent of impacts of chlorinated VOCs to the subsurface were conducted and the results submitted to WDNR. In June 1997, a "conditional no further action" letter was issued by WDNR requiring a deed restriction. This restriction would include the provisions that "any future subsurface work on this property shall include an investigation of the degree and extent of PCE contamination" and further that "the contamination shall be properly treated or disposed in accordance with applicable law". A deed restriction or GIS registration has not yet been filed.

Middle Parcel

No intensive investigative activities had been conducted prior to this investigation.

Dock Parcel

In March 1998, Braun removed one, 550-gallon fuel oil UST from the Dock Parcel (likely a heating oil UST associated with a former residence). Soil samples obtained from beneath the UST were analyzed for DRO and no detections were reported. A "clean" UST closure report was filed with the WDNR.

Detailed background information and site remediation/investigation activities are summarized in the following reports:

- *"A Report of an Underground Storage Tank Soil Assessment at Findley Adhesives, Milwaukee, Wisconsin,"* CBC Environmental Services (CBC), January 14, 1991,
- *"Report on Underground Storage Tank Removal, Site Investigation and Closure, Findley Adhesives, Inc., 2930 West Center Street, Milwaukee, Wisconsin,"* Swanson Environmental, Inc. (Swanson), March 25, 1996,
- Letter to Mr. Charles Krohn, Wisconsin Department of Natural Resources (WDNR) from Mr. Wayne R. Hutchinson, Braun Intertec (Braun), *"RE: Results of Geoprobe Investigation for Chlorinated Hydrocarbons – Findley Adhesives (30th and West Center),* August 26, 1996,

- *"Sump Investigation Report,"* Braun, November 1996,

- Letter to Mr. Charles Krohn, WDNR from Mr. Wayne R. Hutchinson, Braun, *(No Subject Indicated,)* December 16, 1996,

- Letter to Ms. Kim Dabertin, Findley Adhesives, Inc. from Ms. Gina Keenan, Wisconsin Department of Natural Resources Subject: *Request for Closure, Findley Adhesives, Inc., 2930 Center Street, Milwaukee, Wisconsin. BRR-ERP FID # 241024740 BRRT # 04-41-000530,* February 27, 1997,

- Letter to Ms. Kim Dabertin, Findley Adhesives, Inc. from Ms. Gina Keenan, Wisconsin Department of Natural Resources Subject: *Request for Closure, Findley Adhesives, Inc., 2930 Center Street, Milwaukee, Wisconsin. BRR-ERP FID # 241024740 BRRT # 04-41-000530,* June 11, 1997,

- *"Phase I Environmental Site Assessment, Six Properties on N. 29th Street and W. Center Street, Milwaukee, Wisconsin,"* STS Consultants, Ltd. (STS), June 24, 1997,

- *"Phase II Investigation Report at the Properties on North 29th Street and West Center Street in Milwaukee, Wisconsin,"* STS, August 25, 1997,

- *"Addendum to the Phase II Investigation Report at the Properties on North 29th Street and West Center Street in Milwaukee, Wisconsin,"* STS, August 28, 1997,

- *"Tank Closure Report, ATO Findley, Inc. Center Street Facility, 2930 West Center Street, Milwaukee, Wisconsin,"* Braun, April 1, 1998,

- "*Phase I Environmental Site Assessment Report*", GZA GeoEnvironmental, Inc. (GZA) September 3, 2003, and

- "*Site Investigation Work Plan,*" ENSR, June 2, 2004.

Additional reports may be on file with the WDNR.

On March 25, 2004, representatives of Bostik, Foley & Lardner, LLP and ENSR met with WDNR representatives, Ms. Gina Keenan and Ms. Margaret Brunette, to discuss concerns regarding potential impacts to soils underlying the building in the former print shop area and in the process areas of the Site. As agreed in this and subsequent meetings, additional investigation activities were performed to address WDNR concerns and to close the Site through the VPLE program.

3.0 SITE INVESTIGATION METHODS

This site investigation was performed to fill remaining data gaps and complete the definition of the degree and extent of impacts to the soil and groundwater at the Site, such that the potential risks to human health and the environment could be adequately assessed and a closure strategy could be developed. The site investigation was conducted in accordance with WAC ch. NR 716 and as described in ENSR's June 2004, *Site Investigation Work Plan,* which was submitted to the WDNR. ENSR's standard operating procedures for conducting site investigations are included in Appendix A.

The investigation was conducted in two phases. During the initial investigation phase, soil borings were drilled and sampled to address WDNR concerns regarding potential impacts to the soils underlying the Middle Parcel in the historical print shop and laundry area and underlying the Main Parcel in the manufacturing process areas. Additionally, to address the REC identified in GZA's September 2003, *"Phase I Environmental Site Assessment Report"* associated with soil staining directly below a fill pipe for a former UST on the northwest portion of the Site, a shallow subsurface sample was obtained from this area. Locations where closure or conditional closures have been granted in association with various tank removals were not included in this investigation.

Based on review of the data collected during the initial investigation phase and discussions with WDNR representatives, a subsequent investigation phase was conducted. The subsequent investigation phase consisted of drilling/sampling two additional soil borings to evaluate the vertical extent of impacts inside the building in the vicinity of boring GP-4 (drilled in June 1996) and in the vicinity of the former location of two, 300-gallon USTs removed in November 1995.

3.1 Initial Investigation Phase

3.1.1 Soil Borings

On June 15, 2004, a total of six soil probe borings were advanced and sampled using Geoprobe® direct-push technology. Five of the borings (GP-1 through GP-5) were advanced to depths of 16 feet bgs. The remaining boring sample (shallow sample, GP-6) was obtained from stained soil below a former fill pipe located on the building exterior on the northwest portion of the Site. After sampling, soil-probe borings were abandoned by filling each soil-probe hole either to the surface or to the near surface with cuttings and granular bentonite, then topping off with a concrete patch or soil, as appropriate. Locations of the borings are shown on Figure 4. Soil boring logs and borehole abandonment forms are provided in Appendix B.

3.1.2 Sampling and Analysis

3.1.2.1 Soil Boring Samples

Soil samples collected from each sampling interval were split for field screening and laboratory analysis. The remaining sample from each interval was subsequently classified in the field, noting soil types, moisture, and observable staining or odors. The soil samples were field-screened for total VOCs using a photoionization detector (PID) equipped with a 10.6 electron volt electrodeless discharge lamp that was calibrated using 100 parts per million (ppm) isobutylene in air span gas.

Selected soil samples were placed in laboratory-provided containers, preserved with methanol (samples intended for VOC analysis only) and submitted to TestAmerica located in Watertown, Wisconsin, for analysis of VOCs by EPA Method 8260B and the RCRA metals (samples from GP-1 through GP-5) and for DRO (sample GP-6). The samples were controlled using standard chain of custody procedures. Initially, only the samples from the shallow sampling interval were analyzed and the remainder of the samples were placed on hold. When detections were found in any of the shallow soil boring samples, the next deeper sample was analyzed in an effort to define the vertical boundary of impacts. A summary of soil analytical results are presented in Table 1 and a copy of the laboratory report with chain-of-custody documentation is included as Appendix C.

3.2 Subsequent Investigation Phase

3.2.1 Soil Borings

On July 30, 2004, to further define the vertical extent of impacts, two soil borings (GP-7 and GP-8) were drilled utilizing hollow stem auger drilling techniques to depths of, respectively, 33 feet and 31 feet bgs, where refusal was encountered. Each boring was sampled at continuous intervals to the termination depth of the boring. All soil samples were collected from in front of the auger flights using standard split-spoon sampling methods as described by ASTM. After sampling, the borings were abandoned by filling each soil probe hole either to the surface or to the near surface with granular bentonite, then topping off with a concrete patch. Soil boring logs are provided in Appendix B. The boring locations are illustrated on Figure 4.

3.2.2 Sampling and Analysis

3.2.2.1 Soil Boring Samples

Soil samples were collected from each (two-foot) sampling interval and were split for field screening and laboratory analysis as described previously. As in the previous sampling event, samples were placed in laboratory-provided containers, preserved with methanol (sample intended for VOC analysis only) and submitted to TestAmerica for analysis following standard chain-of-custody procedures. Soil samples collected from GP-8 at depths of 2-feet, 5-feet, 11-feet and 15-feet bgs were provided to the laboratory for analysis for total organic carbon (TOC) while the samples

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Soil samples were collected from each (two-foot) sampling interval and were split for field screening and laboratory analysis as described previously. As in the previous sampling event, samples were placed in laboratory-provided containers, preserved with methanol (sample intended for VOC analysis only) and submitted to TestAmerica for analysis following standard chain-of-custody procedures. Soil samples collected from GP-8 at depths of 2-feet, 5-feet, 11-feet and 15-feet bgs were provided to the laboratory for analysis for total organic carbon (TOC) while the samples

collected from the termination depths of the borings (GP-7, 33-feet bgs; GP-8, 31-feet bgs) were submitted for analysis of VOCs (Method 8260B). A summary of soil analytical results are presented in Table 1 and a copy of the laboratory report with chain-of-custody documentation is included as Appendix C.

3.3 Investigative Wastes

Soil boring auger spoils were placed in DOT-compliant 55-gallon drums and labeled as non-hazardous soil or groundwater, as appropriate, pending analysis and proper disposal. The other investigative wastes (*e.g.*, disposable bailers, used sampling gloves, etc.) were disposed as general refuse.

3.4 Decontamination Procedures

Down-hole soil sampling equipment (*e.g.*, cutting shoe) was decontaminated before each sampling interval using an Alconox or TSP solution and rinsed in known-clean water (*i.e.*, municipal tap or bottled deionized). For soil probe sampling, a new disposable polyethylene liner was inserted into the sampling probe tube prior to each soil-sampling interval. Sampling tools (*e.g.*, split spoons, knives, spatulas, etc.) were cleaned in a solution of Alconox or TSP and rinsed in known-clean water prior to collection of each sample. A clean pair of nitrile gloves was used during collection of each sample to minimize the potential for cross-contamination of samples.

3.5 Quality Assurance/Quality Control Measures

The following quality assurance/quality control measures were implemented during the site investigation activities:

- Decontamination procedures and measures to minimize the potential for cross-contamination of samples were used (see Section 3.4, Decontamination, above).
- All Site activities were recorded in a bound field notebook (see Section 3.6, Field Documentation, below).
- Chain of custody procedures were followed (see below).
- Sample blanks were collected and analyzed (see below).

3.5.1 Chain of Custody Procedures

Chain-of-custody forms were completed prior to sample shipment. Included on the forms were the sample identification (sample location identification, depth of sample and date of sample collection), sample type, sample container (type and number of containers), analytical method to be performed, preservatives and name of sampler.

A completed chain-of-custody form accompanied each sample shipment. A courier from TestAmerica signed the completed form and transported the samples to the laboratory for analyses.

3.5.2 Replicate and Blank Samples

Methanol blanks, field blanks and trip blanks were submitted with the soil samples as specified in the Work Plans. Duplicate samples were also collected during the sampling events.

3.6 Field Documentation

All Site activities were documented in a bound field notebook. Included in the daily documentation were:

- Procedures for sampling and other routine activities associated with the site investigation.
- Personnel working on the Site.
- Chronological log of Site activities.

3.7 Health & Safety

Investigation activities were performed in accordance with ENSR's June 2004 *"Health and Safety Plan for the Site Investigation, Bostik Findley, Inc. Facility, 2930 West Center Street, Milwaukee, Wisconsin."* No health and safety-related accidents or incidents occurred during the field activities.

4.0 SITE INVESTIGATION RESULTS

4.1 Physical Site Characteristics

The Site is situated in an urban area in the City of Milwaukee, and is bounded to the north by residential properties, to the east by North 29th Street beyond which are residential properties, to the south by West Center Street beyond which are residential properties, and North 30th Street to the west. The Site has little topographic relief, but slopes gently east toward the Milwaukee River and Lake Michigan. The Site elevation is approximately 670 feet above mean sea level.

The Site building (previously described in Section 2.3) is presently vacant and, with the paved storage/parking area, covers approximately 98% of the property. The City of Milwaukee provides potable water and sanitary sewer service to the area. Storm water that does not percolate into the unpaved surfaces leaves the Site via sheet flow and is intercepted by the municipal storm water sewer system.

4.2 Geological and Hydrogeological Settings

See Section 3.20 of the excerpt from GZA GeoEnvironmental, Inc., September 3, 2003, "*Phase I Environmental Site Assessment Report, Bostik Findley, 2930 West Center Street, Milwaukee, Wisconsin*", provided as Appendix D. Groundwater was not encountered in any boring drilled at the Site.

4.3 Soil Investigation

The objectives for the placement and sampling scope for each boring in the initial investigation phase were presented in the *Site Investigation Work Plan* (ENSR, June 2004). Based on review of the data collected during the first phase of investigation and discussions with WDNR representatives, a subsequent investigation phase was conducted to evaluate the vertical extent of impacts inside the building in the vicinity of boring GP-4 (drilled in June 1996) and in the vicinity of the former location of two, 300-gallon USTs removed in November 1995.

4.3.1 Initial Investigation Phase

4.3.1.1 Soil Borings

During the initial investigation phase, six soil borings (GP-1 through GP-6) were drilled and sampled. Five of the borings, GP-1 through GP-5, were advanced to depths of 16 feet bgs. The remaining boring sample (shallow sample, GP-6) was obtained from stained soil below a former fill pipe located on the building exterior on the northwest portion of the Site. Native soils encountered on the Site consisted generally of brown to gray clay or silty clay with some occasional interbedded silt, fine

4.3.2 Subsequent Investigation Phase

4.3.2.1 Soil Borings

Two soil borings (GP-7 and GP-8) were advanced, respectively, to depths of 33 feet bgs and 31 feet bgs. Native soils encountered in the borings consisted generally of brown and gray silty clay and silt interbedded with seams of fine sand and gravel to the termination depths (auger refusal) of the borings. No PID readings were noted in the samples from GP-7. PID readings ranged from no detect to a high of 588 instrument units in the soil samples collected from boring GP-8, with the highest measurements detected in a sample obtained at a depth of three feet bgs. No PID readings were noted in the samples from GP-8 at 9 feet bgs to the refusal at 31 feet bgs.

4.3.2.2 Soil Analytical Results –Subsequent Investigation

Naphthalene was the only VOC detected in the sample from GP-8 collected at a depth of 31 feet bgs. The detected naphthalene concentration, 30 μg/kg, is significantly less than either the Wisconsin Generic Industrial Direct Contact RCL for naphthalene of 110,000 μg/kg or the Wisconsin Generic Residential Direct Contact RCL for naphthalene of 20,000 μg/kg [3]. TCE was initially detected in the sample from GP-7 collected at 33 feet bgs. ENSR requested a reanalysis of the samples from both GP-7 and GP-8. The reanalysis of the sample from GP-8 verified the initial naphthalene result; however, TCE was not detected in the sample from GP-7. ENSR requested the laboratory evaluate the discrepancy. An August 11, 2004 letter from the TestAmerica Laboratory Manager, states that, "However, due to the low level detection (the result is at the Limit of Quantification) and the fact that two subsequent analyses failed to confirm the initial findings, I feel the first analyses was a false detection of Trichloroethene." A copy of this letter and a letter describing sample handling procedures is included as Appendix E. Soil analytical results from this investigation are summarized in Table 1 and Figure 4. Laboratory reports are contained in Appendix C.

4.4 POTENTIAL IMPACTS TO UTILITIES AND SENSITIVE RECEPTORS

No sensitive species, habitats or ecosystems, wetlands, to any outstanding or exceptional resource waters or any sites or facilities of historical or archaeological significance were identified in the vicinity of the Site.

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[3] *Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) - Interim Guidance*, RR-519-97

5.0 INVESTIGATION CONCLUSIONS

Soils encountered at the Site consist typically of silty clay and clays with discontinuous sand and gravel seams to at least the termination depths of the borings (33 feet bgs). These are predominantly low-permeability soils.

The soil impacts exceeding Wisconsin RCLs are found at shallow depths at the Site. The highest concentrations are found at the Main Parcel in boring GP-4, drilled/sampled in June 1996, and in the vicinity of the former USTs removed in November 1995. Impacts are shown to decrease significantly with depth.

Based on the analytical data generated during this and previous site investigations, the boundaries of soil impacts are reasonably defined, confined to the Site and located beneath the building foundation or paved parking areas. There are no indications that groundwater has been impacted and, based on the SESOIL modeling of the potential for the constituents to impact groundwater, none of the constituents would be expected to impact groundwater (*"Evaluation of Site-Specific Soil Cleanup Standards, Findley Adhesives, Inc., 2930 West Center Street, Milwaukee, WI,"* (Environmental Software Consultants, Inc., 3/13/1996). Based on existing data regarding soil characteristics and depth to groundwater, it is ENSR's opinion that the conclusions reached in the evaluation of SESOIL modeling remain valid for the Site.

Potable water is provided to the area by the City of Milwaukee and the groundwater yields from the shallow groundwater aquifer in the area of the Site are insufficient for domestic or industrial use. No surface-water features to which groundwater could discharge exist in the immediate Site area. Thus, potential risks associated with impacted groundwater are minimal.

Based on evaluation of data developed during the investigations at the Site, the boundaries of impact are sufficiently defined to proceed with an evaluation of potential exposure pathways and remedial options.

6.0 CONCEPUTAL SITE MODEL

6.1 Introduction

A conceptual Site model was developed to provide an understanding of contaminant release and transport mechanisms, exposure pathways and receptors. This model is presented in Figure 5. Based on the use of the Site (the Site is currently vacant) and limited access (only workers are allowed in the building and foot access to the Site is restricted by the presence of fencing), general Site workers are the most likely potentially exposed population.

Potential exposure routes include direct contact with impacted soils, ingestion of impacted soils, inhalation of impacted fugitive dust and inhalation of volatilized contaminants from impacted soil. As the Site is almost entirely covered by either the building or an asphalt parking lot, access is restricted and there is no indication that groundwater is impacted, there are no completed pathways for direct contact.

Potable water is provided to the area by the City of Milwaukee and the groundwater yields from the shallow groundwater aquifer in the area of the Site are insufficient for domestic or industrial use. There are no indications that groundwater has been impacted and modeling indicates that contaminants in the soil are not expected to impact groundwater. Additionally, no surface-water features to which groundwater could discharge exist in the Site area. Thus, there are no complete pathways for exposure to groundwater. Therefore, current conditions at the Site are protective of human health and the environment.

6.2 Future Use

Bostik is coordinating with the City of Milwaukee to find a buyer who will make beneficial industrial use of the Site. Following approval of a closure strategy by the WDNR, Bostik will implement an appropriate remedial option to ensure that current Site conditions protective of human health and the environment are maintained.

Potential remedial options to address the soil impacts will be addressed in the subsequent sections of this report.

7.0 REMEDIAL OPTION EVALUATION

7.1 Remedial Response Objectives

A key element in developing Site-specific remedial response objectives is the evaluation of risk to human health and the environment. As discussed in Section 6.0, current conditions at the Site are protective of human health for the direct contact pathways (ingestion, inhalation, dermal contact), the groundwater at the Site is not impacted by Site conditions, soil contaminants are not expected to impact groundwater and it is considered unlikely that the groundwater would be used as a source of potable water in the future.

Based on an evaluation of Site-specific conditions, risk factors and likely current and future use of the Site, the following remedial response objectives have been developed:

- Preventing future direct contact with impacted soils; and,
- Minimizing infiltration and resulting contaminant leaching to groundwater.

7.2 General Response Actions

General response actions are media-specific actions that fulfill site-specific remedial objectives. Three general response action categories have been developed for addressing environmental conditions at the Site and include:

- **No Action** - This response action category serves as a basis against which other remedial actions are compared and may be selected where current and future risks are within acceptable ranges.
- **Institutional Controls** - This response action includes administrative controls, such as a means of notifying future owners/users of the property of residual soil or groundwater contamination exceeding applicable standards and actions to restrict exposure.
- **Containment** - This strategy includes alternatives that provide for the continued isolation or containment of impacted soil with little to no treatment.

7.3 Identification and Screening of Technologies

During this stage, viable technologies are selected from the array of techniques available based on technical implementability considerations. This process serves to support development of workable alternatives to be studied in detail. Only technologies and process options judged as promising on the basis of Site-specific technical factors were incorporated into remedial action alternatives.

The screening of the various technologies is based on technical implementability and involves the following considerations:

- The technology should be reliable, based on proven techniques and successfully implemented under similar conditions,
- The technology should be appropriate for the particular Site conditions, based on engineering judgment, and
- The technology should be capable, by itself, or in combination with other technologies, of addressing remedial response objectives.

Based on current Site conditions and likely future use of the Site, it is evident that relevant potential technologies and practical alternatives to address current conditions at the Site are limited and active remediation is not required. Consequently, a practical, streamlined approach will be used to address conditions at the Site. The technologies most readily applicable to Site conditions that are selected for evaluation include:

1. No Action
2. Administrative actions that restrict access and Site development and notify future owners/users of the Site of residual soil contamination.
3. Actions that contain or isolate impacted soils on-site to eliminate exposure pathways. The current building and parking lot serve to contain the impacts to soil at the Site.

7.4 Identification of Screening Criteria

As required in NR 722.07, alternatives are evaluated on a general basis against the short- and long-term aspects of three broad criteria: effectiveness, implementability and cost. Elements to be addressed within each broad category are introduced below:

Effectiveness Evaluation: This evaluation involves the following factors:

- Long-Term Effectiveness and Permanence addresses the magnitude of residual risk after remediation and the adequacy and reliability of controls for any contamination remaining in-place.

- Short-Term Effectiveness addresses the effects of the option during the construction and implementation phase of the project. Components of this evaluation include potential exposure of the public, safety considerations, and environmental impacts (*e.g.,* emissions).

Implementability Evaluation: This evaluation addresses the technical and administrative feasibility of implementing an alternative considering the following factors:

- Technical Feasibility involves examination of the construction and operation aspects of an option, the reliability of the technology or technologies that could impact the schedule, and the ease of undertaking additional remedial actions, should they be necessary.

- Administrative Feasibility addresses the administrative and regulatory activities needed to support an option (*e.g.,* permits).

- Availability of Services and Materials considers the availability of equipment, specialists, services and materials, and prospective technologies.

- Remedial Action Time frame provides a qualitative estimate of the length of the remedial action.

Cost Evaluation: Qualitative cost estimates are prepared to provide a baseline on which to evaluate the economic feasibility of an alternative.

7.5 Screening of Technologies

7.5.1 No Action

This option represents the strict no action option for management of impacted soil at the Site. The alternative serves as a baseline against which other alternatives can be compared/contrasted. If current and future risks support a no action alternative, this option could be selected. Under the No Action alternative, current Site conditions, migration routes, and exposures would remain unchanged in the short- and long-term.

Effectiveness

No reduction in mobility, toxicity, or volume can be expected other than that associated with naturally-occurring mechanisms involving biodegradation and chemical degradation. Adequacy and reliability of controls are not applicable to this alternative. Evaluation of short-term effectiveness is also not applicable due to the lack of remediation activities associated with this alternative. Note that this option does not restrict future development of the Site including removal of the building and exposure of potential receptors to impacted soil.

Implementability

Implementability criteria do not apply to this option. The remedial action time frame would be immediate.

Cost

This option would be a no cost option.

Screening Results

This option will be retained as an alternative to serve as a baseline against which other actions can be compared. It is not a viable alternative, as future development of the Site is not controlled. If the Site were developed without controls, exposure of potential receptors could result.

7.5.2 Institutional Controls

Institutional controls would be implemented to restrict exposure to contaminated soil at the Site. The Site would be registered on the WDNR GIS Registry as a means of notifying future owners/users of the Site of residual soil contamination exceeding the RCLs or Site-specific cleanup standards. A deed restriction controlling development of the Site would also be filed.

Effectiveness

As with the no action alternative, the limited reduction in mobility, toxicity, or volume that can be expected with this alternative are associated with naturally-occurring mechanisms involving biodegradation and chemical degradation. If the Site were to be further developed at a future date, the Soil GIS Registry would advise of the possibility of residual contamination, and precautions could be undertaken to minimize exposure to the public. It should be noted that additional development in the area of concern appears unlikely. Short- and long-term effectiveness are considered adequate.

Implementability

This alternative has been partially implemented. Only Site workers are generally allowed in the area and foot access to the area is restricted by the presence of fencing and the locked building. Preparation and filing of the Soil GIS Registry forms and deed restriction to advise of the presence of residual contamination and restrict development at the Site is a relatively simple matter. Monitoring and maintenance would include periodic inspection and repair/replacement of existing fencing and Site access controls and is easily implemented.

Cost

The capital cost for implementation of this alternative is on the order of $6,900. Periodic inspection and maintenance of the Site fencing and signs would be required at a cost of approximately $2,800 per year.

Screening Results

As described above, elements of this alternative (restricted access) have been implemented at the Site. This alternative would be combined with other alternatives (*e.g.* containment).

7.5.3 Containment

The existing building and parking lot provides a physical barrier to prevent direct contact and eliminate the key release pathways of migration to groundwater and wind dispersal from the Site. Long term maintenance of the building structure and parking lot would be required to ensure that integrity is maintained.

Effectiveness

This alternative addresses the potential for direct contact with impacted soil and migration of contaminants from Site soils to groundwater due to infiltration and percolation. This alternative would require moderate annual maintenance. Long-term effectiveness and permanence is considered to be excellent for this option. Technical and administrative feasibility considerations are also excellent. The magnitude of residual risk is also reduced, as the current protective conditions regarding potential dermal contact and soil ingestion would be maintained.

There should be no short-term effectiveness considerations as the building and paved area are in place and are in good condition.

Implementability

Technical implementability considerations for the Site are excellent as the building and paved area have already been constructed. No problems are anticipated with regards to equipment, materials, and services. A long-term program to monitor and maintain the building, paved area and other physical controls (fences, drainage controls, etc.) would be required.

Cost

Capital costs associated with this alternative should be limited to preparation of an O&M plan and checklist, an initial inspection to document the conditions of the building and paved area and minor upgrades to the parking lot and building – approximately $4,600. Yearly maintenance costs would be on the order of $2,800.

Evaluation Results

This option would be protective of human health and the environment and is already in place. This alternative is retained for further consideration.

7.6 Results Summary

In this section, the no action, institutional control and containment alternatives were developed to address Site-specific conditions. The screening process conducted involved review of the proposed technologies against general criteria designed to measure alternative effectiveness, implementability, and cost.

8.0 ASSEMBLY AND EVALUATION OF ALTERNATIVES

8.1 Introduction

In this section, the most appropriate technologies are combined into remedial options to address conditions at the Site. These options are compared and the most appropriate remedial option selected for implementation at the Site.

8.2 Summary of Options

The comprehensive remedial options assembled from the individual alternatives are presented below:

OPTION	CATEGORY	DESCRIPTION/FEATURES
1	No Action	No Action
2	Institutional Controls, Containment.	Addition to WDNR's GIS Registry, Current Access Restrictions, Monitoring/Maintenance of existing containment (building, paved areas).

8.3 Comparative Analysis

Presented in this section is a comparison of the Options to allow for an evaluation of their relative strengths and weaknesses.

8.3.1 Overall Protection of Human Health and the Environment

Option 1 does not provide for restriction of development of the Site, which could allow exposure via the direct contact pathway and thus would not provide protection of human health and groundwater. Option 2 addresses the source and provides for protection of groundwater and human health.

8.3.2 Compliance with Regulatory Requirements

Option 1 does not address restriction of development of the Site, which could allow exposure via the direct contact pathway and leaching of soil contaminants to groundwater, thus not meeting the requirement for both human health and groundwater protection. Option 2 address both the direct contact pathway and groundwater protection requirements.

8.3.3 Long-Term Effectiveness:

Option 1 does not provide adequate long-term effectiveness due to the inherent levels of residual soil contamination and lack of adequate controls for restriction of development of the Site. Option 2 can be effectively implemented for the long term and provide a long-term solution for elimination of the direct contact pathway and protection of groundwater at the Site.

8.3.4 Reduction of Toxicity, Mobility or Volume Through Treatment

Neither Option 1 or Option 2 would achieve reductions of toxicity, mobility or volume (other than that associated with natural mechanisms).

8.3.5 Short-Term Effectiveness

Option 1 does not provide adequate short-term effectiveness due to the inherent levels of residual soil contamination and lack of adequate controls if the Site were developed (there are no restrictions that limit building and/or paving removal). The institutional controls in Option 2 can be effectively implemented in a very short time period. The containment provided by the building and paved area are already in place.

8.3.6 Implementability

Technical feasibility for both alternatives is high. There are no specialized technologies involved. Option 1, the No Action Alternative can be implemented immediately. Option 2 can be readily implemented from an operational and availability standpoint, as only conventional equipment and technology are involved.

Administrative feasibility is also high for both Options. Option 2 includes registrations in WDNR's GIS Registry, preparing and filing a deed restriction and other institutional controls that are not considered to be a critical factor.

8.3.7 Cost:

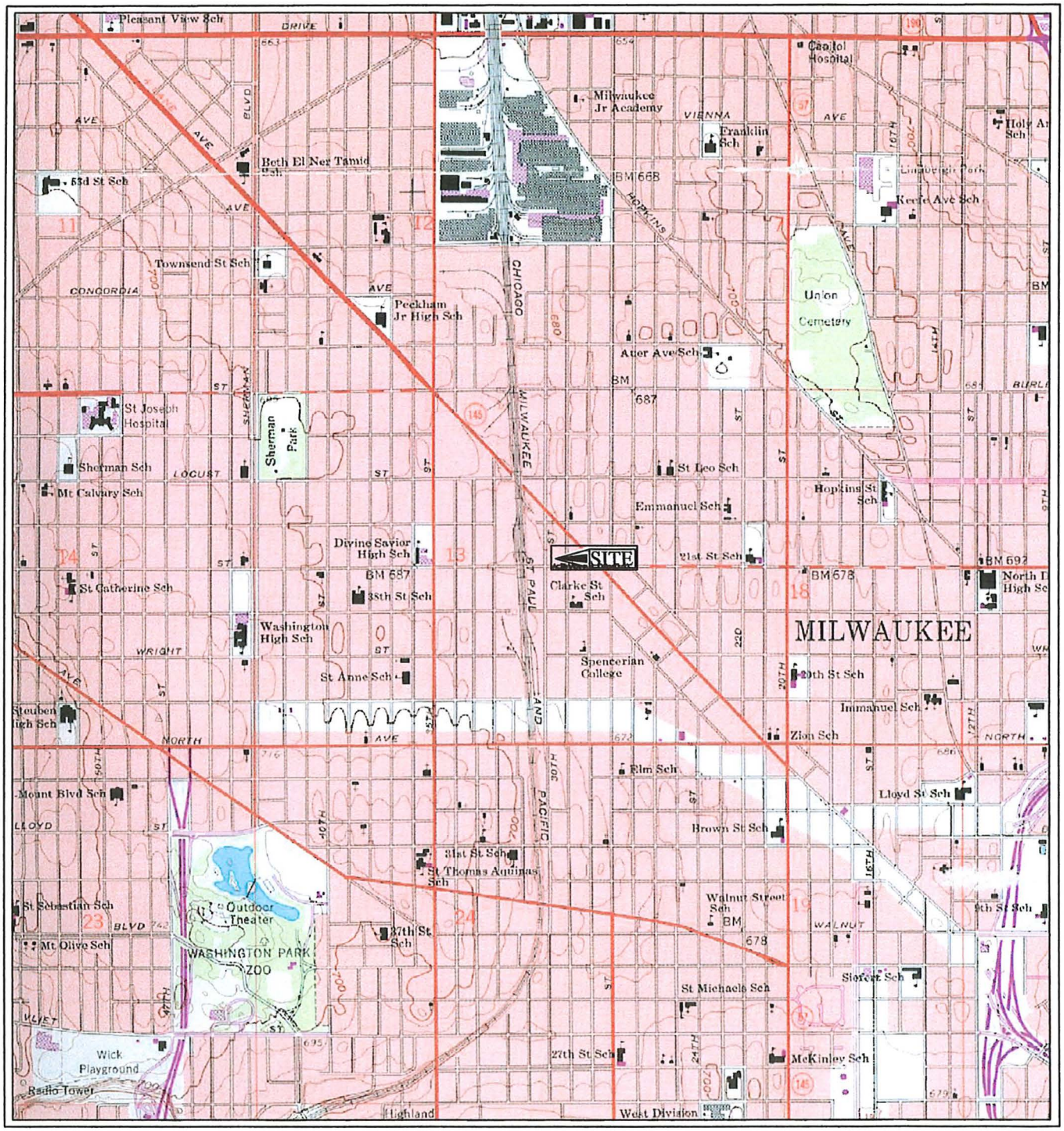
Estimated capital costs for Option 1 is $0. Option 2 has a capital cost of approximately $11,500. The annual maintenance cost for Option 2 will be approximately $5,000.

9.0 RECOMMENDATION

Option 2 is the option selected for implementation at the Site. This Option includes:

- Institutional Controls
    - o Addition of the Site to the WDNR GIS Registry.
    - o Deed Restriction.
    - o Maintenance of Existing Site Access Restrictions.
- Containment
    - o Maintain Existing Building and Paved Areas.

This option is protective of human health and groundwater.



Adapted from: USGS 7.5 minute series Milwaukee, Wisconsin topographic quadrangle dated 1958, Photorevised 1971.

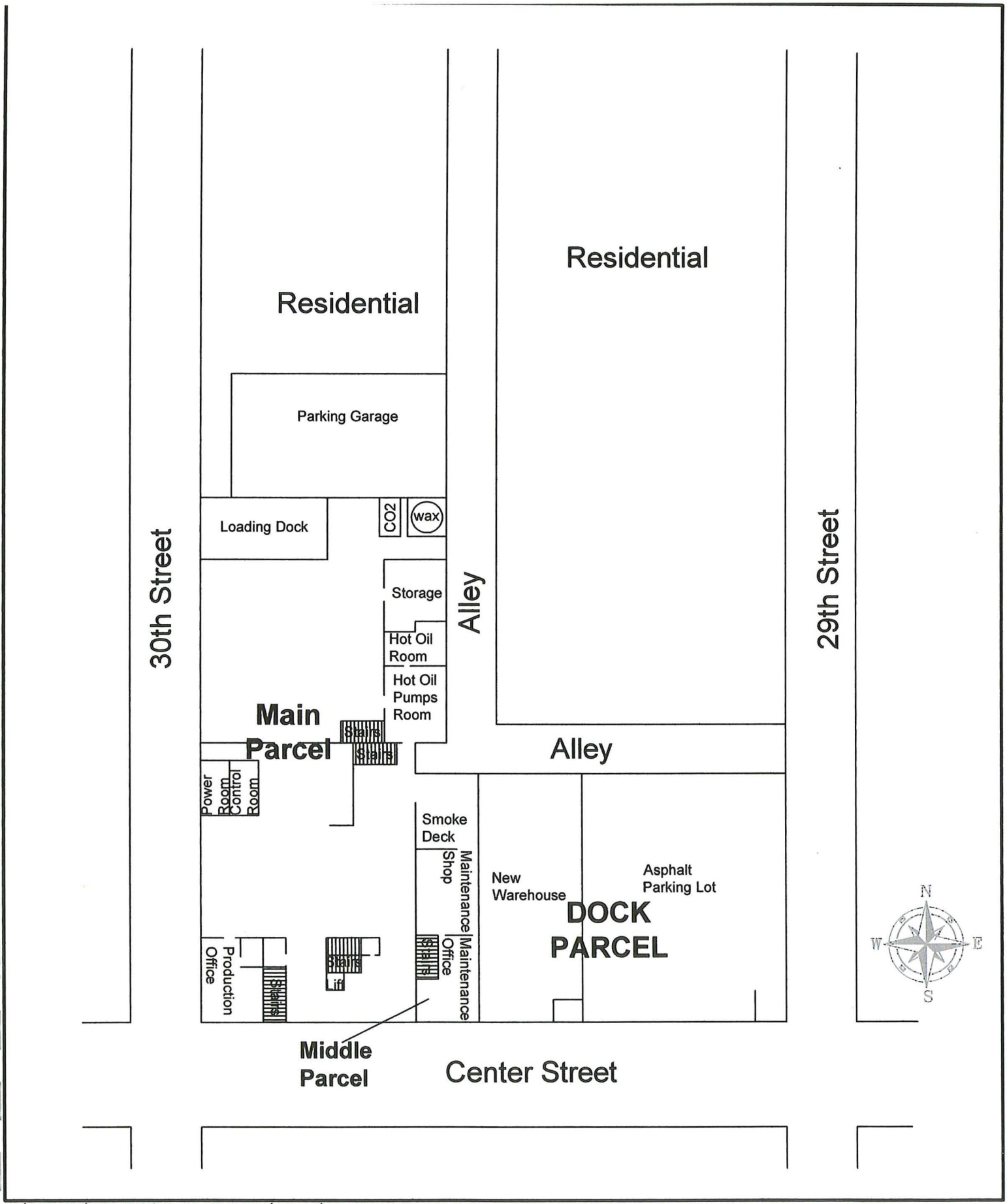
SCALE 1:24,000

Figure 1

Site Location Map

Bostik Findley
2930 West Center Street, Milwaukee, Wisconsin

ENSR INTERNATIONAL



J:\COMMON\00963023 Bostik Center ST\figures\site layout map R-1.dwg

REV#	DESCRIPTION	APP'D

ENSR INTERNATIONAL

SITE LAYOUT MAP

Bostik Findley
2930 West Center Street

DRWN: HEP	SCALE: 1"=59'
CHK'D:	DATE: 06-21-04
APP'D:	**FIGURE 2**

sand and gravel to a depth of 16 feet bgs. No photoionization detector readings above background were detected in the soil samples collected from boring GP-1 through GP-5. Groundwater was not encountered in the borings.

4.3.1.2 Soil Analytical Results – Initial Investigation

No VOCs were detected in samples from GP-1, GP-2, GP-3 and GP-5. None of the samples in which VOCs were detected (from GP-4) contained concentrations of VOCs that exceeded their respective Wisconsin Generic Industrial Direct Contact Residual Contaminant Levels (RCLs). Only one analyte, TCE, detected at a concentration of 36 micrograms per kilogram (μg/kg) in GP-4 in the sample from three feet bgs exceeded the Wisconsin Generic Residential Direct Contact RCL of 14 μg/kg. In GP-4, the TCE concentration exceeded the Wisconsin Generic RCL for the soil to groundwater pathway of 3.7 μg/kg in the sample collected at a depth of 3-feet bgs; however, TCE was not detected in the deeper GP-4 samples[1]. Tetrachloroethene (PCE) concentrations exceeded the Wisconsin generic soil to groundwater RCL of 4.1 μg/kg in the sample collected from borings GP-4 at depths of 3 feet and 8 feet bgs. PCE was not detected in the sample from GP-4 obtained at a depth of 16 feet bgs. The Wisconsin generic soil to groundwater RCL for for *cis*-1,2,-dichloroethene (*cis*-1,2,-DCE), 27μg/kg, was also exceeded in the sample collected from GP-4 at a depth of 3 feet bgs but *cis*-1,2,-DCE was not detected in any of the deeper GP-4 samples.

DRO was detected in the sample from GP-6 at a concentration of 7,100 milligrams per kilogram (mg/kg). This concentration exceeded the Wisconsin RCL as set forth in NR 720.09. Note that the DRO impacted soil in this area was subsequently removed and properly disposed. Confirmatory samples were obtained and the results were below the generic RCL for petroleum impacts outlined in NR 720.09 (4) (a) 2. Laboratory reports for the confirmatory samples are included in Appendix C and the sample location and results are included in Figure 4.

Arsenic exceeded the Wisconsin RCL for both industrial and non-industrial use (respectively, 1.6 mg/kg) and 0.039 mg/kg) in borings GP-1 through GP-5. Although above the RCL, the arsenic concentrations observed at the site are within the naturally-occurring ranges found in Wisconsin, as reported by USGS[2] and are indicative of area background concentrations rather than impacts due to Site operations. Soil analytical results from this investigation are summarized in Table 1 and Figure 4.

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[1] Note that the Calculated Wisconsin Generic RCL for the soil to groundwater pathway for TCE and PCE are less than the laboratory method detection limit.

[2] USGS, National Geochemical Database Open File Report 97-492

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4.3.2 Subsequent Investigation Phase

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4.4 POTENTIAL IMPACTS TO UTILITIES AND SENSITIVE RECEPTORS

No sensitive species, habitats or ecosystems, wetlands, to any outstanding or exceptional resource waters or any sites or facilities of historical or archaeological significance were identified in the vicinity of the Site.

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[3] *Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) - Interim Guidance*, RR-519-97

Based on the limited extent of impacts to soil, the limited potential for migration (impacts located under the building foundation) and the extensive developmental history of the Site and surrounding area, the impacts at the Site are not believed to pose a threat to public or private water supplies, to any sensitive species, habitats or ecosystems, to any wetlands, to any outstanding or exceptional resource waters or to any sites or facilities of historical or archaeological significance.

5.0 INVESTIGATION CONCLUSIONS

Soils encountered at the Site consist typically of silty clay and clays with discontinuous sand and gravel seams to at least the termination depths of the borings (33 feet bgs). These are predominantly low-permeability soils.

The soil impacts exceeding Wisconsin RCLs are found at shallow depths at the Site. The highest concentrations are found at the Main Parcel in boring GP-4, drilled/sampled in June 1996, and in the vicinity of the former USTs removed in November 1995. Impacts are shown to decrease significantly with depth.

Based on the analytical data generated during this and previous site investigations, the boundaries of soil impacts are reasonably defined, confined to the Site and located beneath the building foundation or paved parking areas. There are no indications that groundwater has been impacted and, based on the SESOIL modeling of the potential for the constituents to impact groundwater, none of the constituents would be expected to impact groundwater (*"Evaluation of Site-Specific Soil Cleanup Standards, Findley Adhesives, Inc., 2930 West Center Street, Milwaukee, WI,"* (Environmental Software Consultants, Inc., 3/13/1996). Based on existing data regarding soil characteristics and depth to groundwater, it is ENSR's opinion that the conclusions reached in the evaluation of SESOIL modeling remain valid for the Site.

Potable water is provided to the area by the City of Milwaukee and the groundwater yields from the shallow groundwater aquifer in the area of the Site are insufficient for domestic or industrial use. No surface-water features to which groundwater could discharge exist in the immediate Site area. Thus, potential risks associated with impacted groundwater are minimal.

Based on evaluation of data developed during the investigations at the Site, the boundaries of impact are sufficiently defined to proceed with an evaluation of potential exposure pathways and remedial options.

6.0 CONCEPUTAL SITE MODEL

6.1 Introduction

A conceptual Site model was developed to provide an understanding of contaminant release and transport mechanisms, exposure pathways and receptors. This model is presented in Figure 5. Based on the use of the Site (the Site is currently vacant) and limited access (only workers are allowed in the building and foot access to the Site is restricted by the presence of fencing), general Site workers are the most likely potentially exposed population.

Potential exposure routes include direct contact with impacted soils, ingestion of impacted soils, inhalation of impacted fugitive dust and inhalation of volatilized contaminants from impacted soil. As the Site is almost entirely covered by either the building or an asphalt parking lot, access is restricted and there is no indication that groundwater is impacted, there are no completed pathways for direct contact.

Potable water is provided to the area by the City of Milwaukee and the groundwater yields from the shallow groundwater aquifer in the area of the Site are insufficient for domestic or industrial use. There are no indications that groundwater has been impacted and modeling indicates that contaminants in the soil are not expected to impact groundwater. Additionally, no surface-water features to which groundwater could discharge exist in the Site area. Thus, there are no complete pathways for exposure to groundwater. Therefore, current conditions at the Site are protective of human health and the environment.

6.2 Future Use

Bostik is coordinating with the City of Milwaukee to find a buyer who will make beneficial industrial use of the Site. Following approval of a closure strategy by the WDNR, Bostik will implement an appropriate remedial option to ensure that current Site conditions protective of human health and the environment are maintained.

Potential remedial options to address the soil impacts will be addressed in the subsequent sections of this report.

7.0 REMEDIAL OPTION EVALUATION

7.1 Remedial Response Objectives

A key element in developing Site-specific remedial response objectives is the evaluation of risk to human health and the environment. As discussed in Section 6.0, current conditions at the Site are protective of human health for the direct contact pathways (ingestion, inhalation, dermal contact), the groundwater at the Site is not impacted by Site conditions, soil contaminants are not expected to impact groundwater and it is considered unlikely that the groundwater would be used as a source of potable water in the future.

Based on an evaluation of Site-specific conditions, risk factors and likely current and future use of the Site, the following remedial response objectives have been developed:

- Preventing future direct contact with impacted soils; and,
- Minimizing infiltration and resulting contaminant leaching to groundwater.

7.2 General Response Actions

General response actions are media-specific actions that fulfill site-specific remedial objectives. Three general response action categories have been developed for addressing environmental conditions at the Site and include:

- **No Action** - This response action category serves as a basis against which other remedial actions are compared and may be selected where current and future risks are within acceptable ranges.
- **Institutional Controls** - This response action includes administrative controls, such as a means of notifying future owners/users of the property of residual soil or groundwater contamination exceeding applicable standards and actions to restrict exposure.
- **Containment** - This strategy includes alternatives that provide for the continued isolation or containment of impacted soil with little to no treatment.

7.3 Identification and Screening of Technologies

During this stage, viable technologies are selected from the array of techniques available based on technical implementability considerations. This process serves to support development of workable alternatives to be studied in detail. Only technologies and process options judged as promising on the basis of Site-specific technical factors were incorporated into remedial action alternatives.

The screening of the various technologies is based on technical implementability and involves the following considerations:

- The technology should be reliable, based on proven techniques and successfully implemented under similar conditions,
- The technology should be appropriate for the particular Site conditions, based on engineering judgment, and
- The technology should be capable, by itself, or in combination with other technologies, of addressing remedial response objectives.

Based on current Site conditions and likely future use of the Site, it is evident that relevant potential technologies and practical alternatives to address current conditions at the Site are limited and active remediation is not required. Consequently, a practical, streamlined approach will be used to address conditions at the Site. The technologies most readily applicable to Site conditions that are selected for evaluation include:

1. No Action
2. Administrative actions that restrict access and Site development and notify future owners/users of the Site of residual soil contamination.
3. Actions that contain or isolate impacted soils on-site to eliminate exposure pathways. The current building and parking lot serve to contain the impacts to soil at the Site.

7.4 Identification of Screening Criteria

As required in NR 722.07, alternatives are evaluated on a general basis against the short- and long-term aspects of three broad criteria: effectiveness, implementability and cost. Elements to be addressed within each broad category are introduced below:

Effectiveness Evaluation: This evaluation involves the following factors:

- Long-Term Effectiveness and Permanence addresses the magnitude of residual risk after remediation and the adequacy and reliability of controls for any contamination remaining in-place.

- Short-Term Effectiveness addresses the effects of the option during the construction and implementation phase of the project. Components of this evaluation include potential exposure of the public, safety considerations, and environmental impacts (*e.g.,* emissions).

Implementability Evaluation: This evaluation addresses the technical and administrative feasibility of implementing an alternative considering the following factors:

- Technical Feasibility involves examination of the construction and operation aspects of an option, the reliability of the technology or technologies that could impact the schedule, and the ease of undertaking additional remedial actions, should they be necessary.

- Administrative Feasibility addresses the administrative and regulatory activities needed to support an option (*e.g.,* permits).

- Availability of Services and Materials considers the availability of equipment, specialists, services and materials, and prospective technologies.

- Remedial Action Time frame provides a qualitative estimate of the length of the remedial action.

Cost Evaluation: Qualitative cost estimates are prepared to provide a baseline on which to evaluate the economic feasibility of an alternative.

7.5 Screening of Technologies

7.5.1 No Action

This option represents the strict no action option for management of impacted soil at the Site. The alternative serves as a baseline against which other alternatives can be compared/contrasted. If current and future risks support a no action alternative, this option could be selected. Under the No Action alternative, current Site conditions, migration routes, and exposures would remain unchanged in the short- and long-term.

Effectiveness

No reduction in mobility, toxicity, or volume can be expected other than that associated with naturally-occurring mechanisms involving biodegradation and chemical degradation. Adequacy and reliability of controls are not applicable to this alternative. Evaluation of short-term effectiveness is also not applicable due to the lack of remediation activities associated with this alternative. Note that this option does not restrict future development of the Site including removal of the building and exposure of potential receptors to impacted soil.

Implementability

Implementability criteria do not apply to this option. The remedial action time frame would be immediate.

Cost

This option would be a no cost option.

Screening Results

This option will be retained as an alternative to serve as a baseline against which other actions can be compared. It is not a viable alternative, as future development of the Site is not controlled. If the Site were developed without controls, exposure of potential receptors could result.

7.5.2 Institutional Controls

Institutional controls would be implemented to restrict exposure to contaminated soil at the Site. The Site would be registered on the WDNR GIS Registry as a means of notifying future owners/users of the Site of residual soil contamination exceeding the RCLs or Site-specific cleanup standards. A deed restriction controlling development of the Site would also be filed.

Effectiveness

As with the no action alternative, the limited reduction in mobility, toxicity, or volume that can be expected with this alternative are associated with naturally-occurring mechanisms involving biodegradation and chemical degradation. If the Site were to be further developed at a future date, the Soil GIS Registry would advise of the possibility of residual contamination, and precautions could be undertaken to minimize exposure to the public. It should be noted that additional development in the area of concern appears unlikely. Short- and long-term effectiveness are considered adequate.

Implementability

This alternative has been partially implemented. Only Site workers are generally allowed in the area and foot access to the area is restricted by the presence of fencing and the locked building. Preparation and filing of the Soil GIS Registry forms and deed restriction to advise of the presence of residual contamination and restrict development at the Site is a relatively simple matter. Monitoring and maintenance would include periodic inspection and repair/replacement of existing fencing and Site access controls and is easily implemented.

Cost

The capital cost for implementation of this alternative is on the order of $6,900. Periodic inspection and maintenance of the Site fencing and signs would be required at a cost of approximately $2,800 per year.

Screening Results

As described above, elements of this alternative (restricted access) have been implemented at the Site. This alternative would be combined with other alternatives (*e.g.* containment).

7.5.3 Containment

The existing building and parking lot provides a physical barrier to prevent direct contact and eliminate the key release pathways of migration to groundwater and wind dispersal from the Site. Long term maintenance of the building structure and parking lot would be required to ensure that integrity is maintained.

Effectiveness

This alternative addresses the potential for direct contact with impacted soil and migration of contaminants from Site soils to groundwater due to infiltration and percolation. This alternative would require moderate annual maintenance. Long-term effectiveness and permanence is considered to be excellent for this option. Technical and administrative feasibility considerations are also excellent. The magnitude of residual risk is also reduced, as the current protective conditions regarding potential dermal contact and soil ingestion would be maintained.

There should be no short-term effectiveness considerations as the building and paved area are in place and are in good condition.

Implementability

Technical implementability considerations for the Site are excellent as the building and paved area have already been constructed. No problems are anticipated with regards to equipment, materials, and services. A long-term program to monitor and maintain the building, paved area and other physical controls (fences, drainage controls, etc.) would be required.

Cost

Capital costs associated with this alternative should be limited to preparation of an O&M plan and checklist, an initial inspection to document the conditions of the building and paved area and minor upgrades to the parking lot and building – approximately $4,600. Yearly maintenance costs would be on the order of $2,800.

Evaluation Results

This option would be protective of human health and the environment and is already in place. This alternative is retained for further consideration.

7.6 Results Summary

In this section, the no action, institutional control and containment alternatives were developed to address Site-specific conditions. The screening process conducted involved review of the proposed technologies against general criteria designed to measure alternative effectiveness, implementability, and cost.

8.0 ASSEMBLY AND EVALUATION OF ALTERNATIVES

8.1 Introduction

In this section, the most appropriate technologies are combined into remedial options to address conditions at the Site. These options are compared and the most appropriate remedial option selected for implementation at the Site.

8.2 Summary of Options

The comprehensive remedial options assembled from the individual alternatives are presented below:

OPTION	CATEGORY	DESCRIPTION/FEATURES
1	No Action	No Action
2	Institutional Controls, Containment.	Addition to WDNR's GIS Registry, Current Access Restrictions, Monitoring/Maintenance of existing containment (building, paved areas).

8.3 Comparative Analysis

Presented in this section is a comparison of the Options to allow for an evaluation of their relative strengths and weaknesses.

8.3.1 Overall Protection of Human Health and the Environment

Option 1 does not provide for restriction of development of the Site, which could allow exposure via the direct contact pathway and thus would not provide protection of human health and groundwater. Option 2 addresses the source and provides for protection of groundwater and human health.

8.3.2 Compliance with Regulatory Requirements

Option 1 does not address restriction of development of the Site, which could allow exposure via the direct contact pathway and leaching of soil contaminants to groundwater, thus not meeting the requirement for both human health and groundwater protection. Option 2 address both the direct contact pathway and groundwater protection requirements.

8.3.3 Long-Term Effectiveness:

Option 1 does not provide adequate long-term effectiveness due to the inherent levels of residual soil contamination and lack of adequate controls for restriction of development of the Site. Option 2 can be effectively implemented for the long term and provide a long-term solution for elimination of the direct contact pathway and protection of groundwater at the Site.

8.3.4 Reduction of Toxicity, Mobility or Volume Through Treatment

Neither Option 1 or Option 2 would achieve reductions of toxicity, mobility or volume (other than that associated with natural mechanisms).

8.3.5 Short-Term Effectiveness

Option 1 does not provide adequate short-term effectiveness due to the inherent levels of residual soil contamination and lack of adequate controls if the Site were developed (there are no restrictions that limit building and/or paving removal). The institutional controls in Option 2 can be effectively implemented in a very short time period. The containment provided by the building and paved area are already in place.

8.3.6 Implementability

Technical feasibility for both alternatives is high. There are no specialized technologies involved. Option 1, the No Action Alternative can be implemented immediately. Option 2 can be readily implemented from an operational and availability standpoint, as only conventional equipment and technology are involved.

Administrative feasibility is also high for both Options. Option 2 includes registrations in WDNR's GIS Registry, preparing and filing a deed restriction and other institutional controls that are not considered to be a critical factor.

8.3.7 Cost:

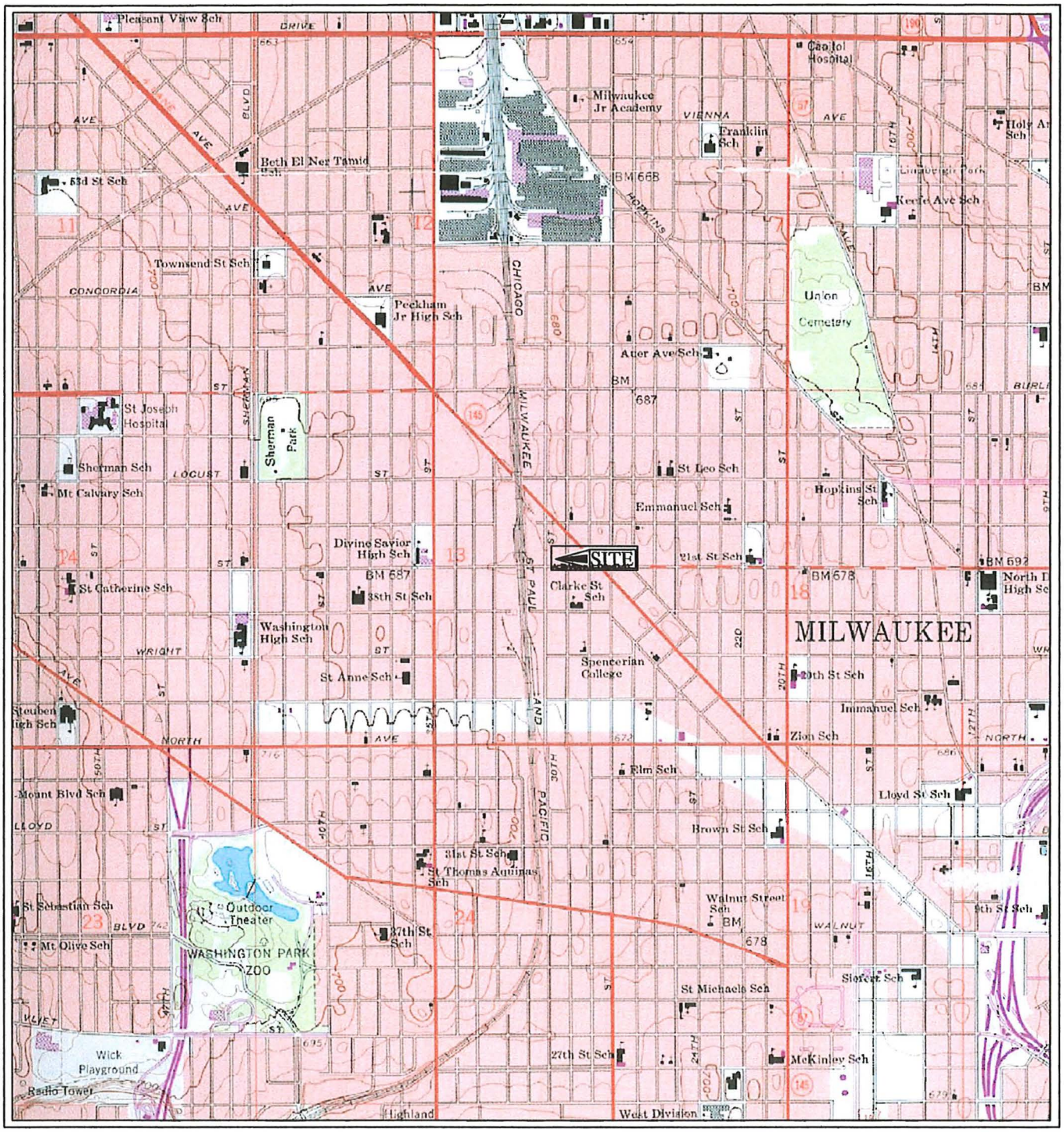
Estimated capital costs for Option 1 is $0. Option 2 has a capital cost of approximately $11,500. The annual maintenance cost for Option 2 will be approximately $5,000.

9.0 RECOMMENDATION

Option 2 is the option selected for implementation at the Site. This Option includes:

- Institutional Controls
    - o Addition of the Site to the WDNR GIS Registry.
    - o Deed Restriction.
    - o Maintenance of Existing Site Access Restrictions.
- Containment
    - o Maintain Existing Building and Paved Areas.

This option is protective of human health and groundwater.



ENSR INTERNATIONAL

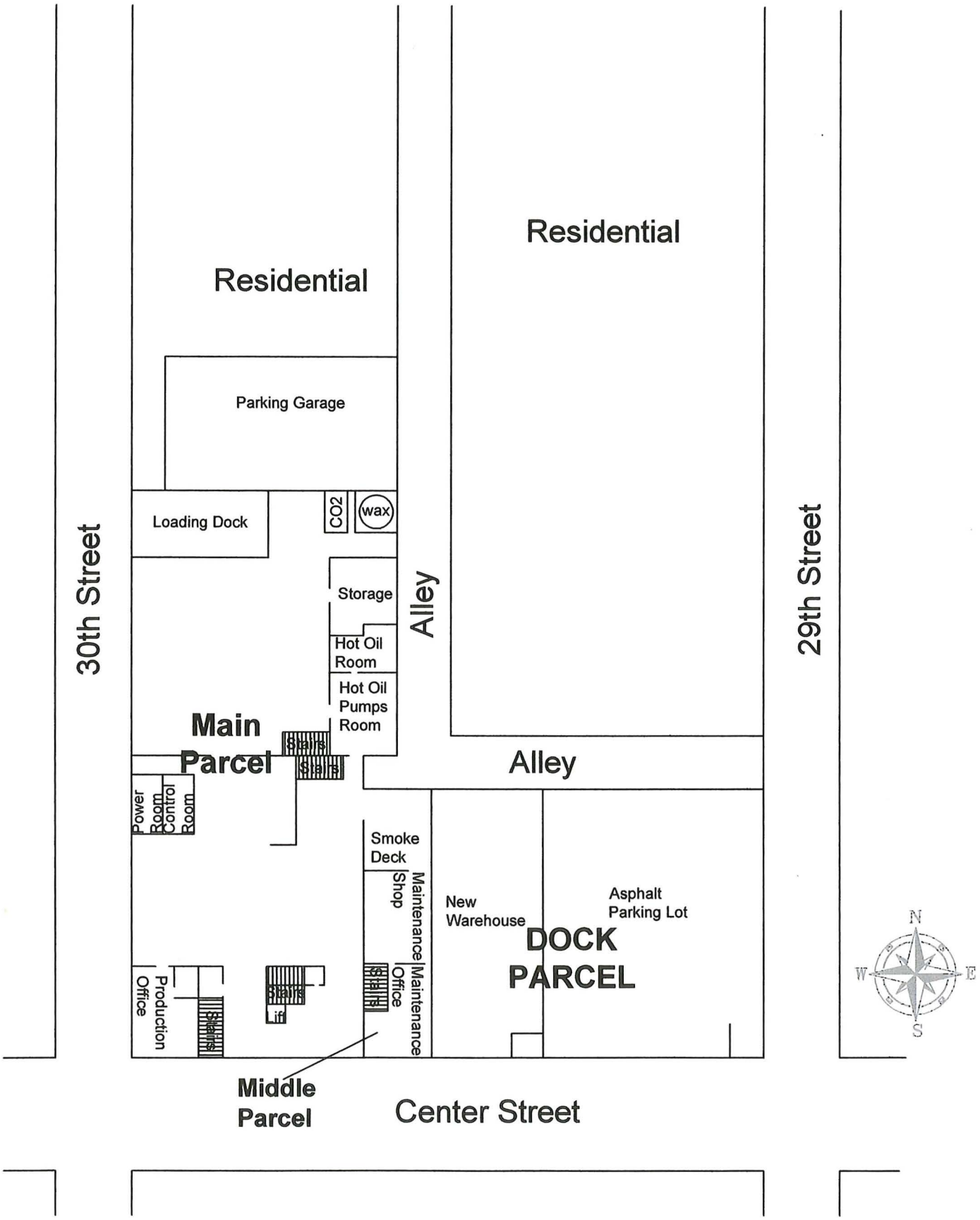
Adapted from: USGS 7.5 minute series Milwaukee, Wisconsin topographic quadrangle dated 1958, Photorevised 1971.

SCALE 1:24,000

Figure 1

Site Location Map

Bostik Findley
2930 West Center Street, Milwaukee, Wisconsin



J:\COMMON\00963023 Bostik Center ST\figures\site layout map R-1.dwg

REV#	DESCRIPTION	APP'D

ENSR INTERNATIONAL

SITE LAYOUT MAP

Bostik Findley
2930 West Center Street

DRWN: HEP	SCALE: 1"=59'
CHK'D:	DATE: 06-21-04
APP'D:	**FIGURE 2**

Residential

Residential

Former location of one,
8,000-Gallon Mineral Oil UST
(removed 10/90, "clean closure")

Parking Garage

Location of stained soil
identified in the GZA
report

Loading Dock

CO2

wax

Storage

Alley

30th Street

29th Street

Hot Oil
Room

Sub-basement
with crocks

Basement with two large,
decommissioned, coal-fired
boilers.

Basement. No Stairwell. One
small decommissioned,
coal-fired boiler
w/associated piping

Stairs

Alley

Brick Wall

Power
Room

Control
Room

Historic Use of
Solvents in Clean-up

Former location of
two, 300-Gallon
USTs (removed 11/95,
"conditional closure")

Smoke
Deck

Shop

Maintenance

New
Warehouse

Former Location of
one, 550-Gallon UST
(removed 3/98, "clean
closure")

Fenceline

Parking Lot

Production
Office

Stairs

Stairs
Lift

Stairs

Office

Maintenance
Office

Office

Brick Wall

Center Street

LEGEND

Recognized Environmental Conditions (RECs)

Historic Recognized Environmental Conditions (HRECs)

All REC and HREC locations are approximate.

Basement Crock or Catch Basin

Floor Drain

Basement Area

N

W

E

S

J:\PROJECTS\00963 – Bostik Findley\00963023 – Center ST\figures\Figure 3 RECs.dwg

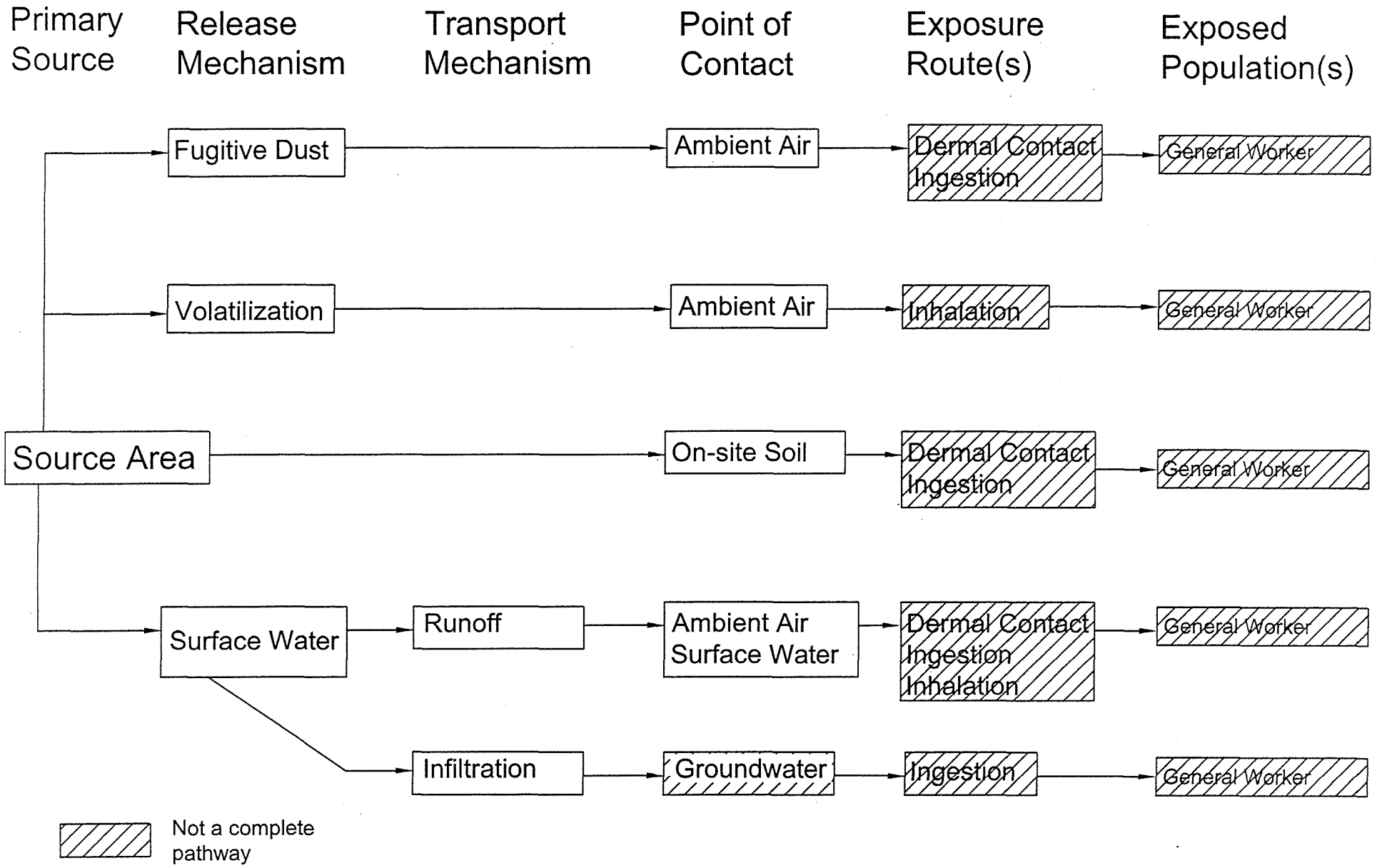
REV#	DESCRIPTION	APP'D

ENSR INTERNATIONAL

Recognized Environmental Concerns

Bostik Findley
2930 West Center Street
Milwaukee, Wisconsin

DRWN: HEP	SCALE: 1"=35'
CHK'D: BL	DATE: 09–29–04
APP'D:	**FIGURE 3**



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DRWN: WCL | DATE: 8-30-04

FIGURE 5

CONCEPTUAL SITE MODEL FOR THE CENTER STREET SITE

TABLE 1
SOIL ANALYTICAL RESULTS - ENSR INVESTIGATION

Bostik Findley
2930 W. Center St.
Milwaukee, WI

	Sample Identification, Depth and Date Sampled												
Analyte[1]	GP-1 3 ft bgs 6/15/04	GP-2 3 ft bgs 6/15/04	GP-3 3 ft bgs 6/15/04	GP-4 3 ft bgs 6/15/04	GP-4 8 ft bgs 6/15/04	GP-4 16 ft bgs 6/15/04	GP-5 3 ft bgs 6/15/04	GP-6 1ft bgs 6/15/04	GP-7* 33ft bgs 7/30/04	GP-8 31 ft bgs 7/30/04	Wisconsin Generic Direct Contact Industrial RCL	Wisconsin Generic Direct Contact Residential RCL	Wisconsin Generic Soil to Groundwater
VOCs (µg/kg)													
cis-1,2-Dichloroethene	<25	<25	<25	**74**	<25	<25	<25	<25	<31	<28	1,300,000[2]	156000[2]	27[2]
Naphthalene	<25	<25	<25	<25	<25	<25	<25	<25	<31	30	110,000[3]	20000[3]	400[3]
Tetrachloroethene	<25	<25	<25	**850**	**1,000**	<25	<25	<25	<31	<28	35,000[2]	1230[2]	4.1[2]
Trichloroethene	<25	<25	<25	**36**	<25	<25	<25	<25	<31*	<28	240[2]	14[2]	3.7[2]
DRO (mg/kg)													
	NA	NA	NA	NA	NA	NA	NA	**7,100**	NA	NA	100/250[5]	100/250[5]	100/250[5]
RCRA Metals (mg/kg)													
Arsenic (mg/kg)	**5.4**	**2.7**	**5.6**	**9.2**	NA	NA	**12**	NA	NA	NA	1.6 mg/kg[4]	0.039 mg/kg[4]	0.58 mg/kg[2]
Barium (mg/kg)	69	100	65	98	NA	NA	140	NA	NA	NA	71,500,000 mg/kg[2]	1,100 mg/kg[2]	330 mg/kg[2]
Cadmium (mg/kg)	0.51	0.40	0.41	0.34	NA	NA	0.38	NA	NA	NA	510 mg/kg[4]	8 mg/kg[4]	0.75 mg/kg[2]
Chromium (mg/kg)	20	23	17	23	NA	NA	22	NA	NA	NA	NL[4]	16,000 (Cr +3) mg/kg[4]	NL[4]
Lead (mg/kg)	19	15	19	15	NA	NA	13	NA	NA	NA	500 mg/kg[4]	50 mg/kg[4]	NL[4]
Mercury (mg/kg)	0.049	0.075	0.020	0.084	NA	NA	0.036	NA	NA	NA	2,900 mg/kg[2]	2,900 mg/kg[2]	0.42 mg/kg[2] (elemental)
Selenium (mg/kg)	0.53	<0.44	0.90	<0.44	NA	NA	<0.42	NA	NA	NA	5,110,000 mg/kg[2]	78,200 mg/kg[2]	1.0 mg/kg[2]
Silver (mg/kg)	0.046	0.069	0.051	0.050	NA	NA	0.072	NA	NA	NA	5,110,000 mg/kg[2]	78,200 mg/kg[2]	6.2 mg/kg[2]

Notes:
[1]Only Detected Compounds Shown
[2]RCL values calculated per *"Determining Residual Contaminant Levels Using EPA Soil Screening Level Web Site"*, Publication RR-682.
[3]Value from Table 1, "Soil Cleanup Levels for Polycyclic Aromatic Compounds (PAHs) Interim Guidance", Publication RR-519-17
[4]Direct Contact RCL Value from Table 2, NR 720.11
[5]Value for GRO/DRO from NR 720.09 (protection of groundwater). Value depends on soil type.
bgs = below ground surface.
DRO = Diesel range organics.
µg/kg = micrograms per kilogram (parts per billion).
mg/kg = milligram per kilogram (parts per million).
NA = Not Analyzed
NL = Not Listed
VOCs = volatile organic compounds.
RCL = Residual Contamination Levels
Concentrations in bold and outlined indicate and exceedance of an the Wisconsin Generic Groundwater Protection RCL
* Trichloroethene was initially detected in the sample from GP-7 collected at 33 feet bgs. ENSR requested a reanalysis of the samples from both GP-7 and GP-8. The reanalysis of the sample from GP-8 verified the initial naphthalene result; however, trichloroethene was not detected in the sample from GP-7. ENSR requested the laboratory evaluate the discrepancy. An August 11, 2004 letter from the TestAmerica Laboratory Manager, states that, "However, due to the low level detection (the result is at the Limit of Quantification) and the fact that two subsequent analysis failed to confirm the initial findings, I feel the first analyses was a false detection of Trichloroethene."

SOIL PROBE SAMPLE COLLECTION METHODS

A soil probe (Geoprobe® or other) unit consists of a hydraulic ram with a hydraulic hammer, the sampling probe and driving rods. The sampling probe is a one-inch diameter stainless steel tube into which a disposable polyethylene liner is inserted prior to each sampling event. The sampler is then driven into the ground using the hydraulic ram or, when the hydraulic ram cannot exert enough pressure to continue to push the sampler into the ground, the hammer.

Prior to driving the sampler into the ground and between each sampling event, the stainless steel tube was washed in a solution of water and Alconox®. The sampler was rinsed in clean water. A new, clean plastic sleeve was inserted for each sampling event. The plastic sleeves are disposable and not intended for reuse.

After the sampler penetrated the ground to the appropriate depth, the nose plug was removed and the sampler was pushed/hammered an additional two feet into the ground (undisturbed soil collection procedures). Upon advancing the sampler two feet (one-inch sampler) or four feet (two-inch sampler), the entire sampler, with the plastic sleeve intact, was withdrawn. The plastic sleeve was then provided to the on-site geologist or scientist for soil classification and sample containerization.

HOLLOW STEM AUGER SOIL SAMPLE COLLECTION METHODS

Soil samples were collected from boreholes that were advanced using a truck mounted drill rig equipped with hollow stem augers through the use of a split-spoon sampling device. Once the hollow stem augers have advanced to the desired sampling depth, the 1.5 to 2-inch diameter split-spoon is attached to the end of the driving rods and hammered (manual or automatic) through the center of the augers, ahead of the auger drill head, to the length of the split-spoon device (typically two or four feet in length). The split-spoon and driving rods are then removed from within the hollow stem augers to retrieve the soil sample. The sample is removed from the split-spoon by unscrewing the end cap and separating ("splitting") the two halves of the sample barrel. The soil sample was then provided to the on-site geologist or scientist for soil classification and sample containerization.

Prior to driving the sampler into the ground and between each sampling event, the split-spoon sampling device was washed in a solution of water and Alconox®. The sampler was then rinsed in clean water.

SOIL SAMPLE IDENTIFICATION, COLLECTION FOR LABORATORY ANALYSIS AND HANDLING

Following retrieval of the soil sample from the sampling device, a section of sample intended for laboratory analysis was contained. A portion of the sample was immediately transferred to laboratory-provided containers, field preserved (if appropriate), labeled, placed in a plastic bag, sealed and stored in an insulated container pending shipment to the laboratory.

The remaining sample was classified in accordance with ASTM method D-2487, with reference to method D-2488 (as appropriate). The descriptions may include information pertaining to soil type (Unified Soil Classification System code), grain size distribution, gradation, color (Munsell notation or other), odor, moisture content, consistency, grain shape, lithology and other content, structure, mottling and layering, as appropriate. Upon completion of classification, this portion of the sample was deposited in an appropriate container pending disposal.

The samples to be analyzed in the laboratory for volatile organic compounds (VOCs; SW-846 Method 8260) were transferred to laboratory-provided 60-mL glass jars with Teflon® septa. Twenty-five to 35 grams of soil was placed in the jars and preserved in the field with laboratory-provided purge-and-trap grade methanol. The jars were then securely sealed, labeled with the sample identification, date of collection and intended analysis. The selected sample containers were then placed in resealable plastic bags and stored on ice in an insulated container.

The samples were then transported to WDNR certified laboratory. All sampling locations and procedures were documented in a bound field notebook used to record daily activities at the Site.

SAMPLE CUSTODY PROCEDURES

Sample custody procedures are designed to comply with U.S. EPA and National Enforcement Investigation Council (NEIC) requirements for sample control. Samples collected during a site investigation are the responsibility of identified persons from the time they were collected until they or their derived data are incorporated into the final report. Stringent chain-of-custody procedures were followed to maintain and document sample possession.

Chain-of-custody forms were competed to the fullest extent possible prior to sample shipment. They included the following information:

- Sample identification;
- Date collected;
- Source of sample (including type of sample and site identification);
- Requested analyses and preservatives;
- Sampler name.

The forms were filled out in a legible manner using waterproof ink and were signed by the sampler. Similar information was provided on the sample label, which was securely attached to the sample bottle. A chain-of-custody record always accompanied samples. When transferring samples, the

individuals relinquishing and receiving them signed, dated and noted the time on the record. A separate custody record accompanied each sample container. A copy of the custody record was retained by the field sampler and filed upon return to the office.

PHOTOIONIZATION DETECTOR SOIL SAMPLE SCREENING

Soil samples were screened using a Thermo Environmental OVA 580 photoionization detector (PID). The PID is equipped with a 10.6 electron volt electrodeless discharge lamp and was calibrated using 100 ppm isobutylene in air span gas. The PID was calibrated in the field at least daily prior to daily use.

The soil samples were contained in sealed plastic bags and allowed to warm to approximately 70°F. The bag was opened enough for the probe of the PID to be inserted and the bag resealed around the probe. The PID remained within the sample bag until the readings became steady or consistently declined. Peak PID readings were recorded for each sample. The readings were recorded in instrument units (IU), which are equivalent to ppm, based on the lamp energy and calibration.

DECONTAMINATION PROCEDURES

All down-hole equipment used for drilling and soil probing was steam cleaned and/or scrubbed using an Alconox® or trisodium phosphate solution and rinsed with potable water between sampling locations. A clean pair of nitrile or latex gloves were used during collection of each sample to minimize the potential for cross-contamination of samples.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Bostik Findley- Center Street Facility		GP-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental Services	6/15/2004	6/15/2004	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		GP-1	Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☒) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of NE 1/4 of Section 13, T 7 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Milwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 UNDIS	60 30		1.5	Concrete Surface with gravel base material										
			3.0	No Recovery				<1						Sampled @ 3'
			4.5	Clay, little silt, trace gravel, dry, brown mottled with yellow and dark brown, no odor	CL-ML			<1						
2 UNDIS	60 42		6.0	Sandy silt, few gravel, wet, brown, no odor	SM									
			7.5	Clay, with silt, moist, brown, no odor				<1						Sampled @ 8'
			9.0		CL-ML									
			10.5					<1						
3 UNDIS	60 60		12.0	Clay, some silt, soft (changing to hard with depth), moist, gray, no odor										
			13.5		CL-ML			<1						
			15.0					<1						Sampled @ 16'
				Silt, trace clay, wet, gray, no odor	ML									
				End of Boring at 16' bgs										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm ENSR Corporation
W239 N2890 Pewaukee Road Pewaukee, WI 53072
Tel: 262-523-2040
Fax: 262-523-2059

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Bostik Findley- Center Street Facility		GP-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental Services	6/15/2004	6/15/2004	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		GP-2	Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☒) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of NE 1/4 of Section 13, T 7 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Concrete Surface with gravel base material										
1 UNDIS	60 24		1.5	CLAY, little silt, sand and gravel, soft, moist, brown, mottled with dark brown, yellow, and orange, no odor										
			3.0					<1						Sampled @ 3'
			4.5					<1						
					CL-ML									
2 UNDIS	60 24		6.0	no recovery, one inch diameter granite rock likely pulgged sampling sleve										
			7.5											
			9.0					<1						Sampled @ 8'
			10.5	Silty Clay, moist, brown, no odor	CL-ML			<1						
3 UNDIS	60 52			Sandy silt, saturated, little clay, brownish tan, no odor	SM									
			12.0		SP									
				Fine grained sand, few silt, wet, greyish black, no odor	Shale									
			13.5	Shale pieces (large, <1" across) few gravel, grayish black, no odor, dry				<1						
				Silt, some clay, few to little shale and sand, dry, grey, no odor	CL-ML									
			15.0					<1						Sampled @ 16'
				End of Boring @ 16' bgs										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: ENSR Corporation
W239 N2890 Pewaukee Road Pewaukee, WI 53072
Tel: 262-523-2040
Fax: 262-523-2059

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Bostik Findley- Center Street Facility		GP-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental Services	6/15/2004	6/15/2004	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		GP-3	Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☒) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of NE 1/4 of Section 13, T 7 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Milwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 UNDIS	60 / 30		1.5	Concrete Surface with gravel base material										
				Black coarse fill (asphalt like), no odor										
				Sand and gravel fill										
			3.0	Clay, little to some silt, soft, dark brown mottled with light brown, orange and red, no odor	CL-ML			<1						Sampled @ 3'
			4.5					<1						
2 UNDIS	60 / 48		6.0	Clay and silt, hard, dry, trace fine gravel/shale, brown, no odor										
			7.5					<1						Sampled @ 8'
			9.0											
			10.5	softer with depth	CL-ML			<1						
3 UNDIS	60 / 60		12.0											
			13.5					<1						
			15.0					<1						Sampled @ 16'
				Silt, trace clay, soft, moist to wet, gray, no odor	ML									
				End of Boring at 16' bgs.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm ENSR Corporation
W239 N2890 Pewaukee Road Pewaukee, WI 53072
Tel: 262-523-2040
Fax: 262-523-2059

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Bostik Findley- Center Street Facility		GP-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental Services	6/15/2004	6/15/2004	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		GP-4	Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☒) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of NE 1/4 of Section 13, T 7 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Milwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	Concrete surface and base fill material										
1 UNDIS	60 36		1.5	Clay, little to some silt, dry to moist, brown, no odor	CL-ML			<1						Sampled @ 3'
			3.0											
			4.5					<1						
2 UNDIS	60 48		6.0	Clay, little silt, hard, dry to moist, tanish orange, no odor	CL-ML									
			7.5					<1						Sampled @ 8'
			9.0	Clay, little silt, hard, trace gravel/shale, moist, brown, no odor	CL-ML									
			10.5	Clay with silt and sand, saturated, brown, no odor	CL/SM			<1						
3 UNDIS	60 60		12.0	Clay, little silt, few shale/gravel, light brown, no odor										
			13.5		CL			<1						
			15.0					<1						Sampled @ 16'
				End of Boring at 16' bgs										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 262-523-2040
	ENSR Corporation W239 N2890 Pewaukee Road Pewaukee, WI 53072	Fax: 262-523-2059

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Bostik Findley- Center Street Facility		GP-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental Services	6/15/2004	6/15/2004	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		GP-5	Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☒) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of NE 1/4 of Section 13, T 7 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	Concrete Surface with gravel base material										
1 UNDIS	60 24		1.5	CLAY, little silt, hard, moist, brown, no odor	CL-ML			<1						Sampled @ 3'
			3.0											
			4.5	no recovery				<1						
2 UNDIS	60 36		6.0	sluff gravel base material										
			7.5	Clay, some silt, hard, dry, no odor	CL-ML									
			9.0	silty sand, wet, brown, no odor	SM			<1						Sampled @ 8'
			10.5	Silty Clay, soft, moist, brown, no odor	CL-ML			<1						
3 UNDIS	60 54		12.0	Slugg gravel base material										
			13.5	Silty Clay, soft (harder with depth), very mosit, trace to few fine gravel, brown mottled with dark brown, no odor	CL-ML			<1						
			15.0	Gravel with sand, gray and black, dry, no odor	GPS			<1						Sampled @ 16'
				End of Boring @ 16' bgs										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm ENSR Corporation
W239 N2890 Pewaukee Road Pewaukee, WI 53072
Tel: 262-523-2040
Fax: 262-523-2059

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Bostik Findley- Center Street Facility		GP-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Scott Soils & Engineering	7/30/2004	7/30/2004	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		GP-7	Feet MSL	Feet MSL	4.0 inches

Local Grid Origin ☒ (estimated: ☒) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of NE 1/4 of Section 13, T 7 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Milwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	Concrete Surface										
1 SS	24 6		1.5	Silty Clay, soft, trace fine gravel, moist, brown mottled with light brown,	CL-ML			<1						
2 SS	24 10		3.0	SEAM: Gravel with little sand	GP			<1						
3 SS	24 20		4.5	Silty Clay, soft, few fine gravel, moist, dark brown mottled with rust color,	CL-ML			<1						
4 SS	24 24		6.0	SEAM: Sand and Gravel with few fines	GP									
			7.5	Silty Clay, hard, few fine gravel, moist, dark brown mottled with rust color,	CL-ML			<1						
5 SS	24 24		9.0	Silty Clay, soft, trace fine gravel, moist, dark brown mottled with rust color,	CL-ML			<1						
6 SS	24 24		10.5	Silt, trace clay, gray, moist	ML			<1						
			12.0	Silt, little .clay, gray, moist	ML									
7 SS	24 12		13.5	Silty Clay, few fine gravel, brown, slightly mosit	CL-ML			<1						
				rock	GP									
8 SS	24 12		15.0	Silty Clay, trace fine sand, brown, varies from wet to dry	CL-ML			<1						
			16.5											
9 SS	24 20		18.0		MLS			<1						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: ENSR Corporation
W239 N2890 Pewaukee Road Pewaukee, WI 53072
Tel: 262-523-2040
Fax: 262-523-2059

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GP-7 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			19.5	Silty fine sand, trace clay, trace fine gravel, gray, dry										
10 SS	24 24				MLS			<1						
			21.0											
11 SS	24 24							<1						
			22.5											
12 SS	24 24			Silty fine sand, trace clay, few fine gravel, gray, dry				<1						
			24.0											
13 SS	24 24		25.5		MLS			<1						
			27.0											
14 SS	24 24							<1						
			28.5											
15 SS	24 24		30.0	Silty fine sand, trace clay, trace fine gravel, gray, dry	MLS			<1						
16 SS	24 22		31.5	Silty fine sand, trace clay, gray, dry	MLS			<1						Sampled for VOCs at 33' bgs
			33.0	Refusal encountered at 33' 3"bgs. Stop drilling, collect sample										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Bostik Findley- Center Street Facility		GP-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Scott Soils & Engineering	7/30/2004	7/30/2004	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		GP-8	Feet MSL	Feet MSL	4.0 inches

Local Grid Origin ☒ (estimated: ☒) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of NE 1/4 of Section 13, T 7 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Concrete Surface										
1 SS	24 12		1.5	Silty Clay, soft, trace fine gravel, moist, brown to dark brown to grayish, solvent odor				525						
2 SS	24 18		3.0		CL-ML			505						Sampled forTOC at 2' bgs
			4.5											
3 SS	24 22			SEAM: Gravel with some sand	GP			588						Sampled for TOC at 5' bgs
			6.0	Silty Clay, soft, trace fine gravel, moist, brownish gray to greenish, solvent odor	CL-ML									
				Silt, little clay, colvent odor	ML									
4 SS	24 0		7.5	No recovery				NA						
			9.0											
5 SS	24 3			Sand with gravel and fines, brown mottled with orange and dark brown, moist, solvent odor	SPG			436						
			10.5					3						
6 SS	24 24			Silty Clay, soft, moist, solvent odor	CL-ML			4						Sampled for TOC at 11' bgs
			12.0	Silty clay, hard, dry, no odor	CL-ML									
7 SS	24 22		13.5	No recovery				1.8						
			15.0											
8 SS	24 24			silty clay, few gravel, hard, dry, no odor				1.2						Sampled for TOC at 15' bgs
			16.5		CL-ML									
9 SS	24 16		18.0					<1						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm ENSR Corporation
W239 N2890 Pewaukee Road Pewaukee, WI 53072
Tel: 262-523-2040
Fax: 262-523-2059

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GP-8 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
				silty clay, few gravel, hard, dry, no odor										
10 SS	24 18		19.5					<1						
11 SS	24 12		21.0		CL-ML			<1						
			22.5											
12 SS	24 18		24.0					<1						
13 SS	24 24		25.5					<1						
				Silt, moist, gray, no odor										
14 SS	24 22		27.0					<1						
			28.5		ML									
15 SS	24 24		30.0					<1						Sampled for VOCs at 31' bgs
				Refusal encountered at 31' 2"bgs. Stop drilling, collect sample.										

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Milwaukee

SE 1/4 of NE 1/4 of Sec. 13 ; T. 7 N; R. 21 ☒ E ☐ W

(If Applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name:

Street Address of Well: 2930 W. Center Street

City, Village: Milwaukee

(2) FACILITY NAME Bostik Findley- Center Street Facility

Original Well Owner (If Known): Bostik Findley

Present Well Owner: Bostik Findley

Street or Route: 2930 W. Center Street

City, State, Zip Code: Milaukee, WI

Facility Well No. and/or Name (If Applicable): GP-1

WI Unique Well No.:

Reason For Abandonment: Soil Test Boring Only

Date of Abandonment: 6/15/04

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 6/15/2004

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) _____ (From ground surface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) _____

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: not applicable

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Concrete Patch	Surface	0.3		
3/8" Chipped Bentonite	0.3	2.0		
Soil Spoils	2.0	16.0		

(8) Comments

(9) Name of Person or Firm Doing Sealing Work: ENSR International, Inc

Signature of Person Doing Work

Date Signed: 8/5/04

Street or Route: W239 N2890 Pewaukee Rd.

Telephone Number: 262-523-2040

City, State, Zip Code: Pewaukee, WI 53072

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Milwaukee

SE 1/4 of NE 1/4 of Sec. 13 ; T. 7 N; R. 21 ☒ E ☐ W

(If Applicable) Gov't Lot _____ Grid Number _____

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 2930 W. Center Street

City, Village: Milwaukee

(2) FACILITY NAME Bostik Findley- Center Street Facility

Original Well Owner (If Known): Bostik Findley

Present Well Owner: Bostik Findley

Street or Route: 2930 W. Center Street

City, State, Zip Code: Milaukee, WI

Facility Well No. and/or Name (If Applicable): GP-2

WI Unique Well No.

Reason For Abandonment: Soil Test Boring Only

Date of Abandonment: 6/15/04

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 6/15/2004

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) _____ (From ground surface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) _____

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: not applicable

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Concrete Patch	Surface	0.3		
3/8" Chipped Bentonite	0.3	2.0		
Soil Spoils	2.0	16.0		

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: ENSR International, Inc

Signature of Person Doing Work

Date Signed: 8/3/04

Street or Route: W239 N2890 Pewaukee Rd.

Telephone Number: 262-523-2040

City, State, Zip Code: Pewaukee, WI 53072

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Milwaukee

SE 1/4 of NE 1/4 of Sec. 13 ; T. 7 N; R. 21 ☒ E ☐ W

(If Applicable) Gov't Lot _____ Grid Number _____

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 2930 W. Center Street

City, Village: Milwaukee

(2) FACILITY NAME Bostik Findley- Center Street Facility

Original Well Owner (If Known): Bostik Findley

Present Well Owner: Bostik Findley

Street or Route: 2930 W. Center Street

City, State, Zip Code: Milaukee, WI

Facility Well No. and/or Name (If Applicable): GP-3

WI Unique Well No.

Reason For Abandonment: Soil Test Boring Only

Date of Abandonment: 6/15/04

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 6/15/2004

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From ground surface) _____ Casing Diameter (in.) _____ Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) _____

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: not applicable

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Concrete Patch	Surface	0.3		
3/8" Chipped Bentonite	0.3	2.0		
Soil Spoils	2.0	16.0		

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: ENSR International, Inc

Signature of Person Doing Work: [signature] Date Signed: 8/5/04

Street or Route: W239 N2890 Pewaukee Rd. Telephone Number: 262-523-2040

City, State, Zip Code: Pewaukee, WI 53072

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Milwaukee

SE 1/4 of NE 1/4 of Sec. 13 ; T. 7 N; R. 21 ☒ E ☐ W

(If Applicable) Gov't Lot _____ Grid Number _____

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name:

Street Address of Well: 2930 W. Center Street

City, Village: Milwaukee

(2) FACILITY NAME Bostik Findley- Center Street Facility

Original Well Owner (If Known): Bostik Findley

Present Well Owner: Bostik Findley

Street or Route: 2930 W. Center Street

City, State, Zip Code: Milaukee, WI

Facility Well No. and/or Name (If Applicable): GP-4

WI Unique Well No.:

Reason For Abandonment: Soil Test Boring Only

Date of Abandonment: 6/15/04

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 6/15/2004

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From ground surface) _____ Casing Diameter (in.) _____ Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) _____

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: not applicable

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Concrete Patch	Surface	0.3		
3/8" Chipped Bentonite	0.3	2.0		
Soil Spoils	2.0	16.0		

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: ENSR International, Inc

Signature of Person Doing Work: [signature] Date Signed: 8/3/04

Street or Route: W239 N2890 Pewaukee Rd. Telephone Number: 262-523-2040

City, State, Zip Code: Pewaukee, WI 53072

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Milwaukee

SE 1/4 of NE 1/4 of Sec. 13 ; T. 7 N; R. 21 ☒ E ☐ W

(If Applicable) Gov't Lot _____ Grid Number _____

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 2930 W. Center Street

City, Village: Milwaukee

(2) FACILITY NAME Bostik Findley- Center Street Facility

Original Well Owner (If Known): Bostik Findley

Present Well Owner: Bostik Findley

Street or Route: 2930 W. Center Street

City, State, Zip Code: Milaukee, WI

Facility Well No. and/or Name (If Applicable): GP-5

WI Unique Well No.:

Reason For Abandonment: Soil Test Boring Only

Date of Abandonment: 6/15/04

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 6/15/2004

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) _____ (From ground surface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) _____

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: not applicable

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Concrete Patch	Surface	0.3		
3/8" Chipped Bentonite	0.3	2.0		
Soil Spoils	2.0	16.0		

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: ENSR International, Inc

Signature of Person Doing Work: [signature] Date Signed: 8/5/04

Street or Route: W239 N2890 Pewaukee Rd. Telephone Number: 262-523-2040

City, State, Zip Code: Pewaukee, WI 53072

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Milwaukee

SE 1/4 of NE 1/4 of Sec. 13 ; T. 7 N; R. 21 ☒ E ☐ W

(If Applicable)

_____ Gov't Lot _____ Grid Number

Grid Location

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 2930 W. Center Street

City, Village: Milwaukee

(2) FACILITY NAME Bostik Findley- Center Street Facility

Original Well Owner (If Known): Bostik Findley

Present Well Owner: Bostik Findley

Street or Route: 2930 W. Center Street

City, State, Zip Code: Milaukee, WI

Facility Well No. and/or Name (If Applicable): GP-7

WI Unique Well No.:

Reason For Abandonment: Soil Test Boring Only

Date of Abandonment: 7/30/04

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On
(Date) 7/30/2004

☐ Monitoring Well
☐ Water Well
☒ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From ground surface) _____
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 4.3

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) _____

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: not applicable

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Concrete Patch	Surface	0.4		
3/8" Chipped Bentonite	0.4	33.0		

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: ENSR International, Inc

Signature of Person Doing Work

Date Signed: 8/3/04

Street or Route: W239 N2890 Pewaukee Rd.

Telephone Number: 262-523-2040

City, State, Zip Code: Pewaukee, WI 53072

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Milwaukee

SE 1/4 of NE 1/4 of Sec. 13 ; T. 7 N; R. 21 ☒ E ☐ W

(If Applicable) Gov't Lot _____ Grid Number _____

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 2930 W. Center Street

City, Village: Milwaukee

(2) FACILITY NAME Bostik Findley- Center Street Facility

Original Well Owner (If Known): Bostik Findley

Present Well Owner: Bostik Findley

Street or Route: 2930 W. Center Street

City, State, Zip Code: Milaukee, WI

Facility Well No. and/or Name (If Applicable): GP-8

WI Unique Well No.

Reason For Abandonment: Soil Test Boring Only

Date of Abandonment: 7/30/04

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 7/30/2004

☐ Monitoring Well
☐ Water Well
☒ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From ground surface) _____ Casing Diameter (in.) _____ Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 4.3

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) _____

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: not applicable

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Concrete Patch	Surface	0.4		
3/8" Chipped Bentonite	0.4	31.0		

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: ENSR International, Inc

Signature of Person Doing Work: [signature] Date Signed: 8/3/04

Street or Route: W239 N2890 Pewaukee Rd.

Telephone Number: 262-523-2040

City, State, Zip Code: Pewaukee, WI 53072

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

ENCHEM INC.

Corporate Office & Laboratory
1241 Bellevue Street, Suite 9, Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827
www.enchem.com

Analytical Report Number: 847754

Client: ENSR-WI
Project Name: BOSTIK-CENTER ST.
Project Number: 009630230002

Lab Contact: Laurie Woelfel

Lab Sample Number	Field ID	Matrix	Collection Date
847754-001	GP-4 (3)	SOIL	06/15/04
847754-002	GP-4 (8)	SOIL	06/15/04
847754-003	GP-4 (16)	SOIL	06/15/04
847754-004	GP-5 (3)	SOIL	06/15/04
847754-007	GP-3 (3)	SOIL	06/15/04
847754-010	GP-1 (3)	SOIL	06/15/04
847754-013	GP-2 (3)	SOIL	06/15/04
847754-016	GP-6 (1)	SOIL	06/15/04
847754-017	TRIP BLANK	METH	06/15/04
847754-018	FIELD BLANK	METH	06/15/04
847754-019	DUP-1	SOIL	06/15/04
847754-021	DUP-3	SOIL	06/15/04

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. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.

Laurie Woelfel
Approval Signature

6/25/04
Date

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-4 (3)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Arsenic	9.2	0.14	0.47		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Barium	98	0.12	0.38		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Cadmium	0.34	0.093	0.31		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Chromium	23	0.17	0.57		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Lead	15	0.095	0.32		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Mercury	0.084	0.0019	0.0062		1	mg/Kg		06/22/04	SW846 7471A	SW846 7471A
Selenium	< 0.44	0.44	1.5		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Silver	0.050	0.028	0.092		5	mg/Kg	Q	06/23/04	SW846 3050B	SW846 6020
Percent Solids	80.0				1	%		06/18/04	SM 2540G M	SM 2540G M

VOLATILES

Prep Date: 06/18/04

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		06/21/04	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/kg	&	06/21/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	74	31	75		50	ug/kg	Q	06/21/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-4 (3)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-001

VOLATILES

Prep Date: 06/18/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Dibromomethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Ethylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Isopropylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methylene Chloride	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Naphthalene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
N-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
n-Propylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Styrene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Tetrachloroethene		850	31	75		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Toluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Trichloroethene		36	31	75		50	ug/kg	Q	06/21/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylene, o	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylenes, m + p	<	50	50	120		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		100				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Toluene-d8		102				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		108				1	%Recov		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-4 (8)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-002

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	81.4				1	%		06/18/04	SM 2540G M	SM 2540G M

VOLATILES

Prep Date: 06/23/04

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		06/23/04	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-4 (8)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-002

VOLATILES

Prep Date: 06/23/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methyl-tert-butyl-ether	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Naphthalene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
N-Butylbenzene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
n-Propylbenzene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Styrene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Tetrachloroethene		1000	31	74		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Toluene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Trichloroethene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Xylene, o	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Xylenes, m + p	<	50	50	120		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		97				1	%Recov		06/23/04	SW846 5030B	SW846 8260B
Toluene-d8		100				1	%Recov		06/23/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		104				1	%Recov		06/23/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-4 (16)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-003

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	91.8				1	%		06/18/04	SM 2540G M	SM 2540G M

VOLATILES

Prep Date: 06/23/04

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		06/23/04	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-4 (16)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-003

VOLATILES

Prep Date: 06/23/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methyl-tert-butyl-ether	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Naphthalene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
N-Butylbenzene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
n-Propylbenzene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Styrene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Tetrachloroethene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Toluene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Trichloroethene	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Xylene, o	<	25	25	60		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
Xylenes, m + p	<	50	50	120		50	ug/kg		06/23/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		90				1	%Recov		06/23/04	SW846 5030B	SW846 8260B
Toluene-d8		92				1	%Recov		06/23/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		104				1	%Recov		06/23/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-5 (3)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-004

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Arsenic	12	0.13	0.45		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Barium	140	0.11	0.37		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Cadmium	0.38	0.089	0.30		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Chromium	22	0.16	0.55		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Lead	13	0.091	0.30		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Mercury	0.036	0.0018	0.0060		1	mg/Kg		06/22/04	SW846 7471A	SW846 7471A
Selenium	< 0.42	0.42	1.4		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Silver	0.072	0.026	0.088		5	mg/Kg	Q	06/23/04	SW846 3050B	SW846 6020
Percent Solids	83.2				1	%		06/18/04	SM 2540G M	SM 2540G M

VOLATILES

Prep Date: 06/18/04

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		06/21/04	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/kg	&	06/21/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-5 (3)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-004

VOLATILES

Prep Date: 06/18/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Dibromomethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Ethylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Isopropylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methylene Chloride	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Naphthalene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
N-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
n-Propylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Styrene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Tetrachloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Toluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Trichloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylene, o	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylenes, m + p	<	50	50	120		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		86				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Toluene-d8		88				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		96				1	%Recov		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-3 (3)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-007

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Arsenic	5.6	0.13	0.43		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Barium	65	0.11	0.35		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Cadmium	0.41	0.085	0.28		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Chromium	17	0.16	0.52		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Lead	19	0.087	0.29		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Mercury	0.020	0.0017	0.0057		1	mg/Kg		06/22/04	SW846 7471A	SW846 7471A
Selenium	0.90	0.40	1.3		5	mg/Kg	Q	06/23/04	SW846 3050B	SW846 6020
Silver	0.051	0.025	0.084		5	mg/Kg	Q	06/23/04	SW846 3050B	SW846 6020
Percent Solids	87.0				1	%		06/18/04	SM 2540G M	SM 2540G M

VOLATILES

Prep Date: 06/18/04

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		06/21/04	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/kg	&	06/21/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-3 (3)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-007

VOLATILES

Prep Date: 06/18/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Dibromomethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Ethylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Isopropylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methylene Chloride	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Naphthalene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
N-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
n-Propylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Styrene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Tetrachloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Toluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Trichloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylene, o	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylenes, m + p	<	50	50	120		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		95				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Toluene-d8		94				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		101				1	%Recov		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-1 (3)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-010

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Arsenic	5.4	0.13	0.43		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Barium	69	0.11	0.35		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Cadmium	0.51	0.086	0.29		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Chromium	20	0.16	0.53		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Lead	19	0.088	0.29		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Mercury	0.049	0.0017	0.0058		1	mg/Kg		06/22/04	SW846 7471A	SW846 7471A
Selenium	0.53	0.40	1.3		5	mg/Kg	Q	06/23/04	SW846 3050B	SW846 6020
Silver	0.046	0.025	0.085		5	mg/Kg	Q	06/23/04	SW846 3050B	SW846 6020
Percent Solids	86.0				1	%		06/18/04	SM 2540G M	SM 2540G M

VOLATILES

Prep Date: 06/18/04

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		06/21/04	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/kg	&	06/21/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-1 (3)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-010

VOLATILES

Prep Date: 06/18/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Dibromomethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Ethylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Isopropylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methylene Chloride	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Naphthalene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
N-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
n-Propylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Styrene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Tetrachloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Toluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Trichloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylene, o	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylenes, m + p	<	50	50	120		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		86				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Toluene-d8		89				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		95				1	%Recov		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-2 (3)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-013

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Arsenic	2.7	0.14	0.47		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Barium	100	0.12	0.38		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Cadmium	0.40	0.093	0.31		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Chromium	23	0.17	0.57		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Lead	15	0.095	0.32		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Mercury	0.075	0.0019	0.0063		1	mg/Kg		06/22/04	SW846 7471A	SW846 7471A
Selenium	< 0.44	0.44	1.5		5	mg/Kg		06/23/04	SW846 3050B	SW846 6020
Silver	0.069	0.028	0.092		5	mg/Kg	Q	06/23/04	SW846 3050B	SW846 6020
Percent Solids	79.4				1	%		06/18/04	SM 2540G M	SM 2540G M

VOLATILES

Prep Date: 06/18/04

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		06/21/04	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/kg	&	06/21/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-2 (3)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-013

VOLATILES

Prep Date: 06/18/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Dibromomethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Ethylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Isopropylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methylene Chloride	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Naphthalene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
N-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
n-Propylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Styrene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Tetrachloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Toluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Trichloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylene, o	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylenes, m + p	<	50	50	120		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		86				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Toluene-d8		86				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		92				1	%Recov		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-6 (1)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-016

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	83.1				1	%		06/18/04	SM 2540G M	SM 2540G M

DIESEL RANGE ORGANICS

Preservation Date: 06/17/04 Prep Date: 06/17/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Diesel Range Organics	7100			580	50	mg/kg		06/18/04	WI MOD DRO	WI MOD DRO
DRO Blank	< 5.0			5.0	1	mg/kg		06/18/04	WI MOD DRO	WI MOD DRO
DRO Blank Spike	91				1	%Recov		06/18/04	WI MOD DRO	WI MOD DRO
DRO Blank Spike Duplicate	92				1	%Recov		06/18/04	WI MOD DRO	WI MOD DRO

VOLATILES

Prep Date: 06/18/04

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		06/21/04	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/kg	&	06/21/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : GP-6 (1)

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-016

VOLATILES

Prep Date: 06/18/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Dichlorodifluoromethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Ethylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Isopropylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methylene Chloride	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Naphthalene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
N-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
n-Propylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Styrene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Tetrachloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Toluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Trichloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylene, o	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylenes, m + p	<	50	50	120		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		68				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Toluene-d8		70				1	%Recov	F	06/21/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		79				1	%Recov		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : TRIP BLANK

Matrix Type : METHANOL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-017

VOLATILES

Prep Date: 06/18/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/L	&	06/21/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : TRIP BLANK

Matrix Type : METHANOL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-017

VOLATILES

Prep Date: 06/18/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
p-Isopropyltoluene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Styrene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Tetrachloroethene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Toluene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Trichloroethene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Xylene, o	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Xylenes, m + p	<	50	50	120		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		100				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Toluene-d8		98				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		109				1	%Recov		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : FIELD BLANK

Matrix Type : METHANOL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-018

VOLATILES

Prep Date: 06/18/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/L	&	06/21/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : FIELD BLANK

Matrix Type : METHANOL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-018

VOLATILES

Prep Date: 06/18/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
p-Isopropyltoluene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Styrene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Tetrachloroethene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Toluene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Trichloroethene	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Xylene, o	<	25	25	60		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
Xylenes, m + p	<	50	50	120		50	ug/L		06/21/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		97				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Toluene-d8		95				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		103				1	%Recov		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : DUP-1

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-019

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	80.0				1	%		06/21/04	SM 2540G M	SM 2540G M

VOLATILES

Prep Date: 06/18/04

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		06/21/04	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromochloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromoform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/kg	&	06/21/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Dibromomethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : DUP-1

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-019

VOLATILES

Prep Date: 06/18/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methyl-tert-butyl-ether	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Naphthalene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
N-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
n-Propylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Styrene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Tetrachloroethene		110	31	75		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Toluene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Trichloroethene	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylene, o	<	25	25	60		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylenes, m + p	<	50	50	120		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		73				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Toluene-d8		74				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		80				1	%Recov		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : DUP-3

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-021

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	86.0				1	%		06/21/04	SM 2540G M	SM 2540G M

VOLATILES

Prep Date: 06/18/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Benzene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromobenzene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromochloromethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromoform	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Bromomethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloroform	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Chloromethane	< 29	29	69		50	ug/kg	&	06/21/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Dibromomethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Isopropylbenzene	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Analytical Report Number: 847754

Client : ENSR-WI
Project Name : BOSTIK-CENTER ST.
Project Number : 009630230002
Field ID : DUP-3

Matrix Type : SOIL
Collection Date : 06/15/04
Report Date : 06/24/04
Lab Sample Number : 847754-021

VOLATILES

Prep Date: 06/18/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methyl-tert-butyl-ether	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Naphthalene	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
N-Butylbenzene	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
n-Propylbenzene	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Styrene	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Tetrachloroethene	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Toluene	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Trichloroethene	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylene, o	<	29	29	69		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
Xylenes, m + p	<	57	57	140		50	ug/kg		06/21/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		78				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Toluene-d8		78				1	%Recov		06/21/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		83				1	%Recov		06/21/04	SW846 5030B	SW846 8260B

En Chem Inc.

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

Lab Number	TestGroupID	Field ID	Comment
847754-016	8260+-S-ME	GP-6 (1)	F - Surrogate was below control criteria. This was confirmed by a second analysis on 06/22/2004.
847754-016	DRO-S	GP-6 (1)	Late eluting peaks along with diesel range peaks were present in the chromatogram.
847754-016	DRO-S	GP-6 (1)	DRO response was not in the upper half of the curve due to the high concentration of late eluting hydrocarbons.
847754-019	W-TSC-S	DUP-1	% Solids reported from GP-4 (3) (847754-001) at client request.
847754-021	8260+-S-ME	DUP-3	Soil to Methanol ratio not at a 1:1 ratio for analysis (17.50g/20.00 mLs).
847754-021	8260+-S-ME	DUP-3	Sample was received in a bottle with an unknown weight. To obtain a weight, the sample was transferred to a different container prior to analysis.
847754-021	W-TSC-S	DUP-3	% Solids reported from GP-1 (3) (847754-010) at client request.

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.
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	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
J	Organic	Concentration detected is 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.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
<	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.

En Chem Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

1090 Kennedy Avenue
Kimberly, WI 54136

Test Group Name	847754-001	847754-002	847754-003	847754-004	847754-007	847754-010	847754-013	847754-016	847754-017	847754-018	847754-019	847754-021
ARSENIC	G			G	G	G	G					
BARIUM	G			G	G	G	G					
CADMIUM	G			G	G	G	G					
CHROMIUM	G			G	G	G	G					
DIESEL RANGE ORGANICS								G				
LEAD	G			G	G	G	G					
MERCURY	G			G	G	G	G					
PERCENT SOLIDS	G	G	G	G	G	G	G	G			G	G
SELENIUM	G			G	G	G	G					
SILVER	G			G	G	G	G					
VOLATILES	G	G	G	G	G	G	G	G	G	G	G	G

Wisconsin Certification	
G = En Chem Green Bay	405132750 / DATCP: 105 000444
K = En Chem Kimberly	445134030
S = En Chem Superior	Not Applicable
C = Subcontracted Analysis	

En Chem, Inc. Cooler Receipt Log

Batch No. 847754

Project Name or ID BOSTIK - CENTER ST No. of Coolers: 1 Temps: ROI

A. Receipt Phase: Date cooler was opened: 6-17-04 **By:** GD

1: Were samples received on ice? (Must be ≤ 6 C) ..... (YES) NO[2] NA

2. Was there a Temperature Blank? ..... (YES) NO

3: Were custody seals present and intact on cooler? (Record on COC) ..... YES (NO)

4: Are COC documents present? ..... (YES) NO[2]

5: Does this Project require quick turn around analysis? ..... YES (NO)

6: Is there any sub-work? ..... YES (NO)

7: Are there any short hold time tests? ..... ~~YES~~ GD (NO)

8: Are any samples nearing expiration of hold-time? (Within 2 days) ..... YES[1] (NO) Contacted by/Who_____

9: Do any samples need to be Filtered or Preserved in the lab? ..... YES[1] (NO) Contacted by/Who_____

B. Check-in Phase: Date samples were Checked-in: 6-17-04 **By:** GD

1: Were all sample containers listed on the COC received and intact? ..... (YES) NO[2] NA

2: Sign the COC as received by En Chem. Completed ..... (YES) NO

3: Do sample labels match the COC? ..... (YES) NO[2]

4: Completed pH check on preserved samples.. ..... YES NO (NA)
(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)

5: Do samples have correct chemical preservation? ..... (YES) NO[2] NA
(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)

6: Are dissolved parameters field filtered? ..... YES NO[2] (NA)

7: Are sample volumes adequate for tests requested? ..... (YES) NO[2]

8: Are VOC samples free of bubbles >6mm ..... YES NO[2] (NA)

9: Enter samples into logbook. Completed ..... (YES) NO

10: Place laboratory sample number on all containers and COC. Completed ..... (YES) NO

11: Complete Laboratory Tracking Sheet (LTS). Completed ..... YES NO (NA)

12: Start Nonconformance form. ..... (YES) NO NA

13: Initiate Subcontracting procedure. Completed ..... YES NO (NA)

14: Check laboratory sample number on all containers and COC. ..... KM (YES) NO NA

Short Hold-time tests:

24 Hours or less	48 Hours	7 days	Footnotes
Coliform	BOD	Ash	1 Notify proper lab group immediately.
Corrosivity = pH	Color	Aqueous Extractable Organics- ALL	2 Complete nonconformance memo.
Dissolved Oxygen	Nitrite or Nitrate	Flashpoint	
Hexavalent Chromium	Ortho Phosphorus	Free Liquids	
HPC	Surfactants	Sulfide	
Ferrous Iron	Turbidity	TDS	
Eh	En Core Preservation	TSS	
Odor	Power stop preservation	Total Solids	
Residual Chlorine		TVS	
Sulfite		TVSS	
		Unpreserved VOC's	

Rev. 2/05/04, Attachment to 1-REC-5.
Subject to QA Audit.

Reviewed by/date W 6/1/04

1 of 2

(Please Print Legibly)
Company Name: ENSR
Branch or Location: Milwaukee
Project Contact: Bill Looney
Telephone: 262-523-2040 x222
Project Number: 00916302300002
Project Name: Bostik Center St
Project State: WI
Sampled By (Print): Monica Lyons
PO #:

EN CHEM INC. ...chemistry for the environment.

1241 Bellevue St., Suite 9
Green Bay, WI 54302
920-469-2436
Fax 920-469-8827

CHAIN OF CUSTODY

119824

Page 1 of 2
Quote #:
Mail Report To: Bill Looney
Company: ENSR
Address: W239 N7890 Pewaukee Rd
Pewaukee, WI 53072
Invoice To: Bill Looney
Company: Same
Address:
Mail Invoice To:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Data Package Options - (please circle if requested)
Sample Results Only (no QC)
EPA Level II (Subject to Surcharge)
EPA Level III (Subject to Surcharge)
EPA Level IV (Subject to Surcharge)

Regulatory Program: UST, RCRA, SDWA, NPDES, CERCLA

Matrix Codes: W=Water, S=Soil, A=Air, C=Charcoal, B=Biota, Sl=Sludge

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	ANALYSES REQUESTED: VOC 8260B	PCB's 8082	Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver	Mercury 7471A	TOTAL # OF BOTTLES SENT	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
						F	A	A	A	A	A	A	A	A	A	A			
001	GP-4 (3)	6/11/04	915	S			X		X	X	X	X	X				1-2oz F	Hold	1-4oz Poly
002	GP-4 (8)		922															Hold	
003	GP-4 (16)		930															Hold	
004	GP-5 (3)		948																
Delete	~~005 GP-5 (8)~~		1000															Hold	
006	GP-5 (16)		1006															Hold	
007	GP-3 (3)		1025																
008	GP-3 (8)		1031															Hold	
009	GP-3 (16)		1035															Hold	
010	GP-1 (3)		1053																
011	GP-1 (8)		1056															Hold	
012	GP-1 (16)		1100															Hold	

Rush Turnaround Time Requested (TAT) - Prelim
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (circle): Phone Fax E-Mail
Phone #:
Fax #:
E-Mail Address: blooney@ensr.com

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
			6/16/04 1015
	6/16/04	B Kempen	6/16/04 1140
B Kempen	6/16/04 1510	Anne Anderson	6/16/04 1510

En Chem Project No. 847754
Sample Receipt Temp. ROI
Sample Receipt pH (Wet/Metals) NA
Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 4.0: 07/03

EN CHEM INC.
...chemistry for the environment.
1241 Bellevue St., Suite 9
Green Bay, WI 54302
920-469-2436
Fax 920-469-8827

CHAIN OF CUSTODY

No 119823

Page 2 of 2

(Please Print Legibly)
Company Name: ENSR
Branch or Location: Milwaukee
Project Contact: Bill Looney
Telephone: 262-523-2040 x222
Project Number: 07763023000.2
Project Name: Bostik - Center St
Project State: WI
Sampled By (Print): Monica Lyons
PO #:

Quote #:
Mail Report To:
Company:
Address:
Invoice To:
Company:
Address:
Mail Invoice To:

Data Package Options - (please circle if requested)
Sample Results Only (no QC)
EPA Level II (Subject to Surcharge)
EPA Level III (Subject to Surcharge)
EPA Level IV (Subject to Surcharge)

Regulatory Program: UST, RCRA, SDWA, NPDES, CERCLA

Matrix Codes: W=Water, S=Soil, A=Air, C=Charcoal, B=Biota, Sl=Sludge

*Preservation Codes: A=None, B=HCL, C=H2SO4, D=HNO3, E=EnCore, F=Methanol, G=NaOH, H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	ANALYSES REQUESTED: VOC 8260B	Arsenic, Barium, Cadmium, Chromium, Lead, Silver, Selenium 6010B	Mercury 7471A	DRO	TOTAL # OF BOTTLES SENT	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
013	GP-2(3)	6/15/04		S		F	X	X	X	X	2		1-2ozF 1-4ozPoly
014	GP-2(8)					A	X	X	X	X	2	Hold	
015	GP-2(16)					A	X	X	X	X	2	Hold	
016	GP-6(1)					A	X				3		1-4ozglassA
017	~~TRIP Blank~~	-	-				X				1	-20ml MeOH	
018	FIELD Blank	6/15/04					X				1	-2oz MeOH	
019	DUP-1			S			X				1	Dry Wt = GP-4(3)	1-2ozF
020	DUP-2			S				X			1	Hold	1-4ozPoly
021	DUP-3			S			X				1	Dry Wt = GP-1(3)	1-4ozglassF
022	DUP-4			S				X			1	Hold	1-4ozPoly

Rush Turnaround Time Requested (TAT) - Prelim
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (circle):
Phone Fax E-Mail
Phone #:
Fax #:
E-Mail Address: blooney@ensr.com

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
			6/16/04 1015
	6/16/04		6/16/04 1140
	6/16/04 1510		6/16/04 1510

En Chem Project No. 847754
Sample Receipt Temp. RT
Sample Receipt pH (Wet/Metals) NA
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 4.0: 07/03

TestAmerica
ANALYTICAL TESTING CORPORATION

WDNR No. 128053530
602 Commerce Drive • Watertown, WI 53094 • 920-261-1660 • 920-261-8120 Fax

ANALYTICAL REPORT

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

08/05/2004

Job No: 04.07683

The following samples were received by TestAmerica for analysis:

BOSTIK

Sample Number	Sample Description	Date Taken	Date Received
581938	GP-7 (33)	07/30/2004	07/31/2004
581939	GP-8	07/30/2004	07/31/2004
581940	Trip Blank	07/30/2004	07/31/2004
581997	GP-7 (33) Duplicate Analysis 581938	07/30/2004	08/03/2004
581998	GP-8 Duplicate Analysis 581939	07/30/2004	08/03/2004

Soil results reported
on a dry weight basis.

Brian D. DeJong
Organic Operations Manager

ENSR
Job No: 04.07683

08/05/2004

KEY TO DATA FLAGS

The attached sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time
B = Blank is contaminated
C = Standard outside of control limits
D = Diluted for analysis
E = TCLP extraction outside of method required temperature range
F = Sample filtered in lab
G = Received past hold time
H = Late eluting hydrocarbons present
I = Improperly handled sample
J = Estimated concentration
L = Common lab solvent
M = Matrix interference
P = Improperly preserved sample
Q = Result confirmed via re-analysis
S = Sediment present
T = Does not match typical pattern
W = BOD re-set due to missed dilution
X = Unidentified compound(s) present
Z = Internal standard outside limits
* = See Case Narrative

KEY TO ANALYST INITIALS

The attached sample(s) may have been analyzed by another certified laboratory. If a number appears in the Analyst Initials field, the following are the appropriate certifications (if the lab code does not appear below, that means that certification is not required for the work performed):

Lab Code	Certification Number
008	WDNR - 999766900
009	WDNR - 241293690
020	WDNR - 999447680
030	ILNELAC - 100230; WDNR - 998294430
060	ILNELAC - 100221; WDNR - 999447130
070	IA - 007; ILNELAC - 000668; MDH - 019-999-319; WDNR - 999917270
130	WDNR - 632021390
147	WDNR - 721026460
300	FLNELAC - 87358; IA - 131; MDH - 047-999-345; WDNR - 998020430
400	WDNR - 113133790
510	WDNR - 241249360
520	WDNR - 999518190; ILNELAC - 100439
700	WDNR - 113289110

TestAmerica Watertown Certifications: WI DNR - 128053530; IL NELAC - 100453; IA DNR - 294; MN DoH - 055-999-366; ND DoH R-046; AR DEQ - 88-0808

Unless sub-contracted (see above), volatiles analyses (including VOC, PVOC, GRO, BTEX and TPH Gasoline) performed by TestAmerica Watertown at 1101 Industrial Drive, Units 9&10. All other analyses performed at 602 Commerce Drive, Watertown WI 53094.

Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

For questions regarding this report, please contact Dan Milewsky or Warren Topel.

ANALYTICAL REPORT

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

08/05/2004
Job No: 04.07683
Sample No: 581938
Account No: 27123

JOB DESCRIPTION: BOSTIK
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: GP-7 (33)
Milwaukee, WI
Rec'd on ice

Date/Time Taken: 07/30/2004 11:30 Date Received: 07/31/2004

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Analyst	Prep/Run Batch
Solids, Total	91.8	%	n/a	SW 5035	08/02/2004	dwh	5699
VOC - METHANOL - 8260B							
Benzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Bromobenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Bromochloromethane	<41	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Bromodichloromethane	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Bromoform	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Bromomethane	<120	ug/kg	100	SW 8260B	08/02/2004	aba	2953
n-Butylbenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
sec-Butylbenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
tert-Butylbenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Carbon Tetrachloride	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Chlorobenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Chlorodibromomethane	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Chloroethane	<60	ug/kg	50	SW 8260B	08/02/2004	aba	2953
Chloroform	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Chloromethane	<60	ug/kg	50	SW 8260B	08/02/2004	aba	2953
2-Chlorotoluene	<60	ug/kg	50	SW 8260B	08/02/2004	aba	2953
4-Chlorotoluene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2-Dibromo-3-Chloropropane	<60	ug/kg	50	SW 8260B	08/02/2004	aba	2953
1,2-Dibromoethane (EDB)	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Dibromomethane	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2-Dichlorobenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,3-Dichlorobenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,4-Dichlorobenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Dichlorodifluoromethane	<60	ug/kg	50	SW 8260B	08/02/2004	aba	2953
1,1-Dichloroethane	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2-Dichloroethane	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1-Dichloroethene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
cis-1,2-Dichloroethene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
trans-1,2-Dichloroethene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2-Dichloropropane	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,3-Dichloropropane	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
2,2-Dichloropropane	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1-Dichloropropene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
cis-1,3-Dichloropropene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
trans-1,3-Dichloropropene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Di-isopropyl ether	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Ethylbenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953

ANALYTICAL REPORT

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

08/05/2004
Job No: 04.07683
Sample No: 581938
Account No: 27123
Page 4 of 19

JOB DESCRIPTION: BOSTIK
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: GP-7 (33)
Milwaukee, WI
Rec'd on ice

Date/Time Taken: 07/30/2004 11:30

Date Received: 07/31/2004

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Analyst	Prep/Run Batch
Hexachlorobutadiene	<41	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Isopropylbenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
p-Isopropyltoluene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Methylene Chloride	<60	ug/kg	50	SW 8260B	08/02/2004	aba	2953
Methyl-t-butyl ether	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Naphthalene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
n-Propylbenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Styrene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1,1,2-Tetrachloroethane	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1,2,2-Tetrachloroethane	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Tetrachloroethene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Toluene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2,3-Trichlorobenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2,4-Trichlorobenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1,1-Trichloroethane	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1,2-Trichloroethane	<41	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Trichloroethene	109	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Trichlorofluoromethane	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2,3-Trichloropropane	<120	ug/kg	100	SW 8260B	08/02/2004	aba	2953
1,2,4-Trimethylbenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,3,5-Trimethylbenzene	<31	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Vinyl Chloride	<41	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Xylenes, Total	<41	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Surr: Dibromofluoromethane	97	%	82-112	SW 8260B	08/02/2004	aba	2953
Surr: Toluene-d8	100	%	91-106	SW 8260B	08/02/2004	aba	2953
Surr: Bromofluorobenzene	104	%	89-110	SW 8260B	08/02/2004	aba	2953

TestAmerica
ANALYTICAL TESTING CORPORATION

WDNR No. 128053530
602 Commerce Drive • Watertown, WI 53094 • 920-261-1660 • 920-261-8120 Fax

ANALYTICAL REPORT

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

08/05/2004
Job No: 04.07683
Sample No: 581939
Account No: 27123

JOB DESCRIPTION: BOSTIK
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: GP-8
Milwaukee, WI
Rec'd on ice

Date/Time Taken: 07/30/2004 14:00 Date Received: 07/31/2004

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Analyst	Prep/Run Batch
Solids, Total	89.3	%	n/a	SW 5035	08/02/2004	dwh	5699
VOC - METHANOL - 8260B							
Benzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Bromobenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Bromochloromethane	<39	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Bromodichloromethane	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Bromoform	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Bromomethane	<112	ug/kg	100	SW 8260B	08/02/2004	aba	2953
n-Butylbenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
sec-Butylbenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
tert-Butylbenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Carbon Tetrachloride	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Chlorobenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Chlorodibromomethane	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Chloroethane	<56	ug/kg	50	SW 8260B	08/02/2004	aba	2953
Chloroform	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Chloromethane	<56	ug/kg	50	SW 8260B	08/02/2004	aba	2953
2-Chlorotoluene	<56	ug/kg	50	SW 8260B	08/02/2004	aba	2953
4-Chlorotoluene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2-Dibromo-3-Chloropropane	<56	ug/kg	50	SW 8260B	08/02/2004	aba	2953
1,2-Dibromoethane (EDB)	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Dibromomethane	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2-Dichlorobenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,3-Dichlorobenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,4-Dichlorobenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Dichlorodifluoromethane	<56	ug/kg	50	SW 8260B	08/02/2004	aba	2953
1,1-Dichloroethane	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2-Dichloroethane	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1-Dichloroethene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
cis-1,2-Dichloroethene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
trans-1,2-Dichloroethene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2-Dichloropropane	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,3-Dichloropropane	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
2,2-Dichloropropane	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1-Dichloropropene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
cis-1,3-Dichloropropene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
trans-1,3-Dichloropropene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Di-isopropyl ether	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Ethylbenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953

ANALYTICAL REPORT

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

08/05/2004
Job No: 04.07683
Sample No: 581939
Account No: 27123
Page 6 of 19

JOB DESCRIPTION: BOSTIK
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: GP-8
Milwaukee, WI
Rec'd on ice

Date/Time Taken: 07/30/2004 14:00

Date Received: 07/31/2004

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Analyst	Prep/Run Batch
Hexachlorobutadiene	<39	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Isopropylbenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
p-Isopropyltoluene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Methylene Chloride	<56	ug/kg	50	SW 8260B	08/02/2004	aba	2953
Methyl-t-butyl ether	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Naphthalene	30	ug/kg	25	SW 8260B	08/02/2004	aba	2953
n-Propylbenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Styrene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1,1,2-Tetrachloroethane	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1,2,2-Tetrachloroethane	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Tetrachloroethene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Toluene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2,3-Trichlorobenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2,4-Trichlorobenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1,1-Trichloroethane	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1,2-Trichloroethane	<39	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Trichloroethene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Trichlorofluoromethane	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2,3-Trichloropropane	<112	ug/kg	100	SW 8260B	08/02/2004	aba	2953
1,2,4-Trimethylbenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,3,5-Trimethylbenzene	<28	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Vinyl Chloride	<39	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Xylenes, Total	<39	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Surr: Dibromofluoromethane	99	%	82-112	SW 8260B	08/02/2004	aba	2953
Surr: Toluene-d8	103	%	91-106	SW 8260B	08/02/2004	aba	2953
Surr: Bromofluorobenzene	100	%	89-110	SW 8260B	08/02/2004	aba	2953

ANALYTICAL REPORT

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

08/05/2004
Job No: 04.07683
Sample No: 581940
Account No: 27123

JOB DESCRIPTION: BOSTIK
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: Trip Blank
Milwaukee, WI
Rec'd on ice

Date/Time Taken: 07/30/2004 UNKNOWN Date Received: 07/31/2004

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Analyst	Prep/Run Batch
VOC - METHANOL - 8260B							
Benzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Bromobenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Bromochloromethane	<35	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Bromodichloromethane	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Bromoform	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Bromomethane	<100	ug/kg	100	SW 8260B	08/02/2004	aba	2953
n-Butylbenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
sec-Butylbenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
tert-Butylbenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Carbon Tetrachloride	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Chlorobenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Chlorodibromomethane	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Chloroethane	<50	ug/kg	50	SW 8260B	08/02/2004	aba	2953
Chloroform	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Chloromethane	<50	ug/kg	50	SW 8260B	08/02/2004	aba	2953
2-Chlorotoluene	<50	ug/kg	50	SW 8260B	08/02/2004	aba	2953
4-Chlorotoluene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2-Dibromo-3-Chloropropane	<50	ug/kg	50	SW 8260B	08/02/2004	aba	2953
1,2-Dibromoethane (EDB)	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Dibromomethane	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2-Dichlorobenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,3-Dichlorobenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,4-Dichlorobenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Dichlorodifluoromethane	<50	ug/kg	50	SW 8260B	08/02/2004	aba	2953
1,1-Dichloroethane	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2-Dichloroethane	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1-Dichloroethene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
cis-1,2-Dichloroethene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
trans-1,2-Dichloroethene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2-Dichloropropane	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,3-Dichloropropane	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
2,2-Dichloropropane	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1-Dichloropropene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
cis-1,3-Dichloropropene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
trans-1,3-Dichloropropene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Di-isopropyl ether	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Ethylbenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Hexachlorobutadiene	<35	ug/kg	35	SW 8260B	08/02/2004	aba	2953

ANALYTICAL REPORT

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

08/05/2004
Job No: 04.07683
Sample No: 581940
Account No: 27123
Page 8 of 19

JOB DESCRIPTION: BOSTIK
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: Trip Blank
Milwaukee, WI
Rec'd on ice

Date/Time Taken: 07/30/2004 UNKNOWN Date Received: 07/31/2004

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Analyst	Prep/Run Batch
Isopropylbenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
p-Isopropyltoluene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Methylene Chloride	<50	ug/kg	50	SW 8260B	08/02/2004	aba	2953
Methyl-t-butyl ether	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Naphthalene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
n-Propylbenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Styrene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1,1,2-Tetrachloroethane	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1,2,2-Tetrachloroethane	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Tetrachloroethene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Toluene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2,3-Trichlorobenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2,4-Trichlorobenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1,1-Trichloroethane	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,1,2-Trichloroethane	<35	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Trichloroethene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Trichlorofluoromethane	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,2,3-Trichloropropane	<100	ug/kg	100	SW 8260B	08/02/2004	aba	2953
1,2,4-Trimethylbenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
1,3,5-Trimethylbenzene	<25	ug/kg	25	SW 8260B	08/02/2004	aba	2953
Vinyl Chloride	<35	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Xylenes, Total	<35	ug/kg	35	SW 8260B	08/02/2004	aba	2953
Surr: Dibromofluoromethane	98	%	82-112	SW 8260B	08/02/2004	aba	2953
Surr: Toluene-d8	98	%	91-106	SW 8260B	08/02/2004	aba	2953
Surr: Bromofluorobenzene	104	%	89-110	SW 8260B	08/02/2004	aba	2953

ANALYTICAL REPORT

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

08/05/2004
Job No: 04.07683
Sample No: 581997
Account No: 27123
Page 9 of 19

JOB DESCRIPTION: BOSTIK
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: GP-7 (33) Duplicate Analysis 581938
Milwaukee, WI
Rec'd on ice

Date/Time Taken: 07/30/2004 11:30 Date Received: 08/03/2004

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Analyst	Prep/Run Batch
Solids, Total	91.8	%	n/a	SW 5035	08/02/2004	dfm	5699
VOC - METHANOL - 8260B							
Benzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Bromobenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Bromochloromethane	<41	ug/kg	35	SW 8260B	08/04/2004	aba	2963
Bromodichloromethane	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Bromoform	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Bromomethane	<120	ug/kg	100	SW 8260B	08/04/2004	aba	2963
n-Butylbenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
sec-Butylbenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
tert-Butylbenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Carbon Tetrachloride	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Chlorobenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Chlorodibromomethane	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Chloroethane	<60	ug/kg	50	SW 8260B	08/04/2004	aba	2963
Chloroform	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Chloromethane	<60	ug/kg	50	SW 8260B	08/04/2004	aba	2963
2-Chlorotoluene	<60	ug/kg	50	SW 8260B	08/04/2004	aba	2963
4-Chlorotoluene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2-Dibromo-3-Chloropropane	<60	ug/kg	50	SW 8260B	08/04/2004	aba	2963
1,2-Dibromoethane (EDB)	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Dibromomethane	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2-Dichlorobenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,3-Dichlorobenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,4-Dichlorobenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Dichlorodifluoromethane	<60	ug/kg	50	SW 8260B	08/04/2004	aba	2963
1,1-Dichloroethane	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2-Dichloroethane	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,1-Dichloroethene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
cis-1,2-Dichloroethene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
trans-1,2-Dichloroethene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2-Dichloropropane	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,3-Dichloropropane	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
2,2-Dichloropropane	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,1-Dichloropropene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
cis-1,3-Dichloropropene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
trans-1,3-Dichloropropene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Di-isopropyl ether	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Ethylbenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963

ANALYTICAL REPORT

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

08/05/2004
Job No: 04.07683
Sample No: 581997
Account No: 27123
Page 10 of 19

JOB DESCRIPTION: BOSTIK
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: GP-7 (33) Duplicate Analysis 581938
Milwaukee, WI
Rec'd on ice

Date/Time Taken: 07/30/2004 11:30 Date Received: 08/03/2004

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Analyst	Prep/Run Batch
Hexachlorobutadiene	<41	ug/kg	35	SW 8260B	08/04/2004	aba	2963
Isopropylbenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
p-Isopropyltoluene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Methylene Chloride	<60	ug/kg	50	SW 8260B	08/04/2004	aba	2963
Methyl-t-butyl ether	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Naphthalene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
n-Propylbenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Styrene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,1,1,2-Tetrachloroethane	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,1,2,2-Tetrachloroethane	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Tetrachloroethene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Toluene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2,3-Trichlorobenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2,4-Trichlorobenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,1,1-Trichloroethane	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,1,2-Trichloroethane	<41	ug/kg	35	SW 8260B	08/04/2004	aba	2963
Trichloroethene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Trichlorofluoromethane	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2,3-Trichloropropane	<120	ug/kg	100	SW 8260B	08/04/2004	aba	2963
1,2,4-Trimethylbenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,3,5-Trimethylbenzene	<31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Vinyl Chloride	<41	ug/kg	35	SW 8260B	08/04/2004	aba	2963
Xylenes, Total	<41	ug/kg	35	SW 8260B	08/04/2004	aba	2963
Surr: Dibromofluoromethane	94	%	82-112	SW 8260B	08/04/2004	aba	2963
Surr: Toluene-d8	103	%	91-106	SW 8260B	08/04/2004	aba	2963
Surr: Bromofluorobenzene	100	%	89-110	SW 8260B	08/04/2004	aba	2963

ANALYTICAL REPORT

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

08/05/2004
Job No: 04.07683
Sample No: 581998
Account No: 27123
Page 11 of 19

JOB DESCRIPTION: BOSTIK
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: GP-8 Duplicate Analysis 581939
Milwaukee, WI
Rec'd on ice

Date/Time Taken: 07/30/2004 11:30 Date Received: 08/03/2004

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Analyst	Prep/Run Batch
Solids, Total	89.3	%	n/a	SW 5035	08/02/2004	dfm	5699
VOC - METHANOL - 8260B							
Benzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Bromobenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Bromochloromethane	<39	ug/kg	35	SW 8260B	08/04/2004	aba	2963
Bromodichloromethane	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Bromoform	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Bromomethane	<112	ug/kg	100	SW 8260B	08/04/2004	aba	2963
n-Butylbenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
sec-Butylbenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
tert-Butylbenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Carbon Tetrachloride	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Chlorobenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Chlorodibromomethane	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Chloroethane	<56	ug/kg	50	SW 8260B	08/04/2004	aba	2963
Chloroform	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Chloromethane	<56	ug/kg	50	SW 8260B	08/04/2004	aba	2963
2-Chlorotoluene	<56	ug/kg	50	SW 8260B	08/04/2004	aba	2963
4-Chlorotoluene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2-Dibromo-3-Chloropropane	<56	ug/kg	50	SW 8260B	08/04/2004	aba	2963
1,2-Dibromoethane (EDB)	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Dibromomethane	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2-Dichlorobenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,3-Dichlorobenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,4-Dichlorobenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Dichlorodifluoromethane	<56	ug/kg	50	SW 8260B	08/04/2004	aba	2963
1,1-Dichloroethane	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2-Dichloroethane	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,1-Dichloroethene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
cis-1,2-Dichloroethene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
trans-1,2-Dichloroethene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2-Dichloropropane	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,3-Dichloropropane	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
2,2-Dichloropropane	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,1-Dichloropropene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
cis-1,3-Dichloropropene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
trans-1,3-Dichloropropene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Di-isopropyl ether	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Ethylbenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963

TestAmerica
ANALYTICAL TESTING CORPORATION
WDNR No. 128053530
602 Commerce Drive • Watertown, WI 53094 • 920-261-1660 • 920-261-8120 Fax

ANALYTICAL REPORT

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

08/05/2004
Job No: 04.07683
Sample No: 581998
Account No: 27123

JOB DESCRIPTION: BOSTIK
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: GP-8 Duplicate Analysis 581939
Milwaukee, WI
Rec'd on ice

Date/Time Taken: 07/30/2004 11:30 Date Received: 08/03/2004

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Analyst	Prep/Run Batch
Hexachlorobutadiene	<39	ug/kg	35	SW 8260B	08/04/2004	aba	2963
Isopropylbenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
p-Isopropyltoluene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Methylene Chloride	<56	ug/kg	50	SW 8260B	08/04/2004	aba	2963
Methyl-t-butyl ether	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Naphthalene	31	ug/kg	25	SW 8260B	08/04/2004	aba	2963
n-Propylbenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Styrene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,1,1,2-Tetrachloroethane	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,1,2,2-Tetrachloroethane	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Tetrachloroethene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Toluene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2,3-Trichlorobenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2,4-Trichlorobenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,1,1-Trichloroethane	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,1,2-Trichloroethane	<39	ug/kg	35	SW 8260B	08/04/2004	aba	2963
Trichloroethene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Trichlorofluoromethane	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,2,3-Trichloropropane	<112	ug/kg	100	SW 8260B	08/04/2004	aba	2963
1,2,4-Trimethylbenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
1,3,5-Trimethylbenzene	<28	ug/kg	25	SW 8260B	08/04/2004	aba	2963
Vinyl Chloride	<39	ug/kg	35	SW 8260B	08/04/2004	aba	2963
Xylenes, Total	<39	ug/kg	35	SW 8260B	08/04/2004	aba	2963
Surr: Dibromofluoromethane	98	%	82-112	SW 8260B	08/04/2004	aba	2963
Surr: Toluene-d8	102	%	91-106	SW 8260B	08/04/2004	aba	2963
Surr: Bromofluorobenzene	99	%	89-110	SW 8260B	08/04/2004	aba	2963

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

08/05/2004

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

Job No: 04.07683
Account No: 27123

Job Description: BOSTIK

Parameter	Run Batch	True Value	Observed Value	Percent Recovery	Control Limits
VOC - METHANOL - 8260B					
Benzene	2953	50.0	52.1	104	85 - 115
Bromoform	2953	50.0	48.7	97	
Chlorobenzene	2953	50.0	51.5	103	85 - 115
Chloroform	2953	50.0	51.0	102	80 - 120
Chloromethane	2953	50.0	49.0	98	
1,1-Dichloroethane	2953	50.0	53.3	107	
1,1-Dichloroethene	2953	50.0	52.4	105	80 - 120
1,2-Dichloropropane	2953	50.0	54.3	109	80 - 120
Di-isopropyl ether	2953	50.0	52.9	106	
Ethylbenzene	2953	50.0	50.4	101	80 - 120
Methyl-t-butyl ether	2953	50.0	53.8	108	80 - 120
1,1,2,2-Tetrachloroethane	2953	50.0	52.2	104	
Toluene	2953	50.0	52.2	104	80 - 120
Trichloroethene	2953	50.0	51.2	102	
1,2,4-Trimethylbenzene	2953	50.0	50.0	100	
1,3,5-Trimethylbenzene	2953	50.0	50.1	100	
Vinyl Chloride	2953	50.0	53.2	106	80 - 120
Xylenes, Total	2953	150	155	103	
Surr: Dibromofluoromethane	2953	50.0	48.0	96	87 - 111
Surr: Toluene-d8	2953	50.0	50.9	102	88 - 110
Surr: Bromofluorobenzene	2953	50.0	49.5	99	90 - 108
VOC - METHANOL - 8260B					
Benzene	2957	50.0	45.8	92	85 - 115
Bromoform	2957	50.0	48.4	97	
Chlorobenzene	2957	50.0	48.3	97	85 - 115
Chloroform	2957	50.0	46.4	93	80 - 120
Chloromethane	2957	50.0	45.7	91	
1,1-Dichloroethane	2957	50.0	48.1	96	
1,1-Dichloroethene	2957	50.0	47.0	94	80 - 120
1,2-Dichloropropane	2957	50.0	48.3	97	80 - 120
Di-isopropyl ether	2957	50.0	46.5	93	
Ethylbenzene	2957	50.0	49.0	98	80 - 120
Methyl-t-butyl ether	2957	50.0	46.3	93	80 - 120
1,1,2,2-Tetrachloroethane	2957	50.0	49.5	99	
Toluene	2957	50.0	48.8	98	80 - 120
Trichloroethene	2957	50.0	47.7	95	
1,2,4-Trimethylbenzene	2957	50.0	49.4	99	
1,3,5-Trimethylbenzene	2957	50.0	48.1	96	
Vinyl Chloride	2957	50.0	54.9	110	80 - 120
Xylenes, Total	2957	150	146	97	
Surr: Dibromofluoromethane	2957	50.0	48.8	98	87 - 111

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WDNR No. 128053530
602 Commerce Drive • Watertown, WI 53094 • 920-261-1660 • 920-261-8120 Fax

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

08/05/2004

Job No: 04.07683
Account No: 27123

Job Description: BOSTIK

Parameter	Run Batch	True Value	Observed Value	Percent Recovery	Control Limits
Surr: Toluene-d8	2957	50.0	50.9	102	88 - 110
Surr: Bromofluorobenzene	2957	50.0	50.9	102	90 - 108

TestAmerica
ANALYTICAL TESTING CORPORATION
WDNR No. 128053530
602 Commerce Drive • Watertown, WI 53094 • 920-261-1660 • 920-261-8120 Fax

QUALITY CONTROL REPORT
BLANKS

08/05/2004

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

Job No: 04.07683
Account No: 27123

Job Description: BOSTIK

Parameter	Prep Batch	Run Batch	Blank Result	Reporting Limit	Units
VOC - METHANOL - 8260B					
Benzene		2953	<25	25	ug/kg
Bromobenzene		2953	<25	25	ug/kg
Bromochloromethane		2953	<35	35	ug/kg
Bromodichloromethane		2953	<25	25	ug/kg
Bromoform		2953	<25	25	ug/kg
Bromomethane		2953	<100	100	ug/kg
n-Butylbenzene		2953	<25	25	ug/kg
sec-Butylbenzene		2953	<25	25	ug/kg
tert-Butylbenzene		2953	<25	25	ug/kg
Carbon Tetrachloride		2953	<25	25	ug/kg
Chlorobenzene		2953	<25	25	ug/kg
Chlorodibromomethane		2953	<25	25	ug/kg
Chloroethane		2953	<50	50	ug/kg
Chloroform		2953	<25	25	ug/kg
Chloromethane		2953	<50	50	ug/kg
2-Chlorotoluene		2953	<50	50	ug/kg
4-Chlorotoluene		2953	<25	25	ug/kg
1,2-Dibromo-3-Chloropropane		2953	<50	50	ug/kg
1,2-Dibromoethane (EDB)		2953	<25	25	ug/kg
Dibromomethane		2953	<25	25	ug/kg
1,2-Dichlorobenzene		2953	<25	25	ug/kg
1,3-Dichlorobenzene		2953	<25	25	ug/kg
1,4-Dichlorobenzene		2953	<25	25	ug/kg
Dichlorodifluoromethane		2953	<50	50	ug/kg
1,1-Dichloroethane		2953	<25	25	ug/kg
1,2-Dichloroethane		2953	<25	25	ug/kg
1,1-Dichloroethene		2953	<25	25	ug/kg
cis-1,2-Dichloroethene		2953	<25	25	ug/kg
trans-1,2-Dichloroethene		2953	<25	25	ug/kg
1,2-Dichloropropane		2953	<25	25	ug/kg
1,3-Dichloropropane		2953	<25	25	ug/kg
2,2-Dichloropropane		2953	<25	25	ug/kg
1,1-Dichloropropene		2953	<25	25	ug/kg
cis-1,3-Dichloropropene		2953	<25	25	ug/kg
trans-1,3-Dichloropropene		2953	<25	25	ug/kg
Di-isopropyl ether		2953	<25	25	ug/kg

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT
BLANKS

08/05/2004

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

Job No: 04.07683
Account No: 27123

Job Description: BOSTIK

Parameter	Prep Batch	Run Batch	Blank Result	Reporting Limit	Units
Ethylbenzene		2953	<25	25	ug/kg
Hexachlorobutadiene		2953	<35	35	ug/kg
Isopropylbenzene		2953	<25	25	ug/kg
p-Isopropyltoluene		2953	<25	25	ug/kg
Methylene Chloride		2953	<50	50	ug/kg
Methyl-t-butyl ether		2953	<25	25	ug/kg
Naphthalene		2953	<25	25	ug/kg
n-Propylbenzene		2953	<25	25	ug/kg
Styrene		2953	<25	25	ug/kg
1,1,1,2-Tetrachloroethane		2953	<25	25	ug/kg
1,1,2,2-Tetrachloroethane		2953	<25	25	ug/kg
Tetrachloroethene		2953	<25	25	ug/kg
Toluene		2953	<25	25	ug/kg
1,2,3-Trichlorobenzene		2953	<25	25	ug/kg
1,2,4-Trichlorobenzene		2953	<25	25	ug/kg
1,1,1-Trichloroethane		2953	<25	25	ug/kg
1,1,2-Trichloroethane		2953	<35	35	ug/kg
Trichloroethene		2953	<25	25	ug/kg
Trichlorofluoromethane		2953	<25	25	ug/kg
1,2,3-Trichloropropane		2953	<100	100	ug/kg
1,2,4-Trimethylbenzene		2953	<25	25	ug/kg
1,3,5-Trimethylbenzene		2953	<25	25	ug/kg
Vinyl Chloride		2953	<35	35	ug/kg
Xylenes, Total		2953	<35	35	ug/kg
Surr: Dibromofluoromethane		2953	101.2	82-112	%
Surr: Toluene-d8		2953	100.2	91-106	%
Surr: Bromofluorobenzene		2953	100.6	89-110	%
VOC - METHANOL - 8260B					
Benzene		2957	<25	25	ug/kg
Bromobenzene		2957	<25	25	ug/kg
Bromochloromethane		2957	<35	35	ug/kg
Bromodichloromethane		2957	<25	25	ug/kg
Bromoform		2957	<25	25	ug/kg
Bromomethane		2957	<100	100	ug/kg
n-Butylbenzene		2957	<25	25	ug/kg
sec-Butylbenzene		2957	<25	25	ug/kg
tert-Butylbenzene		2957	<25	25	ug/kg

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT
BLANKS

08/05/2004

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

Job No: 04.07683
Account No: 27123

Job Description: BOSTIK

Parameter	Prep Batch	Run Batch	Blank Result	Reporting Limit	Units
Carbon Tetrachloride		2957	<25	25	ug/kg
Chlorobenzene		2957	<25	25	ug/kg
Chlorodibromomethane		2957	<25	25	ug/kg
Chloroethane		2957	<50	50	ug/kg
Chloroform		2957	<25	25	ug/kg
Chloromethane		2957	<50	50	ug/kg
2-Chlorotoluene		2957	<50	50	ug/kg
4-Chlorotoluene		2957	<25	25	ug/kg
1,2-Dibromo-3-Chloropropane		2957	<50	50	ug/kg
1,2-Dibromoethane (EDB)		2957	<25	25	ug/kg
Dibromomethane		2957	<25	25	ug/kg
1,2-Dichlorobenzene		2957	<25	25	ug/kg
1,3-Dichlorobenzene		2957	<25	25	ug/kg
1,4-Dichlorobenzene		2957	<25	25	ug/kg
Dichlorodifluoromethane		2957	<50	50	ug/kg
1,1-Dichloroethane		2957	<25	25	ug/kg
1,2-Dichloroethane		2957	<25	25	ug/kg
1,1-Dichloroethene		2957	<25	25	ug/kg
cis-1,2-Dichloroethene		2957	<25	25	ug/kg
trans-1,2-Dichloroethene		2957	<25	25	ug/kg
1,2-Dichloropropane		2957	<25	25	ug/kg
1,3-Dichloropropane		2957	<25	25	ug/kg
2,2-Dichloropropane		2957	<25	25	ug/kg
1,1-Dichloropropene		2957	<25	25	ug/kg
cis-1,3-Dichloropropene		2957	<25	25	ug/kg
trans-1,3-Dichloropropene		2957	<25	25	ug/kg
Di-isopropyl ether		2957	<25	25	ug/kg
Ethylbenzene		2957	<25	25	ug/kg
Hexachlorobutadiene		2957	<35	35	ug/kg
Isopropylbenzene		2957	<25	25	ug/kg
p-Isopropyltoluene		2957	<25	25	ug/kg
Methylene Chloride		2957	<50	50	ug/kg
Methyl-t-butyl ether		2957	<25	25	ug/kg
Naphthalene		2957	<25	25	ug/kg
n-Propylbenzene		2957	<25	25	ug/kg
Styrene		2957	<25	25	ug/kg
1,1,1,2-Tetrachloroethane		2957	<25	25	ug/kg

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT
BLANKS

08/05/2004

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

Job No: 04.07683
Account No: 27123

Job Description: BOSTIK

Parameter	Prep Batch	Run Batch	Blank Result	Reporting Limit	Units
1,1,2,2-Tetrachloroethane		2957	<25	25	ug/kg
Tetrachloroethene		2957	<25	25	ug/kg
Toluene		2957	<25	25	ug/kg
1,2,3-Trichlorobenzene		2957	<25	25	ug/kg
1,2,4-Trichlorobenzene		2957	<25	25	ug/kg
1,1,1-Trichloroethane		2957	<25	25	ug/kg
1,1,2-Trichloroethane		2957	<35	35	ug/kg
Trichloroethene		2957	<25	25	ug/kg
Trichlorofluoromethane		2957	<25	25	ug/kg
1,2,3-Trichloropropane		2957	<100	100	ug/kg
1,2,4-Trimethylbenzene		2957	<25	25	ug/kg
1,3,5-Trimethylbenzene		2957	<25	25	ug/kg
Vinyl Chloride		2957	<35	35	ug/kg
Xylenes, Total		2957	<35	35	ug/kg
Surr: Dibromofluoromethane		2957	91.0	82-112	%
Surr: Toluene-d8		2957	100.0	91-106	%
Surr: Bromofluorobenzene		2957	96.6	89-110	%

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

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WDNR No. 128053530
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QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

Mr. Bill Looney
ENSR
W239 N2890 Pewaukee Rd
Unit D
Pewaukee, WI 53072

08/05/2004

Job No: 04.07683
Account No: 27123

Job Description: BOSTIK

Analyte	Prep Batch Number	Run Batch Number	LCS Amount	Units	LCS Result	LCSD Result	LCS Percent Recovery	LCSD Percent Recovery	Control Limits	Relative Percent Difference
VOC - METHANOL - 8260B										
Benzene		2953	50.0	ug/kg	47.7		95		64 - 124	
Chlorobenzene		2953	50.0	ug/kg	47.9		96		80 - 123	
1,1-Dichloroethene		2953	50.0	ug/kg	51.9		104		43 - 141	
Ethylbenzene		2953	50.0	ug/kg	48.0		96		79 - 122	
Methyl-t-butyl ether		2953	50.0	ug/kg	52.6		105		55 - 137	
Toluene		2953	50.0	ug/kg	48.2		96		78 - 120	
Trichloroethene		2953	50.0	ug/kg	46.9		94		78 - 124	
1,2,4-Trimethylbenzene		2953	50.0	ug/kg	46.4		93		75 - 128	
1,3,5-Trimethylbenzene		2953	50.0	ug/kg	46.9		94		76 - 127	
Xylenes, Total		2953	150	ug/kg	141		94		79 - 122	
Surr: Dibromofluoromethane		2953	50.0	ug/L	48.3		97		87 - 111	
Surr: Toluene-d8		2953	50.0	ug/L	51.5		103		88 - 110	
Surr: Bromofluorobenzene		2953	50.0	ug/L	50.2		100		90 - 108	
VOC - METHANOL - 8260B										
Benzene		2957	50.0	ug/kg	46.2		92		64 - 124	
Chlorobenzene		2957	50.0	ug/kg	46.8		94		80 - 123	
1,1-Dichloroethene		2957	50.0	ug/kg	49.4		99		43 - 141	
Ethylbenzene		2957	50.0	ug/kg	47.4		95		79 - 122	
Methyl-t-butyl ether		2957	50.0	ug/kg	47.2		94		55 - 137	
Toluene		2957	50.0	ug/kg	48.6		97		78 - 120	
Trichloroethene		2957	50.0	ug/kg	48.3		97		78 - 124	
1,2,4-Trimethylbenzene		2957	50.0	ug/kg	47.6		95		75 - 128	
1,3,5-Trimethylbenzene		2957	50.0	ug/kg	46.3		93		76 - 127	
Xylenes, Total		2957	150	ug/kg	142		95		79 - 122	
Surr: Dibromofluoromethane		2957	50.0	ug/L	48.2		96		87 - 111	
Surr: Toluene-d8		2957	50.0	ug/L	50.8		102		88 - 110	
Surr: Bromofluorobenzene		2957	50.0	ug/L	50.4		101		90 - 108	

TestAmerica INCORPORATED

Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: ~~BOSTIK ENSR~~ Client #:
Address: N239 N2890 Pewaukee Rd UNIT D
City/State/Zip Code: Pewaukee, WI 53072
Project Manager: Bill Looney
Telephone Number: 262 523 2040 x222 Fax: 262 523 2059
Sampler Name: (Print Name) Monica Lyons
Sampler Signature:

Project Name: BOSTIK
Project #:
Site/Location ID: Milwaukee State: WI
Report To: Bill Looney
Invoice To: Same
Quote #: PO#:

TAT
___ Standard
___ Rush (surcharges may apply)
Date Needed: Mon 8/2/04 verison
Fax Results: Y N

QC Deliverables
___ None
X Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOC	TOC	REMARKS
GP-7 (33)	7/30/04	1130	G		S					1	1		X		
GP-8 (2)		1230												X	
GP-8 (5)		1240												X	
GP-8 (11)		1305												X	
GP-8 (15)		1325												X	
GP-8	↓	1400	↓		↓								X		
Trip	—	—											—		

Special Instructions:
Rush - 24 hr TAT VOC only Standard TAT for TOC

	Date	Time		Date	Time
Relinquished By:	7/30/04	Time:	Received By: FED-EX	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date: 7/31/04	Time: 1610

LABORATORY COMMENTS:
Init Lab Temp: 0 N F C E
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: FED-EX

On 8/2/04

3.10 TOPOGRAPHY AND SURFACE WATER CHARACTERISTICS

Based on review of the United States Geological Survey (USGS) Topographic Map for Milwaukee, Wisconsin, the Site elevation is approximately 670 feet above Mean Sea Level (MSL). The closest large water body is the Milwaukee River, located approximately 3 miles east/southeast of the Site. The general Site area has very little topographic relief, but slopes gently east toward the Milwaukee River and Lake Michigan. The local area topography is presented on Figure No. 1.

Storm and surface water flow in the vicinity of the Site is toward the Milwaukee River and Lake Michigan via surface flow and the stormwater sewer system.

3.20 GEOLOGY AND GROUNDWATER CHARACTERISTICS

Shallow soil in the general Site area consists of poorly-drained, Morley series silty loams. The underlying unconsolidated deposits may be up to 100 feet thick in the Site vicinity and are underlain by Devonian-age carbonate bedrock. Based on information obtained from the Environmental Data Resources, Inc. (EDR) Radius Map, the Site is located in the Devonian system.

The Site is within the City of Milwaukee water service area. The City of Milwaukee water supply is obtained from Lake Michigan. Shallow groundwater is likely contained within perched zones in the unconsolidated soils and groundwater flow is estimated to be southeast.

4.00 HISTORICAL USE INFORMATION

Site history was developed from ASTM standard historical sources, available files and interviews with people familiar with the Site. A list of representatives interviewed is included in Section 8.00.

4.10 SITE AND AREA HISTORY SUMMARY

The Site was originally developed as a food company and residential properties. A creamery operated on the western portion of the Site from the late 1800s or early 1900s until the 1960s, when Findley Adhesives began operations.

TestAmerica
ANALYTICAL TESTING CORPORATION

WDNR No. 128053530
602 Commerce Drive • Watertown, WI 53094 • 920-261-1660 • 920-261-8120 Fax

August 11, 2004

ENSR
Attention: Mr. Bill Looney
W239 N2890 Pewaukee Road
Unit D.
Pewaukee, WI 53072

Dear Mr. Looney:

I am writing this letter to discuss the discrepancy in results for sample GP-7 on the Bostik project that was submitted on July 31, 2004. This sample was initially analyzed on August 2nd. Trace amounts (109 ppb dry weight) of Trichloroethene were detected. Subsequent analyses on August 3rd with a different GC/MS and August 4th on the original GC/MS failed to confirm the original result. All analyses were performed using the same methanol extract of the sample that was provided by ENSR.

A thorough review of QA/QC and the run batch was made to try to determine the cause of the discrepancy. The method blank was free of contaminants for all three days runs and all quality control measures were in compliance with the method. There is no analytical scientific reason to discard any result since no high Trichloroethene samples were analyzed on that instrument for at least two days prior to August 2nd. However, due to the low level detection (the result is at the Limit of Quantitation) and the fact that two subsequent analyses failed to confirm the initial findings, I feel that the first analyses was a false detection of Trichloroethene.

If you have any further questions or would like to discuss the findings further, please feel free to contact me.

Thank you for using our services.

Sincerely,

David W. Havick

TestAmerica Watertown Laboratory Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

WDNR No. 128053530
602 Commerce Drive • Watertown, WI 53094 • 920-261-1660 • 920-261-8120 Fax

October 7, 2004

ENSR
Attention: Mr. Bill Looney
W239 N2890 Pewaukee Road
Unit D.
Pewaukee, WI 53072

Dear Mr. Looney:

I am writing this letter to discuss the sample handling for sample GP-7 on the Bostik project that was submitted on July 31, 2004. This sample was initially analyzed on August 2nd. The sample was then replaced in the cooler until the second analysis on August 4th. Both analyses were performed using the same methanol extract and all sample handling was in accordance with WDNR guidelines..

If you have any further questions or would like to discuss the findings further, please feel free to contact me.

Thank you for using our services.

Sincerely,

David W. Havick

TestAmerica Watertown Laboratory Manager

ential

June 2004 Soil Sample Results			
/te t as noted)	GP-4 (3')	GP-4 (8')	GP-4 (16')
roethene	74	ND	ND
hene	850	1,000	ND
he	36	ND	ND
	ND	ND	ND

NOTE: Only Tetrachloroethene and Trichloroethene in one soil sample (GP-4, 5-7 feet bgs, June 1996) exceeded their respective Wisconsin Generic Industrial Direct Contact RCLs

s 1-13 ft. bgs)	µg/kg
ene Chloride	78
hloroethene	552
ichloroethene	ND
ichloroethane	ND
loroethene	ND

29th Stree

rge,
al-fired
t. No Stairwell. One
ommissioned,
boiler
ted piping

Brick Wall

Location of
0-Gallon UST

LEGEND

Recognized Environmental Conditions (RECs)

Historic Recognized Environmental Conditions (HRECs)

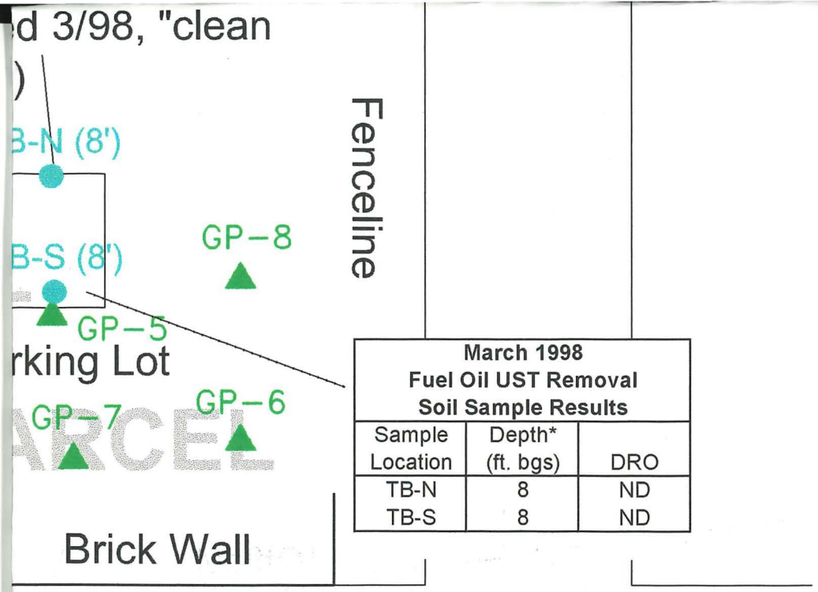
All REC and HREC locations are approximate.

Bold type indicates exceedence of the WI Industrial Direct Contact RCL or NR 720 standard for DRO

- A ● UST Soil Excavation Samples (Collected October 1990)
- ● Sludge Analysis Samples (Collected November 1996)
- N–1 ● UST Soil Excavation Samples (Collected November 1995)
- GP–2 ● Soil Boring Samples (Collected June 1996)
- B–3 ● Soil Boring Samples (Collected December 1995)
- GP–1 ▲ Geoprobe Boring PID Soil Sample (Collected July 1997)
- TB-N ● UST Soil Excavation Samples (Collected March 1998)
- GP–2 ● Geoprobe Boring Soil Sample (Collected June 2004)
- GP–8 ■ Soil Boring Sample (Collected August 2004)
- ● Basement Crock or Catch Basin
- ⊕ Floor Drain
- ⬚ Basement Area

N W E S

US EPA Region III Risk-Based Concentrations[1]	Wisconsin Generic Residual Contaminant Levels



March 1998
Fuel Oil UST Removal
Soil Sample Results

Sample Location	Depth* (ft. bgs)	DRO
TB-N	8	ND
TB-S	8	ND

June 1996
Soil Sample Results

GP-2 (5-7 ft. bgs)	µg/kg	GP-2 (11-13 ft. bgs)	µg/kg
Methylene Chloride	88	Methylene Chloride	91
Tetrachloroethene	96	Tetrachloroethene	ND

Center Street

July 1997
PID Screening Results

Sample Location	Depth* (ft. bgs)	PID Result
GP-1	0 - 10	ND
GP-2	0 - 10	ND
GP-3	0 - 10	ND
GP-4	0 - 10	ND
GP-5	0 - 10	ND
GP-6	0 - 10	ND
GP-7	0 - 12	ND
GP-8	0 - 10	ND

Continuous Sampling at 2-foot intervals

ANALYTES[2]	Industrial Direct Contact RBC[3]	Residential Direct Contact RBC[3]
BENZENE	52,000	11,600
CHLOROFORM	10,220,000	782,000
1,2-DICHLOROBENZENE	91,980,000	7,039,000
1,1-DICHLOROETHANE	102,200,000	7,821,000
1,2-DICHLOROETHANE	31,400	7,000
CIS-1,2-DICHLOROETHENE	10,220,000	782,000
TRANS-1,2-DICHLOROETHENE	20,440,000	1,564,000
DIISOPROPYL ETHER	NL	NL
ETHYLBENZENE	102,200,000	7,821,000
HEXANE	11,242,000,000	860,357,000
LEAD	NL	NL
METHYLENE CHLORIDE	382,000	85,000
ANTHRACENE	306,600,000	23,464,000
BENZ[A]ANTHRACENE	3,900	870
BENZO[B]FLUORANTHENE	3,900	870
BENZO[K]FLUORANTHENE	39,200	8,700
BENZO[A]PYRENE	390	87
CHRYSENE	392,000	87,000
FLUORANTHENE	40,880,000	3,129,000
INDENO[1,2,3-C,D]PYRENE	3,900	870
2-METHYLNAPHTHALENE	4,088,000	313,000
NAPHTHALENE	20,440,000	1,564,000
PHENANTHRENE	NL	NL
PYRENE	30,660,000	2,346,000
n-PROPYLBENZENE	NL	NL
TETRACHLOROETHENE	5,300	1,200
TOLUENE	204,400,000	15,643,000
1,1,1-TRICHLOROETHANE	286,160,000	21,900,000
TRICHLOROETHENE	7,200	1,600
1,2,4-TRIMETHYLBENZENE	51,100,000	3,911,000
1,3,5-TRIMETHYLBENZENE	51,100,000	3,911,000
XYLENES	204,400,000	15,643,000
DRO	NL	NL
GRO	NL	NL

[1] Updated April 2004
[2] Only Detected Compounds Shown
[3] All units in ug/kg, except where shown
RBC = Risk-based Concentration
NOTE: Region III 10/4/95 Direct Contact RBCs utilized in original risk assessment, "*Evaluation of Site -Specific Soil Cleanup Standards, Findley Adhesives, Inc., 2930 West Center Street, Milwaukee, WI* by *Environmental Software Consultants, Inc.*", dated 3/13/96 for which conditional closure was granted on 6/11/97.

ANALYTES[1]	Industrial Direct Contact RCL[2]	Residential Direct Contact RCL[2]
BENZENE[3]	2,800	170
CHLOROFORM[3]	950	57
1,2-DICHLOROBENZENE	600,000	600,000
1,1-DICHLOROETHANE[3]	1,800,000	510,000
1,2-DICHLOROETHANE[3]	1,300	76
CIS-1,2-DICHLOROETHENE[3]	1,300,000	156,000
TRANS-1,2-DICHLOROETHENE[3]	3,200,000	313,000
DIISOPROPYL ETHER[3]	1,900,000	1,900,000
ETHYLBENZENE[3]	400,000	400,000
HEXANE[3]	270,000	82,000
LEAD[6]	500,000	50,000
METHYLENE CHLORIDE[3]	45,000	2,700
ANTHRACENE[4]	300,000,000	5,000,000
BENZ[A]ANTHRACENE[4]	3,900	88
BENZO[B]FLUORANTHENE[4]	3,900	88
BENZO[K]FLUORANTHENE[4]	39,000	880
BENZO[A]PYRENE[4]	390	8.8
CHRYSENE[4]	390,000	8,800
FLUORANTHENE[4]	40,000,000	600,000
INDENO[1,2,3-C,D]PYRENE[4]	3,900	88
**2-METHYLNAPHTHALENE[4]	40,000,000	600,000
NAPHTHALENE[4]	110,000	20,000
PHENANTHRENE[4]	390,000	18,000
PYRENE[4]	30,000,000	500,000
n-PROPYLBENZENE[3]	NL	NL
TETRACHLOROETHENE[3]	35,000	1,230
TOLUENE[3]	670,000	650,000
1,1,1-TRICHLOROETHANE	1,200,000	1,200,000
TRICHLOROETHENE[3]	240	14
1,2,4-TRIMETHYLBENZENE[3]	350,000	50,000
1,3,5-TRIMETHYLBENZENE[3]	200,000	29,000
XYLENES[3]	1,900,000	280,000
DRO[5]	100/250 mg/kg	100/250 mg/kg
GRO[5]	100/250 mg/kg	100/250 mg/kg

[1]Only Detected Compounds Shown
[2]All units in ug/kg, except where shown
[3]Values calculated per *"Determining Residual Contaminant Levels Using EPA Soil Screening Level Web Site", Publication RR-682.*
[4]Values from Table 1, *"Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance* , Publication RR-519-17
[5]Value for GRO/DRO from NR 720.09 (protection of groundwater). Value depends on soil type.
[6]Direct Contact Value for lead from Table 2, NR 720.11
RCL = Residual Contaminant Levels

esults

DRWN: HEP	SCALE: 1" = 25'
CHK'D: LG	DATE: 08-03-04
APP'D: BL	**FIGURE 4**

Soil Sample Results			
yte t as noted)	GP-4 (3')	GP-4 (8')	GP-4 (16')
roethene	74	ND	ND
hene	850	1,000	ND
he	36	ND	ND
	ND	ND	ND

NOTE: Only Tetrachloroethene and Trichloroethene in one soil sample (GP-4, 5-7 feet bgs, June 1996) exceeded their respective Wisconsin Generic Industrial Direct Contact RCLs

s 1-13 ft. bgs)	µg/kg
ene Chloride	78
hloroethene	552
ichloroethene	ND
chloroethane	ND
oroethene	ND

rge,
al-fired
. No Stairwell. One
ommissioned,
boiler
ted piping

Brick Wall

Location of
0-Gallon UST
d 3/98, "clean
)

B-N (8')

B-S (8')

GP-8

GP-5

rking Lot

GP-7 GP-6

ARCEL

Brick Wall

Fenceline

29th Street

March 1998 Fuel Oil UST Removal Soil Sample Results		
Sample Location	Depth* (ft. bgs)	DRO
TB-N	8	ND
TB-S	8	ND

June 1996 Soil Sample Results			
GP-2 (5-7 ft. bgs)	µg/kg	GP-2 (11-13 ft. bgs)	µg/kg
Methylene Chloride	88	Methylene Chloride	91
Tetrachloroethene	96	Tetrachloroethene	ND

July 1997 PID Screening Results		
Sample Location	Depth* (ft. bgs)	PID Result
GP-1	0 - 10	ND
GP-2	0 - 10	ND
GP-3	0 - 10	ND
GP-4	0 - 10	ND
GP-5	0 - 10	ND
GP-6	0 - 10	ND
GP-7	0 - 12	ND
GP-8	0 - 10	ND

Continuous Sampling at 2-foot intervals

Center Street

approximate.

Bold type indicates exceedence of the WI Industrial Direct Contact RCL or NR 720 standard for DRO

- A — UST Soil Excavation Samples (Collected October 1990)
- Sludge Analysis Samples (Collected November 1996)
- N–1 — UST Soil Excavation Samples (Collected November 1995)
- GP–2 — Soil Boring Samples (Collected June 1996)
- B–3 — Soil Boring Samples (Collected December 1995)
- GP–1 — Geoprobe Boring PID Soil Sample (Collected July 1997)
- TB-N — UST Soil Excavation Samples (Collected March 1998)
- GP–2 — Geoprobe Boring Soil Sample (Collected June 2004)
- GP–8 — Soil Boring Sample (Collected August 2004)
- Basement Crock or Catch Basin
- Floor Drain
- Basement Area

US EPA Region III Risk-Based Concentrations[1]		
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TRANS-1,2-DICHLOROETHENE	20,440,000	1,564,000
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HEXANE	11,242,000,000	860,357,000
LEAD	NL	NL
METHYLENE CHLORIDE	382,000	85,000
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BENZ[A]ANTHRACENE	3,900	870
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FLUORANTHENE	40,880,000	3,129,000
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PYRENE	30,660,000	2,346,000
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TOLUENE	204,400,000	15,643,000
1,1,1-TRICHLOROETHANE	286,160,000	21,900,000
TRICHLOROETHENE	7,200	1,600
1,2,4-TRIMETHYLBENZENE	51,100,000	3,911,000
1,3,5-TRIMETHYLBENZENE	51,100,000	3,911,000
XYLENES	204,400,000	15,643,000
DRO	NL	NL
GRO	NL	NL

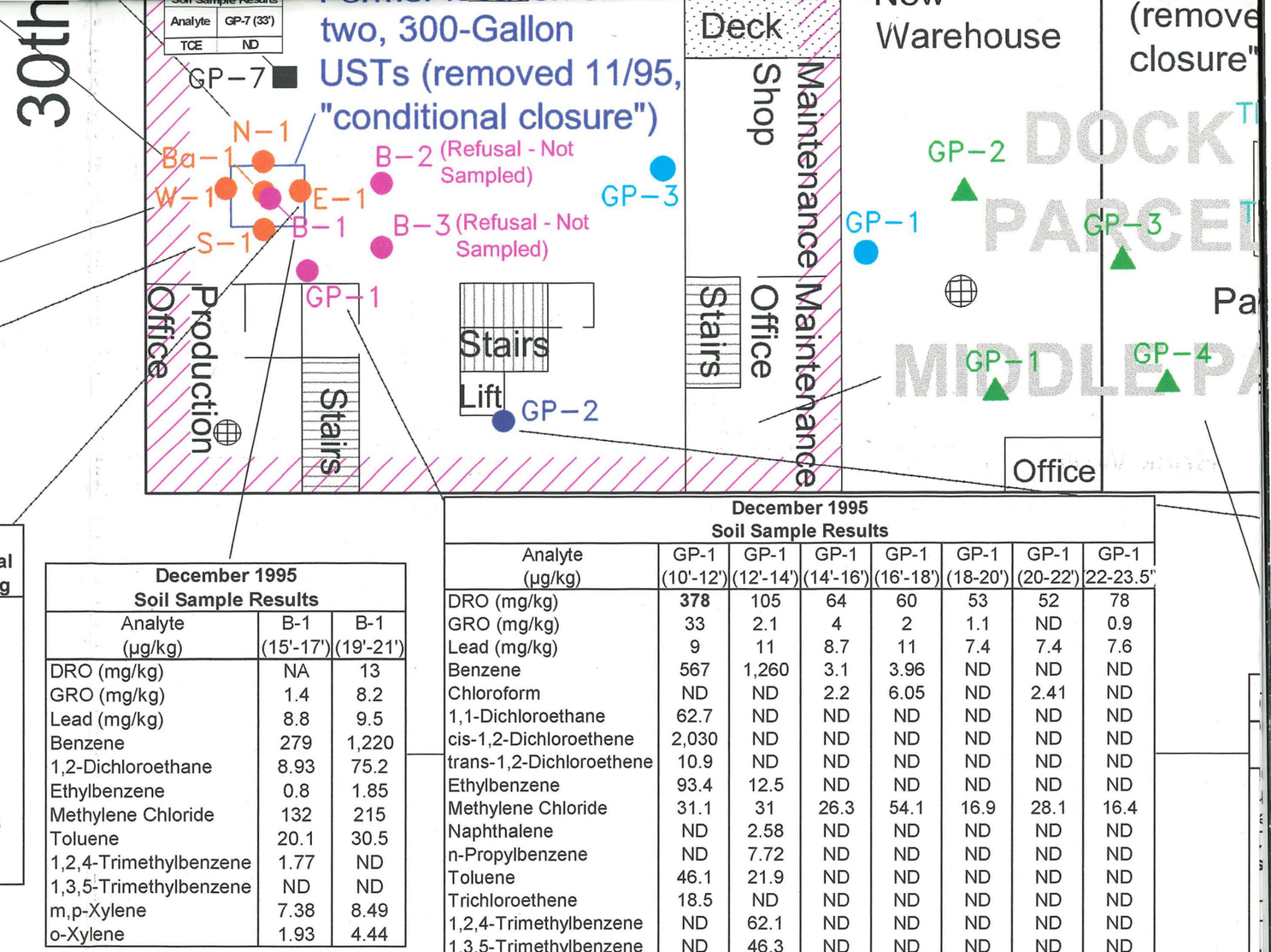
[1] Updated April 2004
[2] Only Detected Compounds Shown
[3] All units in ug/kg, except where shown
RBC = Risk-based Concentration
NOTE: Region III 10/4/95 Direct Contact RBCs utilized in original risk assessment, "*Evaluation of Site -Specific Soil Cleanup Standards, Findley Adhesives, Inc., 2930 West Center Street, Milwaukee, WI* by *Environmental Software Consultants, Inc.*", dated 3/13/96 for which conditional closure was granted on 6/11/97.

Wisconsin Gen
ANALYTES[1]
BENZENE[3]
CHLOROFORM[3]
1,2-DICHLOROBENZE
1,1-DICHLOROETHAN
1,2-DICHLOROETHAN
CIS-1,2-DICHLOROET
TRANS-1,2-DICHLORO
DIISOPROPYL ETHER
ETHYLBENZENE[3]
HEXANE[3]
LEAD[6]
METHYLENE CHLORID
ANTHRACENE[4]
BENZ[A]ANTHRACENE
BENZO[B]FLUORANTH
BENZO[K]FLUORANTH
BENZO[A]PYRENE[4]
CHRYSENE[4]
FLUORANTHENE[4]
INDENO[1,2,3-C,D]PYR
**2-METHYLNAPHTHA
NAPHTHALENE[4]
PHENANTHRENE[4]
PYRENE[4]
n-PROPYLBENZENE[3]
TETRACHLOROETHEI
TOLUENE[3]
1,1,1-TRICHLOROETH
TRICHLOROETHENE[3]
1,2,4-TRIMETHYLBEN
1,3,5-TRIMETHYLBEN
XYLENES[3]
DRO[5]
GRO[5]

[1] Only Detected Compo
[2] All units in ug/kg, exce
[3] Values calculated per *Using EPA Soil Screen*
[4] Values from Table 1, " *Hydrocarbons (PAHs)*
[5] Value for GRO/DRO fr Value depends on soil t
[6] Direct Contact Value fo
RCL = Residual Contar

W-1 (6 ft. bgs)	µg/kg
DRO (mg/kg)	8.5
Lead (mg/kg)	32
Anthracene	7.7
Benzene	1.7
Benzo(a)anthracene	100
Benzo(a)pyrene	157
Benzo(b)fluoranthene	172
Benzo(g,h,i)perylene	162
Benzo(k)fluoranthene	83
Chrysene	79
Fluoranthene	157
Indeno(1,2,3-cd)pyrene	162
Methylene Chloride	34
Phenanthrene	24
Pyrene	151
Tetrachloroethene	14
Toluene	6.9
Trichloroethene	3.3

Di-Isopropyl ether	3,320
Ethylbenzene	9,610
Fluoranthene	64
Methylene Chloride	3,050
2-Methylnaphthalene	574
Naphthalene	4,620
n-Propylbenzene	2,400
Pyrene	53
Toluene	19,300
1,2,4-Trimethylbenzene	19,200
1,3,5-Trimethylbenzene	6,030
m,p-Xylene	37,200
o-Xylene	19,700



November 1995 Diesel/Gasoline UST Removal S-1 (6 ft. bgs)	µg/kg
DRO (mg/kg)	7.3
GRO (mg/kg)	1.8
Lead (mg/kg)	24
Benzo(a)anthracene	20
Benzo(b)fluoranthene	17
Benzo(g,h,i)perylene	13
Benzo(k)fluoranthene	9.6
Chrysene	16
Fluoranthene	25
Indeno(1,2,3-cd)pyrene	16
Methylene Chloride	37
Pyrene	24
Tetrachloroethene	110
Toluene	2.1
Trichloroethene	7.5

November 1995 Diesel/Gasoline UST Removal E-1 (6 ft. bgs)	µg/kg
Lead (mg/kg)	58
Benzene	2.6
Benzo(b)fluoranthene	28
Benzo(g,h,i)perylene	19
Benzo(k)fluoranthene	13
Chrysene	12
Indeno(1,2,3-cd)pyrene	23
Methylene Chloride	15
Pyrene	22
Tetrachloroethene	145
Toluene	14
Trichloroethene	13

December 1995 Soil Sample Results		
Analyte (µg/kg)	B-1 (15'-17')	B-1 (19'-21')
DRO (mg/kg)	NA	13
GRO (mg/kg)	1.4	8.2
Lead (mg/kg)	8.8	9.5
Benzene	279	1,220
1,2-Dichloroethane	8.93	75.2
Ethylbenzene	0.8	1.85
Methylene Chloride	132	215
Toluene	20.1	30.5
1,2,4-Trimethylbenzene	1.77	ND
1,3,5-Trimethylbenzene	ND	ND
m,p-Xylene	7.38	8.49
o-Xylene	1.93	4.44

December 1995 Soil Sample Results							
Analyte (µg/kg)	GP-1 (10'-12')	GP-1 (12'-14')	GP-1 (14'-16')	GP-1 (16'-18')	GP-1 (18-20')	GP-1 (20-22')	GP-1 22-23.5'
DRO (mg/kg)	**378**	105	64	60	53	52	78
GRO (mg/kg)	33	2.1	4	2	1.1	ND	0.9
Lead (mg/kg)	9	11	8.7	11	7.4	7.4	7.6
Benzene	567	1,260	3.1	3.96	ND	ND	ND
Chloroform	ND	ND	2.2	6.05	ND	2.41	ND
1,1-Dichloroethane	62.7	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2,030	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.9	ND	ND	ND	ND	ND	ND
Ethylbenzene	93.4	12.5	ND	ND	ND	ND	ND
Methylene Chloride	31.1	31	26.3	54.1	16.9	28.1	16.4
Naphthalene	ND	2.58	ND	ND	ND	ND	ND
n-Propylbenzene	ND	7.72	ND	ND	ND	ND	ND
Toluene	46.1	21.9	ND	ND	ND	ND	ND
Trichloroethene	18.5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	62.1	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	46.3	ND	ND	ND	ND	ND
m,p-Xylene	112	126	ND	ND	ND	ND	ND
o-Xylene	46	77.7	ND	ND	ND	ND	ND
Hexane	ND	55.4	ND	ND	ND	ND	ND

J:\COMMON\00963023 - Bostik Center ST\figures\REC and Boring Location Map.dwg

ENSR INTERNATIONAL

Historical Soil Analytical R

Bostik Findley
2930 West Center Street
Milwaukee, Wisconsin

Residential

Reside

Former location of one,
8,000-Gallon Mineral Oil UST
(removed 10/90, "clean closure")

Location of stained soil identified in the GZA report

October 1990 Mineral Oil UST Removal			
Sample Location	Depth (ft. bgs)	Analyte	Result (µg/kg)
A	12	TPH	ND
B	13	TPH	ND
C	8.5	TPH	NA
D	10	TPH	NA
E	4	TPH	ND
F	10	TPH	ND
G	4	TPH	ND
H	8	TPH	ND
I	2	TPH	ND
J	8	TPH	ND

June 1996 Soil Sample Results			
GP-5 (5-7 ft. bgs)	µg/kg	GP-5 (11-13 ft. bgs)	µg/kg
Methylene Chloride	91	Methylene Chloride	231

July 2004 Excavation Confirmatory Sample Results				
Analyte	F- 01 (2')	F-02 (2')	F-03 (2')	F-04 (3')
DRO	160 mg/kg	76 mg/kg	150 mg/kg	190 mg/kg

June 2004 Soil Sample Results	
Analyte	GP-6 (1')
DRO	7,100 mg/kg

June 1996 Soil Sample Results			
GP-3 (5-7 ft. bgs)	µg/kg	GP-3 (11-13 ft. bgs)	µg/kg
Methylene Chloride	94	Methylene Chloride	82
Tetrachloroethene	582	Tetrachloroethene	ND

November 1995 Diesel/Gasoline UST Removal	
N-1 (6 ft. bgs)	µg/kg
DRO (mg/kg)	4
Lead (mg/kg)	110
Benzene	3
Benzo(a)anthracene	22
Benzo(b)fluoranthene	55
Benzo(g,h,i)perylene	45
Benzo(k)fluoranthene	23
Chrysene	20
Fluoranthene	44
Indeno(1,2,3-cd)pyrene	45
Methylene Chloride	39
Pyrene	38
Tetrachloroethene	131
Toluene	13
Trichloroethene	3.4

November 1996 Soil Analytical Results Tetrachloroethene (5' - 7')	
Sample Location	Result (µg/kg)
GP-6	1,938
GP-7	2,102
GP-8	490
GP-9	3,416

June 2004 Soil Sample Results				
GP-1 (3')	GP-2 (3')	GP-3 (3')	GP-5 (3')
ND	ND	ND	ND

November 1995 Diesel/Gasoline UST Removal	
Ba-1 (12 ft. bgs)	µg/kg
DRO (mg/kg)	18
GRO (mg/kg)	172
Lead (mg/kg)	15
Anthracene	14
Benzene	1,210
n-Butylbenzene	2,950
Chrysene	18

November 1995 Diesel/Gasoline UST Removal	

July 2004 Soil Sample Results	
Analyte	GP-8 (31')
Naphthalene	30 ug/kg

June 1996 Soil Sample Results			
GP-4 (5-7 ft. bgs)	µg/kg	GP-4 (1	
Tetrachloroethene	89,300	Methyle	
1,2-Dichlorobenzene	49	Tetrac	
cis-1,2-Dichloroethene	207	cis-1,2-D	
1,1,1-Trichloroethane	42	1,1,1-Tri	
Trichloroethene	252	Trichl	

November 1996 Sludge Analysis Results	
Analyte	Result (µg/kg)
Carbon Tetrachloride	453,000
Tetrachloroethylene	4,000,000
Chloroform	12,000,000
Chlorobenzene	742
1,2-Dichlorobenzene	17

Anal (ug/kg excep
cis-1,2-Dichlo
Tetrachloroeth
Trichloroether
DRO

Basement with two la
decommissioned, coa
boilers. Basement
small dec
coal-fired
w/associa

Parking Garage

Loading Dock

Storage

Hot Oil Room

Sub-basement with crocks

Stairs

CO2

wax

Power Room

Control Room

MAIN PARCEL

Historic Use of Solvents in Clean-up

Former

Street

Alley

Alley

GP-2 GP-3 GP-4 GP-5 GP-6 GP-7 GP-8 GP-9

A B C D E F G H I J

FO-1 FO-2 FO-3 FO-4

Location of stained soil identified in the GZA report

Parking Garage

Loading Dock

Storage

Hot Oil Room

Sub-basement with crocks

Alley

MAIN PARCEL

Historic Use of Solvents in Clean-up

Former location of two, 300-Gallon USTs (removed 11/95, "conditional closure")

30th Street

Alley

Basement with two la
decommissioned, coa
boilers. Basement
small dec
coal-fired
w/associa

Former
one, 55(
(remove
closure"

Pa

MIDDLE PA

Smoke Deck

New Warehouse

Shop

Maintenance

Office

Stairs

Lift

Production Office

Control Room

Power Room

CO2

wax

GP-1 GP-2 GP-3 GP-4 GP-5 GP-6 GP-7 GP-8 GP-9

A B C D E F G H I J

FO-1 FO-2 FO-3 FO-4

N-1 Ba-1 W-1 E-1 S-1 B-1 B-2 B-3

B-2 (Refusal - Not Sampled)

B-3 (Refusal - Not Sampled)

July 2004 Soil Sample Results

Analyte	GP-8 (31')
Naphthalene	30 ug/kg

July 2004 Soil Sample Results

Analyte	GP-7 (33')
TCE	ND

November 1996 Soil Analytical Results Tetrachloroethene (5' - 7')

Sample Location	Result (µg/kg)
GP-6	1,938
GP-7	2,102
GP-8	490
GP-9	3,416

June 2004 Soil Sample Results

GP-1 (3')	GP-2 (3')	GP-3 (3')	GP-5 (3')
ND	ND	ND	ND

June 1996 Soil Sample Result

GP-4 (5-7 ft. bgs)	µg/kg	GP-4 (1
Tetrachloroethene	**89,300**	Methyle
1,2-Dichlorobenzene	49	Tetrac
cis-1,2-Dichloroethene	207	cis-1,2-D
1,1,1-Trichloroethane	42	1,1,1-Tr
Trichloroethene	**252**	Trich

Anal (ug/kg excep
cis-1,2-Dichlo
Tetrachloroeth
Trichloroether
DRO

November 1996 Sludge Analysis Results

Analyte	Result (µg/kg)
Carbon Tetrachloride	453,000
Tetrachloroethylene	4,000,000
Chloroform	12,000,000
Chlorobenzene	742
1,2-Dichlorobenzene	17

gs)	µg/kg
de	82
ne	ND

e 2004 ple Results

GP-6 (1')
7,100 mg/kg

5 Removal µg/kg
18
172
15
14
1,210
2,950
18
3,320
9,610
64
3,050
574
4,620
2,400
53
19,300
19,200
6,030
37,200
19,700

vember 1995 soline UST Removal

ft. bgs)	µg/kg
mg/kg)	58
zene	2.6
uoranthene	28
,i)perylene	19
uoranthene	13
rsene	12
3-cd)pyrene	23
e Chloride	15
ene	22
roethene	145
uene	14
oethene	13

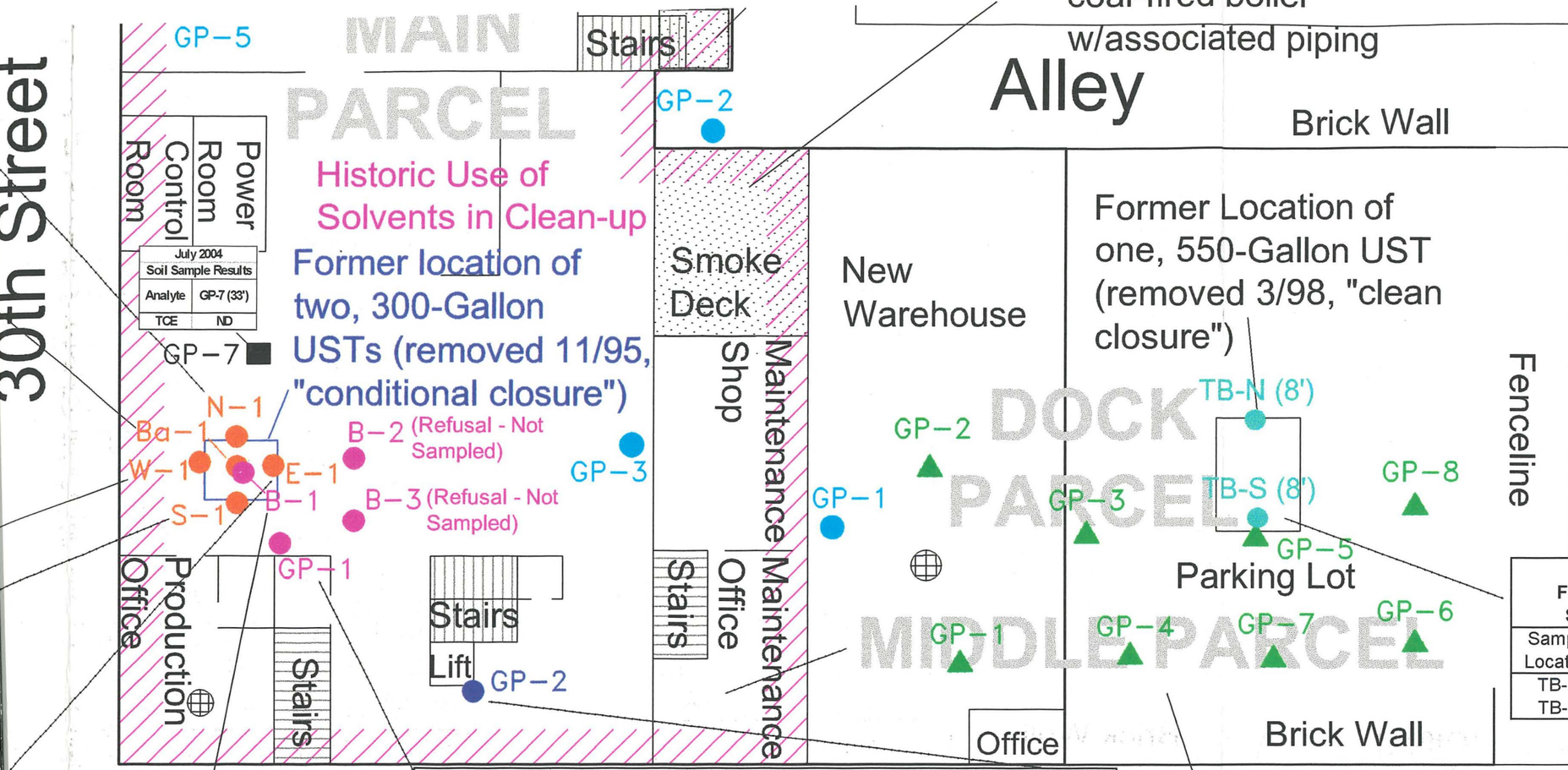
December 1995 Soil Sample Results

Analyte (µg/kg)	B-1 (15'-17')	B-1 (19'-21')
DRO (mg/kg)	NA	13
GRO (mg/kg)	1.4	8.2
Lead (mg/kg)	8.8	9.5
Benzene	279	1,220
1,2-Dichloroethane	8.93	75.2
Ethylbenzene	0.8	1.85
Methylene Chloride	132	215
Toluene	20.1	30.5
1,2,4-Trimethylbenzene	1.77	ND
1,3,5-Trimethylbenzene	ND	ND
m,p-Xylene	7.38	8.49
o-Xylene	1.93	4.44

December 1995 Soil Sample Results

Analyte (µg/kg)	GP-1 (10'-12')	GP-1 (12'-14')	GP-1 (14'-16')	GP-1 (16'-18')	GP-1 (18-20')	GP-1 (20-22')	GP-1 22-23.5'
DRO (mg/kg)	**378**	105	64	60	53	52	78
GRO (mg/kg)	33	2.1	4	2	1.1	ND	0.9
Lead (mg/kg)	9	11	8.7	11	7.4	7.4	7.6
Benzene	567	1,260	3.1	3.96	ND	ND	ND
Chloroform	ND	ND	2.2	6.05	ND	2.41	ND
1,1-Dichloroethane	62.7	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2,030	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.9	ND	ND	ND	ND	ND	ND
Ethylbenzene	93.4	12.5	ND	ND	ND	ND	ND
Methylene Chloride	31.1	31	26.3	54.1	16.9	28.1	16.4
Naphthalene	ND	2.58	ND	ND	ND	ND	ND
n-Propylbenzene	ND	7.72	ND	ND	ND	ND	ND
Toluene	46.1	21.9	ND	ND	ND	ND	ND
Trichloroethene	18.5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	62.1	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	46.3	ND	ND	ND	ND	ND
m,p-Xylene	112	126	ND	ND	ND	ND	ND
o-Xylene	46	77.7	ND	ND	ND	ND	ND
Hexane	ND	55.4	ND	ND	ND	ND	ND

C and Boring Location Map.dwg



March 1998
Fuel Oil UST Removal
Soil Sample Results

Sample Location	Depth* (ft. bgs)	DRO
TB-N	8	ND
TB-S	8	ND

December 1995
Soil Sample Results

Analyte (µg/kg)	B-1 (15'-17')	B-1 (19'-21')
DRO (mg/kg)	NA	13
GRO (mg/kg)	1.4	8.2
Lead (mg/kg)	8.8	9.5
Benzene	279	1,220
1,2-Dichloroethane	8.93	75.2
Ethylbenzene	0.8	1.85
Methylene Chloride	132	215
Toluene	20.1	30.5
1,2,4-Trimethylbenzene	1.77	ND
1,3,5-Trimethylbenzene	ND	ND
m,p-Xylene	7.38	8.49
o-Xylene	1.93	4.44

December 1995
Soil Sample Results

Analyte (µg/kg)	GP-1 (10'-12')	GP-1 (12'-14')	GP-1 (14'-16')	GP-1 (16'-18')	GP-1 (18-20')	GP-1 (20-22')	GP-1 22-23.5'
DRO (mg/kg)	**378**	105	64	60	53	52	78
GRO (mg/kg)	33	2.1	4	2	1.1	ND	0.9
Lead (mg/kg)	9	11	8.7	11	7.4	7.4	7.6
Benzene	567	1,260	3.1	3.96	ND	ND	ND
Chloroform	ND	ND	2.2	6.05	ND	2.41	ND
1,1-Dichloroethane	62.7	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2,030	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.9	ND	ND	ND	ND	ND	ND
Ethylbenzene	93.4	12.5	ND	ND	ND	ND	ND
Methylene Chloride	31.1	31	26.3	54.1	16.9	28.1	16.4
Naphthalene	ND	2.58	ND	ND	ND	ND	ND
n-Propylbenzene	ND	7.72	ND	ND	ND	ND	ND
Toluene	46.1	21.9	ND	ND	ND	ND	ND
Trichloroethene	18.5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	62.1	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	46.3	ND	ND	ND	ND	ND
m,p-Xylene	112	126	ND	ND	ND	ND	ND
o-Xylene	46	77.7	ND	ND	ND	ND	ND
Hexane	ND	55.4	ND	ND	ND	ND	ND

June 1996
Soil Sample Results

GP-2 (5-7 ft. bgs)	µg/kg	GP-2 (11-13 ft. bgs)	µg/kg
Methylene Chloride	88	Methylene Chloride	91
Tetrachloroethene	96	Tetrachloroethene	ND

July 1997
PID Screening Results

Sample Location	Depth* (ft. bgs)	PID Result
GP-1	0 - 10	ND
GP-2	0 - 10	ND
GP-3	0 - 10	ND
GP-4	0 - 10	ND
GP-5	0 - 10	ND
GP-6	0 - 10	ND
GP-7	0 - 12	ND
GP-8	0 - 10	ND

* Continuous Sampling at 2-foot intervals

US EPA Region II

ANALYTES[2]
BENZENE
CHLOROFORM
1,2-DICHLOROBENZENE
1,1-DICHLOROETHANE
1,2-DICHLOROETHANE
CIS-1,2-DICHLOROETHENE
TRANS-1,2-DICHLOROETH
DIISOPROPYL ETHER
ETHYLBENZENE
HEXANE
LEAD
METHYLENE CHLORIDE
ANTHRACENE
BENZ[A]ANTHRACENE
BENZO[B]FLUORANTHENE
BENZO[K]FLUORANTHENE
BENZO[A]PYRENE
CHRYSENE
FLUORANTHENE
INDENO[1,2,3-C,D]PYRENE
2-METHYLNAPHTHALENE
NAPHTHALENE
PHENANTHRENE
PYRENE
n-PROPYLBENZENE
TETRACHLOROETHENE
TOLUENE
1,1,1-TRICHLOROETHANE
TRICHLOROETHENE
1,2,4-TRIMETHYLBENZENE
1,3,5-TRIMETHYLBENZENE
XYLENES
DRO
GRO

[1] Updated April 2004
[2] Only Detected Compounds S
[3] All units in ug/kg, except whe
RBC = Risk-based Concentrat
NOTE: Region III 10/4/95 Dire
risk assessment, "*Evaluation o*
Findley Adhesives, Inc., 2930
Environmental Software Cons
conditional closure was grante

on Map.dwg

Historical Soil Analytical Results