WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8716
TTY 414-263-8713

July 7, 2005

Ivyridge of Wisconsin Inc.
C/O Polacheck Management
Harry Badzinski
800 Woodland Prime, Suite 150
Menomonee Falls, WI 53051

Subject: Final Case Closure, Former Dry Cleaning Tenant at 10442 W. Silver Spring Drive (Timmerman Plaza) in Milwaukee, Wisconsin – STS Project No. 5-87818XA BRRTs # 02-41-540575, FID # 241085570

Dear Mr. Badzinski:

On July 7, 2005, your request for No Further Action for the case described above was reviewed by the Department of Natural Resources, Milwaukee Service Center. The Department reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After a careful review of the no further action request, the Department has determined that the soil contamination resulting from drums of chemicals left after removal of dry cleaning equipment and abandoning the property appears to have been investigated and remediated to the extent practicable under the conditions to Department standards.. Your case meets the requirements of s. NR 708.09 Wis. Adm. Code, and of ch. NR 708(c). Wis. Adm. Code and no further action is required at this time.

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (414)-263-8607.

Sincerely,

Binyoti F. Amungwafor
Hydrogeologist

CC: Ms. Lanette L. Attenbach, STS CONSULTANTS
Case File.

Letter Of Transmittal

To: Vicky Stovall + Binyoti Amurgwafor Hydrogeologist
Program Assistant
Remediation & Redevelopment Program
Wisconsin Dept. of Natural Resources
2300 N. Dr. Martin Luther King Jr., Dr.
Milwaukee, WI 53212

RECEIVED MAY 16 2005 VS

From:
Company: STS Consultants
Name: Lanette Altenbach
Address: 11425 West Lake Park Drive, Milwaukee, WI 53224
Phone: 414-577-1363
Date: May 12, 2005
Site Name: Fmr Drycleaner at Timmerman Plaza
Address: 10442 W. Silver Spring Drive, Milwaukee, WI
FID# 241085570 BRRTS# 02-41-540575

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 which 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.

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

Type of Submittal:
___LUST ___ERP ___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 1 meter of fractured bedrock __ pal exceedance in potable well __ groundwater impacts>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 Proposed	$750 if review is requested	67, 68~
	NR 718 Landspreading Request	$500 mandatory	61~
	Copy of Notification to Treat or 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 greater >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 NR700.11	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~
	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) Monitoring well abandonment forms		

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

Remarks: _____

Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-94

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: SW 1/4 of SW 1/4 of Sec. 29 ; T. 8 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: 10200 - 10448 W. SILVER SPRING DRIVE

City, Village: MILWAUKEE, WI 53225

County: MILWAUKEE

(2) FACILITY NAME

Original Well Owner (If Known): IVY RIDGE

Present Well Owner: SAME c/o POLACHECK PROPERTY MGT CORP

Street or Route: 1110 N OLD WORLD 3rd ST. SUITE 207

City, State, Zip Code: MILWAUKEE WI 53203

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

WI Unique Well No.: ____

Reason For Abandonment

Date of Abandonment: 9-15-97

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) ____

☒ 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.) 22.1 (From groundsurface)

Casing Diameter (in.) 8"

Casing Depth (ft.) 22.1

Lower Drillhole Diameter (in.) 8"

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

(4) Depth to Water (Feet) 11'

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 DRILL 3' DOWN

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) SURFACE

(6) Sealing Materials — For monitoring wells and monitoring well boreholes only
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
ASPHALT	Surface	21.8		
PUREGOLD chips Bentonite	21.8	22.1	50 lbs	

(8) Comments: ____

(9) Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work: [signature] Date Signed: 9-15-97

Street or Route: 2050 South Calhoun RD Telephone Number: 414 782-1600

City, State, Zip Code: NEW BERLIN WI 53151

PERSON COMPLETING ABANDONMENT

(10) FOR DNR OR COUNTY USE ONLY

Date of Verification ____ Date Entered ____

Reviewed/Inspected ____ ☐ Complete Work ☐ Not Complete Work

Follow-Up Necessary ____

Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 3-94

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location — County: MILWAUKEE

SW 1/4 of SW 1/4 of Sec. 29; T. 8 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: 10200-10448 W. SILVER SPRING DRIVE

City, Village: MILWAUKEE WI 53225

(2) FACILITY NAME

Original Well Owner (If Known): IVY RIDGE

Present Well Owner: SAME c/o PILA CHECK PROPERTY MGT CORP

Street or Route: 1110 N OLD WORLD 3rd ST SUITE 207

City, State, Zip Code: MILWAUKEE WI 53203

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

WI Unique Well No.: ____

Reason For Abandonment

Date of Abandonment: 9-15-97

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) ______

☒ 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 groundsurface) 25.6 Casing Diameter (in.) 8" Casing Depth (ft.) 25.6

Lower Drillhole Diameter (in.) 5"

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

(4) Depth to Water (Feet) 18.4

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: Drill 3' down

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) SURFACE

(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)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
Asphalt	Surface	~~2.0~~ 1.6			
PUREGOLD chips BENTONITE	~~3~~ 1.6	25.6	55 lbs		

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work: PSI

Signature of Person Doing Work: [signature] Date Signed: 9-15-97

Street or Route: 2050 S. Calhoun RD. Telephone Number: (414) 782-1600

City, State, Zip Code: NEW BERLIN WI 53151

FOR DNR OR COUNTY USE ONLY

PERSON COMPLETING ABANDONMENT

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B
Rev. 3-94

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location — County: MILWAUKEE

SW 1/4 of SW 1/4 of Sec. 29 ; T. 8 N; R. 21 [X] E [ ] W

(If applicable) ______ Gov't Lot ______ ; Grid Number

Grid Location ______ ft. [ ] N. [ ] S., ______ ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 10200 – 10448 W. SILVER SPRING DRIVE

City, Village: MILWAUKEE WI 53225

(2) FACILITY NAME

Original Well Owner (If Known): IVY RIDGE

Present Well Owner: SAME %o PULA CHECK PROPERTY MGT CORP

Street or Route: 1110 N OLD WORLD 3RD ST. SUITE 207

City, State, Zip Code: MILWAUKEE WI 53203

Facility Well No. and/or Name (If Applicable): MW-3 | WI Unique Well No.: ––––

Reason For Abandonment

Date of Abandonment: 9-15-97

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) ______

[X] Monitoring Well
[ ] Water Well
[ ] Drillhole
[ ] Borehole

Construction Report Available? [ ] Yes [ ] No

Construction Type:
[X] Drilled [ ] Driven (Sandpoint) [ ] Dug
[ ] Other (Specify) ______

Formation Type:
[ ] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 24.8 (From groundsurface)
Casing Diameter (in.) 8"
Casing Depth (ft.) 24.8

Lower Drillhole Diameter (in.) 8"

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown
If Yes, To What Depth? ______ Feet

(4) Depth to Water (Feet) 13.1

Pump & Piping Removed? [ ] Yes [ ] No [X] Not Applicable
Liner(s) Removed? [ ] Yes [ ] No [X] Not Applicable
Screen Removed? [ ] Yes [X] No [ ] Not Applicable
Casing Left in Place? [ ] Yes [ ] No
If No, Explain: Drill 3' down

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

(5) Required Method of Placing Sealing Material

[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) SURFACE

(6) Sealing Materials

[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite

For monitoring wells and monitoring well boreholes only:
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
ASPHALT	Surface	2.5			
PUREGOLD chips BENTONITE	2.5	24.8	55 lbs		

(8) Comments: ______

(9) Name of Person or Firm Doing Sealing Work: [signature]

Signature of Person Doing Work: [signature] | Date Signed: 9-15-97

Street or Route: 2050 S Calhoun RD. | Telephone Number: (414) 782-1600

City, State, Zip Code: NEW Berlin WI. 53151

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected | District/County

Reviewer/Inspector | [ ] Complying Work | [ ] Noncomplying Work

Follow-up Necessary

TOTAL P.04

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 711

February 1, 2005

FID: 241085570
BRRTS: 02-41-540575

Ivyridge of Wisconsin Inc.,
C/o Polacheck Management
Harry Badzinski
800 Woodland Prime, Suite 150
Menomonee Falls, WI 53051

Subject: Reported Contamination at the Former Plaza Dry Clearner (at Timmerman Plaza), 10442 West Silver Spring Dr., Milwaukee

Dear Mr. Badzinski:

On January 31, 2005, Lanette Altenbach, STS Consultants on behalf of Ivyridge of Wisconsin Inc., c/o Polacheck Management notified the Department of Natural Resources (WDNR) that soil contamination had been detected at the site described above. The Department have received check #000423 in the amount of $250 for a No Further Action fee.

Based on the information submitted to the WDNR, we believe you are responsible for restoring the environment at the referenced site under Section 292, Wisconsin Stats., known as the hazardous substances spills law.

This letter describes your legal responsibilities as a person who is responsible under section 292.11, explains what you need to do to investigate, and clean up the contamination; provides you with information about cleanups, environmental consultants, and possible financial assistance; and working cooperatively with the Department of Natural Resources and Department of Commerce ("Commerce").

Legal Responsibilities:

Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11 (3) Wisconsin Statutes, states:

- RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Code chapters NR 700 through NR 749 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response to limited contamination. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:

The longer contamination is left in the environment the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. These are the first three steps to take:

1. Within the next **30 days**, you should submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. If you do not take action within this time frame, the WDNR may initiate enforcement action against you.

2. Within the next **60 days**, your consultant should submit a work plan and schedule for the investigation. The consultant must comply with the requirements in the NR 700 rule series and should refer to WDNR technical guidance documents. To facilitate prompt agency review of your reports, your consultant should use the site investigation and closure formats which are available on-line at www.dnr.state.wi.us.

Once an investigation has established the degree and extent of contamination involved at your site, your consultant will be able to determine whether Commerce or the Department of Natural Resources has authority over the case.

3. Within 30 days of completion of the site investigation, you or your consultant must provide a site investigation report per s. NR 716.15. As the remedial activities proceed, you or your consultant should also provide a brief progress report at least every 90 days as required by s. NR 724.13(3), Wis. Adm. Code. Quarterly reports need only include one or two pages of text, plus any relevant maps and tables. Should conditions at your site warrant, we may require more frequent contacts.

4. Sites where discharges to the environment have been reported are entered into the Bureau for Remediation and Redevelopment Tracking System ("BRRTS"), a version of which appears on the Department's Internet site. You may view the information related to your site at any time (http://www.dnr.state.wi.us/org/aw/rr/brrts) and use the feedback system to alert us to any errors in the data.

If you want a formal response from the Department on a specific submittal, please be aware that a review fee is required in accordance with ch. NR 749, Wis. Adm. Code. If a fee is not submitted with your reports, you should proceed under the advice of your consultant to complete the site investigation to maintain your compliance with the spills law and chs. NR 700 through NR 749. **Do not delay the investigation of your site by waiting for a Department response.** We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative codes and should be able to answer your questions on meeting cleanup requirements.

All correspondence regarding this site should be sent to:

Victoria Stovall, Program Assistant
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee, WI 53212

Unless otherwise requested, please send only one copy of plans and reports. To speed processing, correspondence should reference the BRRTS and FID numbers (if assigned) shown at the top of this letter.

Additional Information for Site Owners:
Information to help you select a consultant, and materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method are enclosed. In addition, *Fact Sheet 2, Voluntary Party Remediation and Exemption from Liability* provides information on obtaining the protection of limited liability under s. 292.15, Stats.

Financial Assistance:
Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) may be available for some of the costs of cleaning up contamination from eligible petroleum storage tanks. Please refer to the enclosed information sheet entitled *"Information about PECFA"* for more information on eligibility and regulations for this program. For more information on the PECFA program, please call the Department of Commerce at 608-266-2424 or visit their web site at:
http://www.commerce.state.wi.us/COM/Com-Petroleum.html. Funding is also available for cleanup at some drycleaning sites.

Call the DNR Victoria Stovall, Program Assistant at (414) 263-8688 for more information on eligibility or visit the RR web site. http://www.dnr.state.wi.us/org/aw/rr. You may also contact this person for all other questions regarding this letter.

Thank you for your cooperation.

Sincerely,

Victoria Stovall

Victoria Stovall
Program Assistant
Remediation & Redevelopment Program
Southeast Region

Enclosures: 1. Fact Sheet
2. Selecting a consultant
3. Fact Sheet 2, VPLE
4. Env. Services Contractors List
5. Inf. About PECFA Fact Sheet

cc: Lanette Altenbach - STS Consultants
WDNR SER Files

STS CONSULTANTS
11425 West Lake Park Drive
Suite 100
Milwaukee, WI 53224

Voice 414-359-3030
Fax 414-359-0822

Fax

Date 1-27-05 No. of Page(s) with Cover

To / Company / Fax Victoria Stovall / WDNR Rsk

Cc / Company / Fax 263-8483

From: /Lanette Altenbach (Writers direct extension; (414) 577-1363; email: altenbach@stsconsultants.com

☐ For Review/Comment ☐ As Requested ☐ For Signature ☐ Urgent ☐ Original to Follow

Message Signed Copy of letter

If you do not receive all pages, please call 414-577-1301 immediately.

Wisconsin Department of Natural Resources
STS Project No. 5-87818XA
January 24, 2005

Monitoring Well MW-1	Sample Result	PAL	ES
Methylene Chloride	2.7	0.5	5
Toluene	0.37 J	200	1,000
Xylene (m-,p-)	0.46 J	1,000	10,000
n-propylbenzene	0.45J	NE	NE
1,2,4-Trimethylbenzene	0.33 J	96	480
1,4-dichlorobenzene	0.28 J	15	75
Naphthalene	0.77 J	8	40
1,2,3-trichlorobenzene	0.42 J	NE	NE

J = Estimated Value
NE = Not Established

Monitoring well MW-1 is a flush-mounted well located in an active parking space in front of the tenant location. The detected petroleum compounds are most likely related to motor vehicles parking over the well. The methylene chloride detection is most likely a laboratory contaminant.

CONCLUSIONS

Based on the laboratory results of soil and groundwater samples PSI recommended no further assessment at the site. On behalf of the property owner, STS requests a "no further response action" decision from the WDNR, under NR 708.09. We have enclosed a check in the amount of $250 for the required NR 708(c) No Further Response Action request fee. Thank you very much for your assistance with this matter.
Respectfully,

STS CONSULTANTS, LTD.

Lanette L. Altenbach, P.G., C.P.G.
Senior Project Scientist - Hydrogeologist

Jeanne M. Tarvin, P.G., C.P.G.
Principal Scientist - Hydrogeologist

STS CONSULTANTS

Wisconsin Department of Natural Resources
STS Project No. 5-87818XA
January 24, 2005

Monitoring Well MW-1	Sample Result	PAL	ES
Methylene Chloride	2.7	0.5	5
Toluene	0.37 J	200	1,000
Xylene (m-,p-)	0.46 J	1,000	10,000
n-propylbenzene	0.45J	NE	NE
1,2,4-Trimethylbenzene	0.33 J	96	480
1,4-dichlorobenzene	0.28 J	15	75
Naphthalene	0.77 J	8	40
1,2,3-trichlorobenzene	0.42 J	NE	NE

J = Estimated Value
NE = Not Established

Monitoring well MW-1 is a flush-mounted well located in an active parking space in front of the tenant location. The detected petroleum compounds are most likely related to motor vehicles parking over the well. The methylene chloride detection is most likely a laboratory contaminant.

CONCLUSIONS

Based on the laboratory results of soil and groundwater samples PSI recommended no further assessment at the site. On behalf of the property owner, STS requests a "no further response action" decision from the WDNR, under NR 708.09. We have enclosed a check in the amount of $250 for the required NR 708(c) No Further Response Action request fee. Thank you very much for your assistance with this matter.

Respectfully,

STS CONSULTANTS, LTD.

Lanette L. Altenbach, P.G., C.P.G.
Senior Project Scientist - Hydrogeologist

Jeanne M. Tarvin, P.G., C.P.G.
Principal Scientist - Hydrogeologist

STS CONSULTANTS

STS Consultants, Ltd.
11425 West Lake Park Drive, Suite 100
Milwaukee, WI 53224

voice 414-359-3030
fax 414-359-0822
web www.stsconsultants.com

January 24, 2005

Ms. Vicki Stovall
Program Assistant
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee, WI 53212

RE: Request for No Further Action, Former Dry Cleaning Tenant at 10442 W. Silver Spring Drive (Timmerman Plaza) in Milwaukee, Wisconsin – STS Project No. 5-87818XA

Dear Ms. Stovall:

STS Consultants Ltd. (STS) has prepared this letter on behalf of Ivyridge of Wisconsin Inc., the property owner. Based on the information contained in the attached reports, STS requests a "no further response action" decision from the WDNR for the Property. The owner's address is:

Ivyridge of Wisconsin Inc.
C/o Polacheck Management
800 Woodland Prime, Suite 150
Menomonee Falls, WI 53051

PROJECT BACKGROUND

A dry cleaning facility was present in the tenant space at 10442 West Silver Spring Drive from 1975 until 1995. In early 1997, the dry cleaner removed their equipment and abandoned the property, but left behind several drums of chemicals. The property manager, on behalf of the owner, arranged for characterization and proper disposal of the drums. In July 1997, as part of a financial transaction, Professional Services Industries Inc. (PSI) conducted a Phase I Environmental Site Assessment of the subject property. The former dry cleaning operation was identified as a recognized environmental condition and PSI recommended that further assessment be conducted.

Subsequently PSI conducted further assessment which included soil and groundwater sampling in and adjacent to the tenant space. These assessments are documented in the following reports:

- *Phase II Limited Environmental Site Assessment for the Property Located at Timmerman Plaza 10442 West Silver Spring Drive, Milwaukee, Wisconsin 53225*, dated September 5, 1997; (soil assessment) and
- *Phase II Limited Environmental Site Assessment for the Property Located at Timmerman Plaza 10442 West Silver Spring Drive, Milwaukee, Wisconsin 53225*, dated September 16, 1997 (groundwater assessment).

These two reports describe the sample collection methods, provide soil boring logs and monitoring well completion diagrams, site layout and sample location maps, and laboratory

analytical results with chain of custody forms. Upon completion of the groundwater sampling and analysis, PSI recommended no further action.

SUBSURFACE MATERIALS

Subsurface materials at the site include a silty clay from zero to 16 feet below ground surface (bgs). The silty clay is underlain by sand or a sandy gravel seam from 16 to 21 feet bgs. This sand/gravel layer is, in turn, underlain by silty clay.

SOIL SAMPLE LABORATORY RESULTS

Five soil samples were collected from one to five feet bgs below the tenant space floor and outside the back door (west side) of the tenant space. The detected volatile organic compounds and their reported concentrations are shown on the table below.

Sample Location/Depth (feet below ground surface)	Trichloroethene (ug/kg)	Tetrachloroethene (ug/kg)	Toluene (ug/kg)
B-1 / 3 feet below floor	260 J	20,000	<120
B-2 / auger refusal/drain tile	No sample obtained		
B-3 / 2-2.5 feet below floor	50 J	27,000	470 J
B-4 / 4 feet below floor	<37	43 J	71 J
B-5 / 3 feet below asphalt (outside)	<33	810	73J
Non Industrial Direct Contact Generic RCLs	160	1,230	3.13×10^6
Industrial Direct Contact Generic RCLs	7,150	55,000	2.04×10^8
Soil to Groundwater Generic RCLs	0.18	0.2	1,500

J = Estimated concentration due to matrix interferences

Complete results tables, laboratory analytical reports and chain of custody forms are included in the attached reports.

GROUNDWATER SAMPLE LABORATORY RESULTS

Three groundwater monitoring wells were installed to evaluate groundwater after the results of the soil samples were received. Monitoring well MW-1 was installed five feet east of the front door of the tenant space (within car parking spaces). Monitoring well MW-2 was installed five feet west of the back door of the tenant space (adjacent to B-5). MW-3 was installed in an assumed downgradient location 25 feet from the back door.

One groundwater sample was analyzed from each monitoring well for volatile organic compounds (VOCs). Neither tetrachloroethene nor trichloroethene were detected in any of the groundwater samples. VOCs were not detected in the groundwater sample from MW-2 or MW-3. Minor concentrations of petroleum VOCs and methylene chloride were detected in the groundwater sample from MW-1. The detected compounds and their respective preventive action limits and enforcement standards are shown on the table below.

ATTACHMENTS

Attachment A - *Phase II Limited Environmental Site Assessment for the Property Located at Timmerman Plaza 10442 West Silver Spring Drive, Milwaukee, Wisconsin 53225*, dated September 5, 1997

Attachment B - *Phase II Limited Environmental Site Assessment for the Property Located at Timmerman Plaza 10442 West Silver Spring Drive, Milwaukee, Wisconsin 53225*, dated September 16, 1997

ATTACHMENT A

Phase II Limited Environmental Site Assessment for the Property Located at Timmerman Plaza 10442 West Silver Spring Drive, Milwaukee, Wisconsin 53225, dated September 5, 1997

PSI Environmental Geotechnical Construction

Consulting • Engineering • Testing

9/5/97

Information To Build On

Environmental
Geotechnical
Construction
Consulting • Engineering • Testing

September 5, 1997

Ms. Emily Burns
Amresco Capital, L. P.
Plaza of the Americas
700 North Pearl Street, Suite 2400
Dallas, Texas 75201-7424

Re: Limited Phase II Environmental Site Assessment Report
Timmerman Plaza
10442 West Silver Spring Drive
Milwaukee, Wisconsin
PSI Project No: 861-7E041

Dear Ms. Burns:

In accordance with our agreement dated August 7, 1997, PSI has performed a Limited Phase II Environmental Site Assessment of the above referenced property. Two copies of the final report are enclosed.

Thank you for choosing PSI as your consultant for this project. If you have any questions, or if we can be of additional service, please call us at (414)641-0911.

Respectfully submitted,
Professional Service Industries, Inc.

Jon Heberer
Project Manager

Jeff Grzeca, P.G.
Department Manager

JH/

Enclosures

cc: Mr. Harold Badzinski, Polachek, Milwaukee, Wisconsin

PHASE II
LIMITED ENVIRONMENTAL SITE ASSESSMENT

for the

PROPERTY LOCATED AT
TIMMERMAN PLAZA
10442 WEST SILVER SPRING DRIVE
MILWAUKEE, WISCONSIN 53225

Prepared for

AMRESCO CAPITAL, L. P.
Plaza of the Americas
700 North Pearl Street
Suite 2400
Dallas, Texas 75201-7424

Prepared by

PSI
16601 WEST DAKOTA STREET
NEW BERLIN, WISCONSIN 53151
PSI PROJECT NO.: 861-7E041

SEPTEMBER 5, 1997

Jon Heberer
Project Manager

Joseph Whittle, P.G., P.E.
Senior Author

Jeff Grzeca, P.G.
Department Manager

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY

PSI has conducted a Limited Phase II Environmental Site Assessment (ESA) at 10442 West Silver Spring Milwaukee, Wisconsin. The subject site is approximately 2,000 square feet in size within one structure, which contains several other retail stores. The subject site was a former drycleaners facility within a mall building but is currently vacant. Adjacent to the southwest of the former drycleaners facility is a Big Wheel Rossi, a retail auto parts store. Adjacent to the northeast of the subject site is Queens-Way Laundry, a laundry mat.

A Phase I ESA was prepared by PSI, PSI Project No. 890-7E073. The Phase I assessment identified a recognized environmental condition (REC) in connection with the site which included the storage and use of dry-cleaning solvent, perchloroethylene (tetrachloroethylene), associated with the former dry-cleaning facility.

The scope of the Phase II Environmental Site Assessment was intended to address the identified recognized environmental condition. The assessment included hand auger soil sampling at five on-site locations with analyses of soil samples collected from four of the locations.

The soil analyses detected concentrations of toluene and tetrachloroethylene concentrations were detected in each of the analyzed samples collected from four soil borings. Trichloroethylene was detected in two soil borings B1 and B3. Naphthalene was detected at an estimated concentration of 48 ug/kg (parts per billion, ppb) in soil boring B1. Bromoform was detected at a concentration of 34 ppb is soil boring B3.

The highest concentrations of tetrachloroethylene, ranging from 20,000 ppb to 27,000 ppb, and the only concentrations of trichloroethene, ranging from an estimated concentration of 50 ppb to 300 ppb were detected in the soil samples collected from soil borings B1 and B3.

Pursuant to Wisconsin Statue 144.76, PSI recommends that the presence of a hazardous substance be reported to the WDNR. The Wisconsin Statue 144.76, commonly referred to as Wisconsin's Hazardous Substance Spill Law, states:

> "A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall notify the Department immediately of any discharge not exempted under sub. (9)."

PSI recommends consultation with legal counsel regarding the obligation and implications of discharge reporting to the WDNR.

The WDNR typically expects remediation to be initiated within 180 days of reporting the release. The WDNR typically requires soils to be remediated to a no detection concentration for substances which are not naturally occurring substances. If remediation to a no detection concentration is not practicable an alternative concentration may be approved by the WDNR which is protective of public health, safety, welfare, and the environment.

> Wisconsin Statue 144.76(3) states: " A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of this state."

In PSI's opinion, the WDNR would consider the concentrations detected to be significant based upon the concentrations detected in the soil, the potential to impact the groundwater to concentrations above the groundwater quality standards and would possibly require additional site investigations and remediation of impacted soils.

This Phase II ESA has provided sufficient information to determine that the soil is impacted by perchloroethylene (tetrachloroethylene) from the REC under investigation. Based on the analytical results, high concentrations of tetrachloroethylene and trichloroethylene, and field observations, PSI recommends additional site investigation activities to include groundwater monitoring wells and soil borings to delineate horizontal and vertical extent of soil impacts.

The summary is not be used alone, this report is to be read in its entirety.

2.0 INTRODUCTION

PSI conducted a Limited Phase II Environmental Site Assessment at 10442 West Silver Spring. This report documents the field investigation activities, laboratory analyses and evaluation of data relative to the recognized environmental conditions investigated.

2.1 AUTHORIZATION

Authorization to perform the assessment was given by a signed copy of PSI revised proposal No. 054-7053, between Amresco Capital Corporation and PSI, dated August 7, 1997. Access to the site was provided by Ms. Emily Burns of Amresco Capital Corporation.

2.2 SITE DESCRIPTION

The subject site is located at 10442 West Silver Spring in Milwaukee, Milwaukee County, Wisconsin. This site is approximately 2000 feet west of the intersection of West Silver Spring and Appleton Avenue. The major streets and features which bound the site include: Appleton Avenue to the northeast; Silver Spring Drive to the south; and the Menomonee River to the west. The subject site is located in the southwest quarter of the southwest quarter of Section 29, Township 08 North Range 21 East.

The subject site is zoned as local business and is located in a developed area with an emphasis on retail facilities and residential property. The subject site is a leased retail space of approximately 2,000 square feet in size within a single-story structure, approximately 205,000 square feet in size, which contains several other retail stores. The subject site is part of a retail property, which is approximately 20 acres in size, consisting of about five buildings. The structure was a former drycleaners facility but is currently vacant. The structure is a single story, slab-on-grade building. The exterior of the structure is a composite of face brick, stone veneer, and pre-cast concrete block wall facing on concrete block backup, and exposed concrete block walls brick. The remaining area of the subject site is a paved parking area.

According to Digger's Hotline, a local utility locating service, the site is serviced by City of Milwaukee water, Metro Milwaukee Sewage District sewer and Wisconsin Electric Power Company electricity and natural gas.

The terrain of the site gently slopes to the west. However, along the western property boundary the terrain moderately to steeply slopes downward approximately ten feet to the Menomonee River adjacent to the property.

2.3 PROJECT BACKGROUND

Previously, PSI performed a Phase I ESA (Project No.: 890-7E073) on the subject site. The Phase I ESA was prepared by Steve Steinhardt, PSI staff consultant. The Phase I ESA identified recognized environmental conditions in connection with the site which included on-site use and storage of perchloroethylene (PCE), also known as tetrachloroethylene, associated with the dry-cleaning facility. It was reported that the site had a built-in containment where spills were collected by a trench which lead to a

sump. The sump was still evident during site reconnaissance. PCE is a highly mobile and dense liquid that has a high potential to permeate and impact the soil and groundwater beneath the areas of use, if not properly handled.

2.4 PURPOSE AND SCOPE

The purpose of this Limited Phase II ESA was to develop information regarding the potential presence impacts in the soil at the property. PSI relied upon directions of the client and the PSI Phase I ESA to prepare the scope of work for this investigation.

As requested, the purpose of this Limited Phase II ESA was to evaluate if soil contamination is present at the site as a result of previous operations within the retail space. Based upon the results of our Phase I ESA and subsequent file review, PSI performed three soil borings within the building and one soil boring outside the rear entrance of the subject site. The borings were advanced to depths between approximately three and five feet below the existing ground surface.

3.0 ASSESSMENT ACTIVITIES

Field investigation and sampling activities were conducted on August 11, 1997, under the supervision of Jeff Grzeca, Department Manager for PSI. Five soil borings were conducted to determine the presence of contaminants of concern associated with the former use of the subject site. Locations of the soil borings are shown on the Soil Sample Location Map, Figure 1.

3.1 RECOGNIZED ENVIRONMENTAL CONDITION

The REC previously identified is associated with a former dry-cleaning facility. Five soil borings were conducted to determine the presence of contaminants of concern associated with the former use of the subject site. Three soil borings, B1, B2, B3, and B4 were place inside the building for the former facility. Soil boring, B1, was placed in the central portion of the retail space previously occupied by the dry-cleaning facility. The boring was advanced to a depth of 5 feet bgs and a sample was collected at depth of three feet bgs. Soil boring B2 was advanced to a depth of approximately one foot bgs when auger refusal was encountered due to a drain tile and no samples were collected from the soil. Soil boring B3 was advanced to a depth of two and one-half feet bgs near the southwest wall and a sample was collected at a depth of two to two and one-half feet bgs. Soil boring B4 was advanced to a depth of four feet bgs near the rear of the subject site and a sample was collected at a depth of four feet bgs. One soil boring B5 was placed outside of the former facility near the rear entrance to a depth of three feet bgs and a sample was collected at three feet bgs.

Based on the use of dry-cleaning solvents associated with this site, the contaminants of concern were determined to be volatile organic compounds (VOCs). Based on field observations, including soil permeability and depth, one soil sample from each soil boring was submitted for VOC analysis. Generally, the soil samples were collected from the soil at the bottom of the borings, where the soils became more dense and limited further penetration by hand augering methods, between the depths of three to five feet bgs. Records documenting drilling and sampling activities are provided in Appendix.

3.2 SOIL SAMPLING

Soil samples were collected for purposes of field screening and classifying. Drilling of four soil borings using a hand auger were performed by Tom Poznanske and Steve Hailer, Field Technicians for PSI. Upon completion of the investigation, soil borings were backfilled with bentonite in accordance with the Wisconsin Administrative Code. Soil samples were collected continuously using a hand auger. The soil sample was contained in the sampling probe. The soil samples were transferred to the laboratory supplied jars using clean, single use Nitrile™ gloves. The sample containers were labeled, placed in a cooler packed with ice and transported under chain-of-custody to PSI Analytical Laboratory in Lawrence, Kansas, WDNR certification No. 999819040. The samples were shipped under chain of custody by overnight carrier for analysis. A complete copy of the laboratory analytical report is provided in Appendix, and a summary of the analytical results are provided in Table 1.

3.3 SOIL SCREENING

Field screening for VOCs during the subsurface probing was performed at each sample interval. To perform the screening each sample was sealed in a Ziplock™ plastic bag. The samples were permitted to equilibrate to approximately 65 degrees Fahrenheit. The headspace above each sample was screened with a Foxboro TVA 1000 photoionization detector (PID) equipped with a 11.8 electron volt lamp. PID results were obtained by inserting the probe into the headspace above each sample and recording the maximum instrument reading. The PID was calibrated prior to use at this project. The calibration procedure includes introduction of zero gas and subsequently a known concentration of isobutylene gas into the instrument. The manufacturer indicates that the sensitivity of the device is 1 part per million (ppm) for VOCs that have an ionization potential equal to or less than the lamp energy. The calibrated PID is used to detect organic vapors in comparison to the isobutylene standard. Due to the inexact volume of the headspace and varying soil conditions, PID readings should only be considered a relative indication of volatile organic compound concentrations. The moisture content of soil and humid atmospheric conditions have been noted to produce inaccurate organic vapor readings due to condensation on the lamp.

3.4 ANALYTICAL PROGRAM

Groundwater and soil samples were submitted to PSI Analytical Laboratory in Lawrence, Kansas, WDNR Certification No. 999819040. A complete copy of the laboratory analytical report and chain-of-custody documentation are contained in the Appendix. In addition, Table 1 summarizes the analyte methods performed.

Four soil samples collected from four subsurface probes were submitted to the laboratory and were analyzed for VOCs by EPA method 8260. In addition, one trip blank was analyzed for VOCs for quality control purposes.

3.5 DECONTAMINATION PROCEDURES

Prior to field work and between samples, the down-hole sampling equipment was decontaminated with an Alconox and potable water solution followed by a potable water rinse. Nitrile™ gloves were worn by all sampling personnel and changed between samples. These procedures were used to reduce the possibility of cross-contamination between samples and boring locations.

3.6 STORAGE AND DISPOSAL OF INVESTIGATIVE DERIVED WASTES

Investigative derived wastes were minimized by using a hand auger. Approximately 30 gallons of decontamination fluids were disposed by pouring the fluid over the pavement to facilitate evaporation. Nitrile™ gloves were disposed as conventional solid waste.

3.7 QUALITY ASSURANCE/QUALITY CONTROL

All sampling, analysis and decontamination procedures were performed in general accordance with WDNR approved methodology. The testing methods are described in the PSI Analytical Quality Assurance Program. Field procedures are described in the PSI Technical Guidance.

Field quality control included the collection of a trip blank during the on-site sampling. The results from this sampling are included with the analytical report in the Appendix. Field decontamination procedures are presented in Section 3.8 of this report.

4.0 DATA ANALYSIS & INTERPRETATION

Analysis and interpretation of the data generated during the field investigation and laboratory testing is presented in the following section. Where appropriate, the results are compared with regulatory limits for the chemicals and compounds identified in the applicable media. Summaries of the analytical results for soil samples are provided in Table 1. Laboratory reports are included in the Appendix.

4.1 SITE HYDROGEOLOGICAL CHARACTERISTICS

The United States Department of Agricultural Soil Conservation Service conducted a soil survey of Waukesha County, Wisconsin, in cooperation with the University of Wisconsin. The soil survey was issued in July 1971 and identifies the soils in the area of the subject site as the Ozaukee-Morley-Mequon Association. These soils are predominantly well drained to somewhat poorly drained silty clay with some to little sand, formed in thin loess and silty clay loam glacial till, on moraines, and overlying bedrock formations. The bedrock formations consist of Cambrian through Devonian rocks that are underlain by crystalline rocks of the Precambrian Era.

The Southeastern Wisconsin Regional Planning Commission supplied PSI with a copy of a "Water-Table Map of Milwaukee, Wisconsin" prepared by the United States Geological Survey. The water table map depicts the regional groundwater level in the upper aquifer. Groundwater elevations were obtained from wells screened in the unconsolidated deposits overlying bedrock or bedrock immediately underlying the unconsolidated deposits. The water table is contoured in twenty-foot intervals and the overall scale is approximately 1:94,000. The contours indicated groundwater flows to the east-northeast with the elevation of the water table being approximately 700 feet above mean sea level. A copy of the Water Table Map is included in the Appendix.

The USGS Milwaukee, Wisconsin, quadrangle, 7.5 minute series topographic map was reviewed for this report. According to the contour lines on the topographic map, the subject site is located approximately 710 feet above mean sea level. Considering the above information, the water table is approximately 10 feet below ground surface (bgs). The contour lines in the area of the subject site indicated that the area slopes slightly to the west with approximately a 10-foot change in elevation between the subject site and the Menomonee River. A copy of the USGS Topographic Map is included in the Appendix.

The description of the subsurface conditions provided herein was derived from on-site observations of soil samples collected only from the locations where borings were installed. The soil stratigraphy at the subject site was generally similar between soil borings. Based on observations of soil samples and cuttings, the general soil stratigraphy is characterized as follows:

- 0 to 0.5 ± feet: Asphalt or concrete
- 0.5 to 2 ± feet: silty clay with gravel
- 2 to 5 ± feet: clay

This general site stratigraphy is consistent with the regional geological conditions discussed earlier. Lithologic logs from the borings drilled at the site are included in the Appendix.

4.2 RECOGNIZED ENVIRONMENTAL CONDITION

The VOC analysis of the soil samples collected to assess the REC previously identified as the former dry-cleaning facility detected concentrations of several VOCs, which consisted of trichloroethene, toluene, tetrachloroethylene, bromoform, and naphthalene.
The soils submitted for laboratory analyses were selected from soil borings based upon field observations, soil permeability and depth, and the results of field screening to determine the presence of contaminants of concern. No elevated PID readings, soil staining, or petroleum odors were noted in the soil borings. However, VOC analyses of soil samples revealed detectable concentrations of the contaminants of concern.

The soil analyses detected concentrations of toluene and tetrachloroethylene concentrations were detected in each of the four soil borings. Trichloroethylene was detected in two soil borings B1 and B3. Naphthalene was detected at an estimated concentration of 48 ug/kg (parts per billion, ppb) in soil boring B1. Bromoform was detected at a concentration of 34 ppb in soil boring B3.

The highest concentrations of tetrachloroethylene, ranging from 20,000 ppb to 27,000 ppb, and the only concentrations of trichloroethene, ranging from an estimated concentration of 50 ppb to 300 ppb were detected in the soil samples collected from soil borings B1 and B3.

Soil samples collected from soil borings B1 and B3 were diluted and reanalyzed due to exceedance in the concentration of tetrachloroethylene. Concentrations of tetrachloroethylene exceeded the analytical range of the chromatograph, which resulted in a value for the minimum concentration. Therefore, samples with an exceedance were diluted to met the analytical range and reanalyzed to determine a concentration of the compound. Concentrations for several of the compounds detected in a few of the samples were estimated by the laboratory due to matrix interference in the sample.

Soil guidelines for benzene, toluene, ethylbenzene, xylenes, and 1,2-dichloroethane are defined in Wisconsin Administrative Code Chapter NR 720. Soil quality standards are based on the potential of the soil contamination to contaminate groundwater in excess of the groundwater standards. Soil standards for substances without a defined standard are "no detect" for substances which are naturally occurring, background concentrations for naturally occurring substances, or, if "no detect" levels or background concentrations are not practical, an alternative soil standard may be approved by the WDNR on a case-by-case basis. The level for soil standards is determined by the WDNR on a site specific basis based on the protection of groundwater quality, public health, safety, welfare or the environment.

VOCs, trichloroethylene, tetrachloroethylene, bromoform and naphthalene, do not have soil quality standards. VOCs with no general WDNR cleanup standards are evaluated on a site by site basis.

One methanol trip blank was collected and analyzed in accordance with the WDNR Analytical Guidance document. No VOCs detected above the method detection limit in the trip blank. Based on the results of the trip blank, no cross contamination appears to affected the samples due to shipping of the samples or laboratory handling and analysis.

5.0 CONCLUSIONS AND RECOMMENDATIONS

PSI has performed a Limited Phase II Environmental Site Assessment of the subject site in substantive compliance with PSI Proposal 054-7053. Based on the results of this assessment, the following conclusions and recommendations have been developed.

The highest concentrations of tetrachloroethylene, ranging from 20,000 ppb to 27,000 ppb, and the only concentrations of trichloroethene, ranging from an estimated concentration of 50 ppb to 300 ppb were detected in the soil samples collected from soil borings B1 and B3. Pursuant to Wisconsin Statue 144.76, PSI recommends that the presence of a hazardous substance be reported to the WDNR. The Wisconsin Statue 144.76, commonly referred to as Wisconsin's Hazardous Substance Spill Law, states:

> "A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall notify the Department immediately of any discharge not exempted under sub. (9)."

PSI recommends consultation with legal counsel regarding the obligation and implications of discharge reporting to the WDNR.

In PSI's opinion, the WDNR would consider the concentrations detected to be significant based upon the concentrations detected in the soil, the potential to impact the groundwater to concentrations above the groundwater quality standards and would possibly require additional site investigations and remediation of impacted soils.

The WDNR typically expects remediation to be initiated within 180 days of reporting the release. The WDNR typically requires soils to be remediated to a no detection concentration for substances which are not naturally occurring substances. If remediation to a no detection concentration is not practicable an alternative concentration may be approved by the WDNR which is protective of public health, safety, welfare, and the environment.

> Wisconsin Statue 144.76(3) states: " A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of this state."

Soil quality standards are based on the potential of the soil contamination to contaminate groundwater in excess of the groundwater standards. Soil standards for substances without a defined standard are "no detect" for substances which are naturally occurring, background concentrations for naturally occurring substances, or, if "no detect" levels or background concentrations are not practical, an alternative soil standard may be approved by the Wisconsin Department of Natural Resources (WDNR) on a case-by-case basis. The level for soil standards is determined by the

WDNR on a site specific basis based on the protection of groundwater quality, public health, safety, welfare or the environment.

Wisconsin Administrative Codes chapters NR 700 through NR 728 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response to limited contamination. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

This Phase II ESA has provided sufficient information to determine that the soil is impacted by perchloroethylene (tetrachloroethylene) from the REC under investigation. Based on the analytical results, high concentrations of tetrachloroethylene and trichloroethylene, and field observations, PSI recommends additional site investigation activities to include groundwater monitoring wells and soil borings to delineate horizontal and vertical extent of soil impacts.

6.0 REPRESENTATIONS

6.1 WARRANTY

The field observations, measurements, and research reported herein are considered sufficient in detail and scope to form a reasonable basis for a Phase II Environmental Site Assessment of this property. The assessment, conclusions, and recommendations presented herein are based upon the subjective evaluation of limited data. They may not represent all conditions at the subject site as they reflect the information gathered from specific locations. PSI warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental investigation methodology and only for the site described in this report.

The Phase II Environmental Site Assessment has been developed to provide the client with information regarding apparent indications of recognized environmental conditions relating to the subject property. It is necessarily limited to the conditions observed and to the information available at the time of the work.

Due to the limited nature of the work, there is a possibility that there may exist conditions which could not be identified within the scope of the assessment or which were not apparent at the time of report preparation. It is also possible that the testing methods employed at the time of the report may later be superseded by other methods. The description, type, and composition of what are commonly referred to as "hazardous materials or conditions" can also change over time. PSI does not accept responsibility for changes in the state of the art, nor for changes in the scope of various lists of hazardous materials or conditions. PSI believes that the findings and conclusions provided in this report are reasonable. However, no other warranties are implied or expressed.

6.2 USE BY THIRD PARTIES

This report was prepared pursuant to the contract PSI has with Fleming Companies, Inc. That contractual relationship included an exchange of information about the subject site that was unique and between PSI and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between PSI and its client, reliance or any use of this report by anyone other than Fleming Companies, Inc., for whom it was prepared, is prohibited and therefore not foreseeable to PSI.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to PSI's contract with client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

LIST OF TABLES

SOIL ANALYTICAL DATA

Table 1
Soil Analytical Data

Amresco Capital Corportion

Timmerman Plaza
Milwaukee, Wisconsin

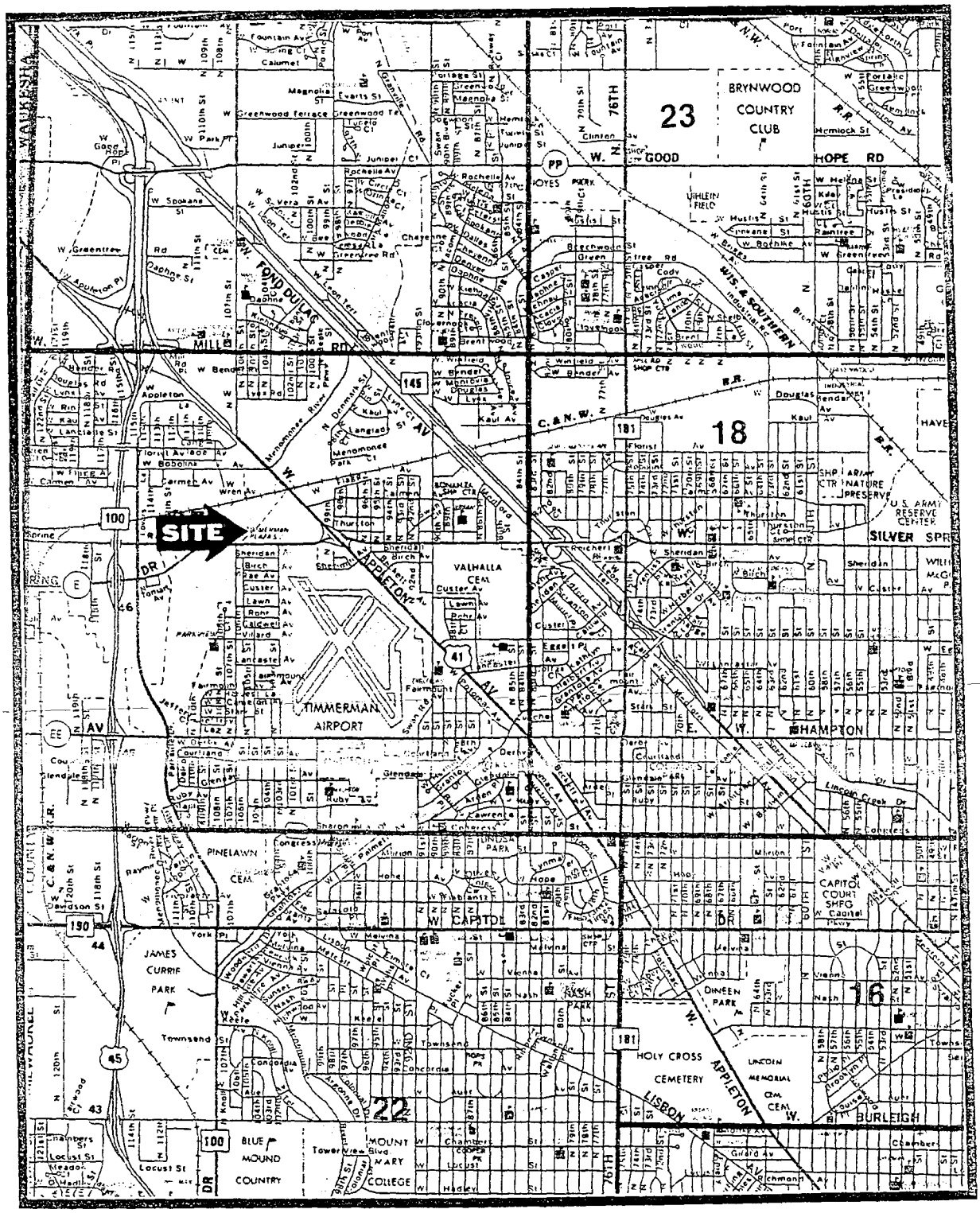
August 1997

Parameter	Units	B-1	B-1 Diluted	B-3	B-3 Diluted	B-4	B-5	Trip Blank
Dichlorodifluoromethane	ug/kg	< 37	< 150	< 32	< 130	< 34	< 29	< 29
Chloromethane	ug/kg	< 53	< 210	< 46	< 180	< 48	< 42	< 41
Vinyl Cloride	ug/kg	< 48	< 190	< 42	< 170	< 44	< 38	< 37
Bromomethane	ug/kg	< 35	< 140	< 30	< 120	< 31	< 27	< 27
Chloroethane	ug/kg	< 63	< 250	< 55	< 220	< 57	< 50	< 49
Trichlorofluoromethane	ug/kg	< 26	< 100	< 23	< 91	< 24	< 21	< 20
Trichlorotrifluoroethane	ug/kg	< 58	< 230	< 50	< 200	< 52	< 45	< 44
1,1-Dichloroethene	ug/kg	< 38	< 150	< 33	< 130	< 34	< 30	< 29
Acetone	ug/kg	< 130	< 510	< 110	< 440	< 110	< 100	< 97
Carbon Disulfide	ug/kg	< 31	< 120	< 27	< 110	< 28	< 24	< 24
Methylene Chloride	ug/kg	< 37	< 150	< 32	< 130	< 34	< 29	< 29
Tert Butyl Methyl Ether	ug/kg	< 46	< 190	< 40	< 160	< 42	< 37	< 36
Tert Butyl Alcohol	ug/kg	< 780	< 3100	< 680	< 2700	< 700	< 610	< 590
trans-1,2-Dichloroethene	ug/kg	< 41	< 160	< 36	< 140	< 37	< 33	< 32
1,1-Dichloroethane	ug/kg	< 30	< 120	< 26	< 100	< 27	< 24	< 23
Di-Isopropyl Ether	ug/kg	< 34	< 140	< 30	< 120	< 31	< 27	< 26
2,2-Dichloropropane	ug/kg	< 46	< 180	< 40	< 160	< 41	< 36	< 35
cis-1,2-Dichloroethene	ug/kg	< 43	< 170	< 37	< 150	< 38	< 34	< 33
2-Butanone	ug/kg	< 70	< 280	< 61	< 240	< 63	< 55	< 54
Chloroform	ug/kg	< 37	< 150	< 32	< 130	< 34	< 29	< 29
Bromochloromethane	ug/kg	< 31	< 130	< 27	< 110	< 28	< 25	< 24
1,1,1-Trichloroethane	ug/kg	< 35	< 140	< 31	< 120	< 32	< 28	< 27
Carbon Tetrachloride	ug/kg	< 29	< 120	< 25	< 100	< 26	< 23	< 22
1,1-Dichloropropene	ug/kg	< 34	< 140	< 30	< 120	< 31	< 27	< 26
Benzene	ug/kg	< 33	< 130	< 28	< 110	< 30	< 26	< 25
1,2-Dichloroethane	ug/kg	< 38	< 150	< 33	< 130	< 34	< 30	< 29
Trichloroethene	ug/kg	300	260 J	50 J	< 140	< 37	< 33	< 32
1,2-Dichloropropane	ug/kg	< 24	< 94	< 20	< 82	< 21	< 19	< 18
Bromodichloromethane	ug/kg	< 31	< 130	< 27	< 110	< 28	< 25	< 24
Dibromomethane	ug/kg	< 27	< 110	< 24	< 95	< 25	< 22	< 21
4-Methyl-2-Pentanone	ug/kg	< 89	< 360	< 77	< 310	< 80	< 70	< 68
Toluene	ug/kg	78 J	< 120	130	470 J	71 J	73 J	< 22
1,1,2-Trichloroethane	ug/kg	< 40	< 160	< 35	< 140	< 36	< 31	< 31
1,2-Dibromoethane	ug/kg	< 35	< 140	< 30	< 120	< 31	< 27	< 27
cis-1,3-Dichloropropene	ug/kg	< 33	< 130	< 29	< 120	< 30	< 26	< 26
trans-1,3-Dichloropropene	ug/kg	< 34	< 140	< 30	< 120	< 31	< 27	< 26
1,3-Dichloropropane	ug/kg	< 38	< 150	< 33	< 130	< 34	< 30	< 29
2-Hexanone	ug/kg	< 52	< 210	< 45	< 180	< 47	< 41	< 40
Dibromochloromethane	ug/kg	< 27	< 110	< 23	< 93	< 24	< 21	< 21
Tetrachloroethene	ug/kg	21,000 E	20,000	28,000 E	27,000	43 J	810	< 27
Chlorobenzene	ug/kg	< 37	< 150	< 32	< 130	< 33	< 29	< 28
1,1,1,2-Tetrachloroethane	ug/kg	< 39	< 150	< 34	< 130	< 35	< 30	< 30
Ethylbenzene	ug/kg	< 35	< 140	< 31	< 120	< 32	< 28	< 27
Xylene (m-,p-)	ug/kg	< 62	< 250	< 54	< 220	< 56	< 49	< 48
o-Xylene	ug/kg	< 30	< 120	< 26	< 100	< 27	< 24	< 23
Styrene	ug/kg	< 32	< 130	< 28	< 110	< 29	< 25	< 25
Bromoform	ug/kg	< 39	< 150	34	< 130	< 35	< 30	< 30
Isopropylbenzene	ug/kg	< 36	< 140	< 31	< 120	< 32	< 28	< 28
1,1,2,2-Tetrachloroethane	ug/kg	< 40	< 160	< 35	< 140	< 36	< 31	< 31
1,2,3-Trichloropropane	ug/kg	< 34	< 140	< 30	< 120	< 31	< 27	< 26
Bromobenzene	ug/kg	< 37	< 150	< 32	< 130	< 34	< 29	< 29
n-Propylbenzene	ug/kg	< 30	< 120	< 26	< 100	< 27	< 24	< 23
2-Chlorotoluene	ug/kg	< 65	< 260	< 56	< 220	< 58	< 51	< 50
4-Chlototoluene	ug/kg	< 50	< 200	< 43	< 170	< 45	< 39	< 38
1,3,5-Trimethylbenzene	ug/kg	< 33	< 130	< 28	< 110	< 30	< 26	< 25
tert-Butylbenzene	ug/kg	< 42	< 170	< 36	< 150	< 38	< 33	< 32
1,2,4-Trimethylbenzene	ug/kg	< 35	< 140	< 31	< 120	< 32	< 28	< 27
sec-Butylbenzene	ug/kg	< 36	< 140	< 31	< 120	< 32	< 28	< 28
p-Isopropyltoluene	ug/kg	< 30	< 120	< 26	< 100	< 27	< 24	< 23
1,3-Dichlorobenzene	ug/kg	< 37	< 150	< 32	< 130	< 33	< 29	< 28
1,4-Dichlorobenzene	ug/kg	< 37	< 150	< 32	< 130	< 33	< 29	< 28
n-Butylbenzene	ug/kg	< 43	< 170	< 37	< 150	< 39	< 34	< 33
1,2-Dichlorobenzene	ug/kg	< 32	< 130	< 28	< 110	< 29	< 25	< 25
1,2-Dibromo-3-Chloropropane	ug/kg	< 39	< 160	< 34	< 140	< 35	< 31	< 30
1,2,4-Trichlorobenzene	ug/kg	< 42	< 170	< 36	< 150	< 38	< 33	< 32
Hexachlorobutadiene	ug/kg	< 60	< 240	< 52	< 210	< 54	< 47	< 46
Napthalene	ug/kg	49 J	< 170	< 37	< 150	< 38	< 34	< 33
1,2,3-Trichlorobenzene	ug/kg	< 34	< 140	< 30	< 120	< 31	< 27	< 26

J - Data flagged by the laboratory, defined as 'Estimated concentration due to matrix interference'

E - Data flagged by the laboratory, defined as 'Exceeds calibration range'

LIST OF FIGURES



Milwaukee County Street Map

North

SCALE

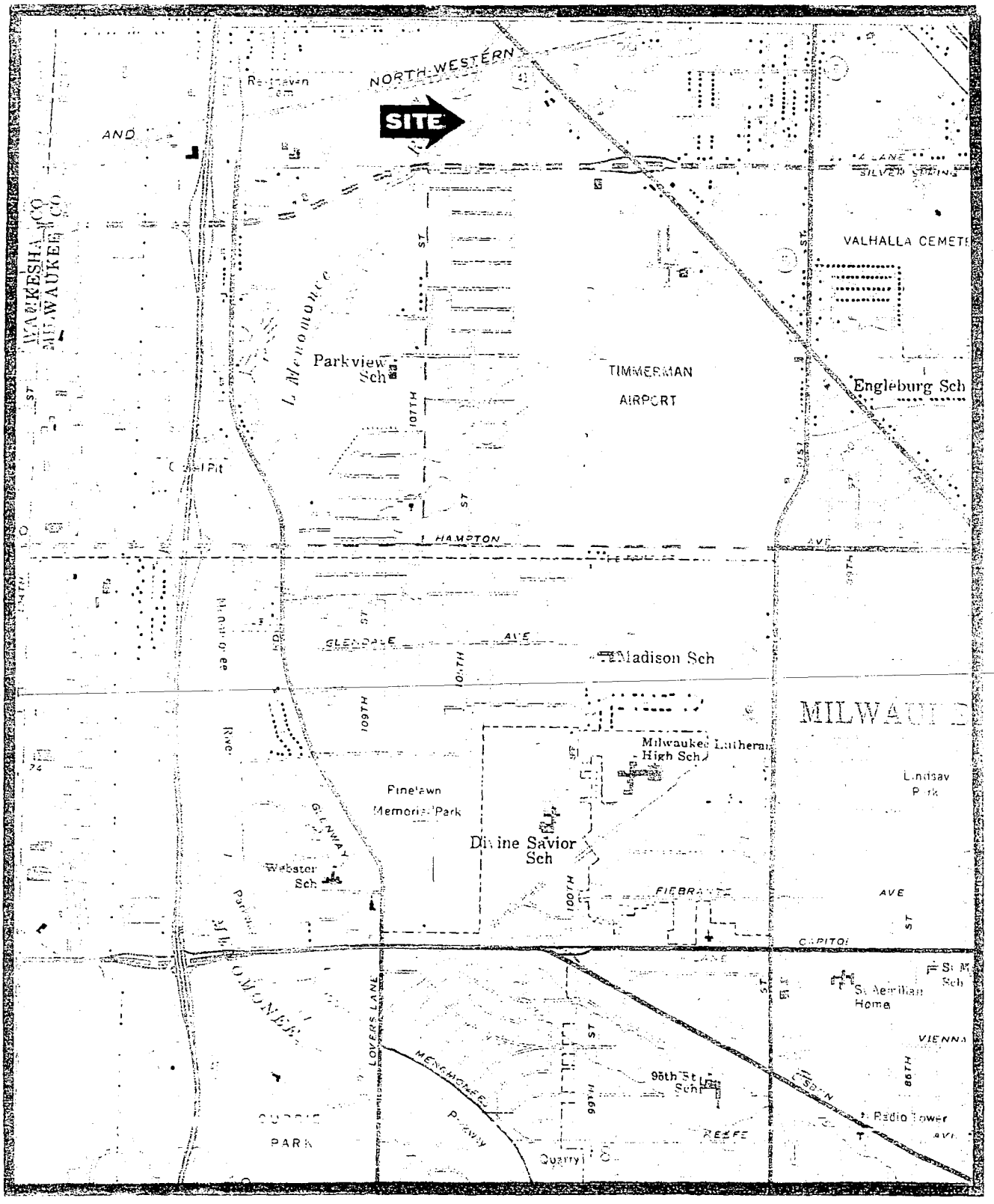
0 ½ 1

MILES

KILOMETERS

0

WAUWATOSA QUADRANGLE



SCALE 1:24 000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

GN MN
0°43'
13 MILS
18 MILS

GRID AND 1971 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

WISCONSIN

QUADRANGLE LOCATION

WATER-TABLE MAP OF MILWAUKEE COUNTY, WISCONSIN

MAY, 1979

EXPLANATION

WATER-TABLE CONTOUR

Shows altitude of water table Contour interval 20 feet, with supplemental contour interval of 10 feet, shown as dashed lines. Datum is mean sea level.

WELL OR BORING

Used to determine water table

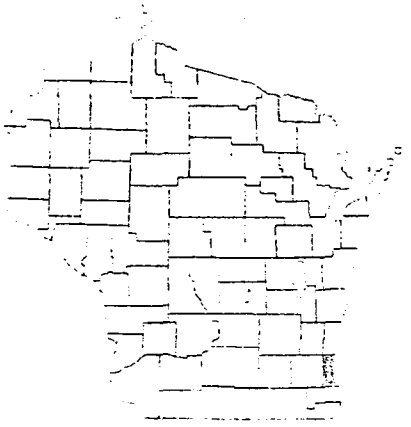
The water table is the upper surface of a zone of saturation. It is defined by the levels at which the water stands in wells that penetrate the water body just far enough to hold standing water. In wells that penetrate to greater depths, the water level may stand above or below the water table.

The data used to make this map were taken from many sources and include water levels from different years and seasons. An effort was made to use data that represented average water levels.

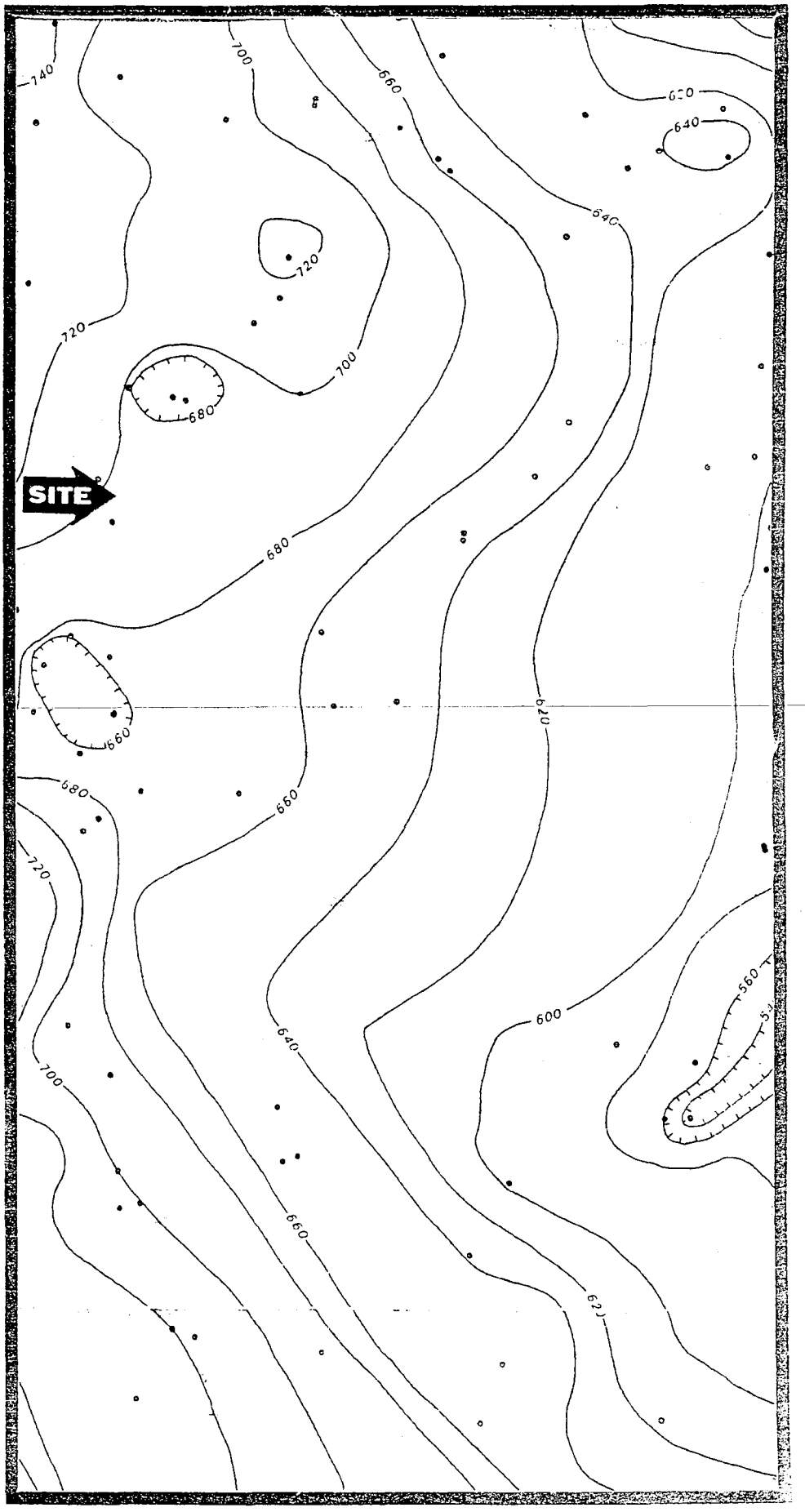
SCALE 1:100,000

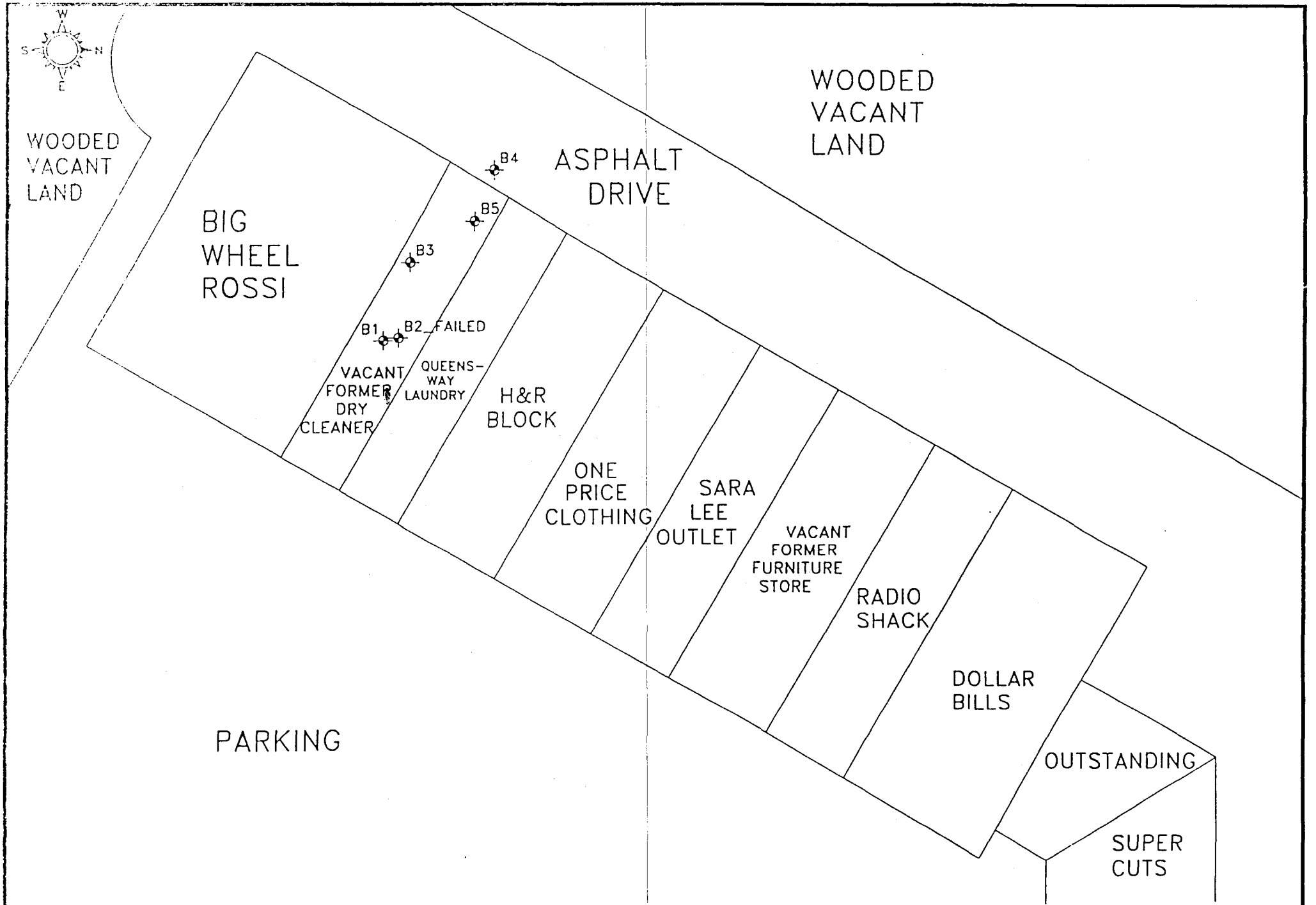
0 1 2 3 MILES

0 1 2 3 4 KILOMETERS



LOCATION OF MILWAUKEE COUNTY IN WISCONSIN





LEGEND

⌖	SOIL SAMPLE LOCATION

psi Environmental Geotechnical Construction
Consulting Engineering Testing

PROFESSIONAL SERVICE INDUSTRIES, INC
16601 WEST DAKOTA STREET
NEW BERLIN, WISCONSIN 53151
(414) 641-0911

AMRESCO CAPITOL CORPORATION TIMMERMAN PLAZA MILWAUKEE, WI	MCBD	08/21/97	001
SOIL SAMPLE LOCATIONS	NONE		861-7E041

APPENDICES

SOIL BORING LOGS
LABORATORY ANALYTICAL REPORTS

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Superfund ☐ Other _____

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 5-92

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Timmerman Plaza, 10442 West Silver Spring, Milwaukee		**B-1**

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
PSI, Inc. **Tom Poznanske and Steve Hailer**	08 / 11 / 97 (MM DD YY)	08 / 11 / 97 (MM DD YY)	**Hand Auger**

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _	_ _ _ _ _ _ _	B-1	_____ Feet MSL	710.0 Feet MSL	3.00 inches

Boring Location
State Plane 414960 N, 2522320 E S
SW 1/4 of SW 1/4 of Section 29, T 8 N, R 21 E
Lat 43° 7' 15"
Long 88° 2' 36"

Local Grid Location (If applicable)
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

County	DNR County Code	Civil Town/City/ or Village
Milwaukee	**41**	**City of Milwaukee**

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geological 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	**0.0 to 0.5 Concrete**	FILL			ND						
			1.0	**0.5 to 4.0 brown, silty CLAY, with gravel**	CL			ND						
			2.0											
			3.0											
			4.0	**4.0 to 5.0 brown, CLAY**	CL			ND						
			5.0	**End of boring at 5 feet**										
			6.0											
			7.0											
			8.0											
			9.0											
			10.0											
			11.0											
			12.0											

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

Signature

Firm **PSI**
16601 West Dakota Street, New Berlin, WI 53151 (414) 641-0911

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

8611-7E041

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Superfund ☐ Other _____

SOIL BORING LOG INFORMATION
Form 4400-122 Rev 5-92

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Timmerman Plaza, 10442 West Silver Spring, Milwaukee		**B-3**

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
PSI, Inc. **Tom Poznanske and Steve Hailer**	08 / 11 / 97 MM DD YY	08 / 11 / 97 MM DD YY	**Hand Auger**

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _	_ _ _ _ _ _ _		_____ Feet MSL	710.0 Feet MSL	3.00 inches

Boring Location
State Plane 414960 N, 2522320 E S
SW 1/4 of SW 1/4 of Section 29, T 8 N, R 21 E
Lat 43° 7' 15"
Long 88° 2' 36"

Local Grid Location (If applicable)
_____ Feet ☐ N ☐ E
_____ Feet ☐ S ☐ W

County	DNR County Code	Civil Town/City/ or Village
Milwaukee	**41**	**City of Milwaukee**

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geological 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
			1.0	0.0 to 0.5 **Concrete**	FILL			ND						
			2.0	0.5 to 2.0 **brown, Silty CLAY, with gravel**	CL			ND						
			3.0	2.0 to 2.5 **brown, CLAY**	CL			ND						
			4.0	**End of boring at 2.5 feet**										
			5.0											
			6.0											
			7.0											
			8.0											
			9.0											
			10.0											
			11.0											
			12.0											

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

Signature

Firm **PSI**
16001 West Dakota Street, New Berlin, WI 53151 (414)641-0911

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Superfund ☐ Other _____

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 5-92

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Timmerman Plaza, 10442 West Silver Spring, Milwaukee		**B-4**

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
PSI, Inc. **Tom Poznanske and Steve Hailer**	08 / 11 / 97 (MM DD YY)	08 / 11 / 97 (MM DD YY)	**Hand Auger**

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _	_ _ _ _ _ _ _		_____ Feet MSL	710.0 Feet MSL	3.00 inches

Boring Location
State Plane 414960 N, 2522320 E S
SW 1/4 of SW 1/4 of Section 29, T 8 N, R 21 E

Lat 43° 7' 15"
Long 88° 2' 36"

Local Grid Location (If applicable)
_____ Feet ☐ N ☐ E
_____ Feet ☐ S ☐ W

County	DNR County Code	Civil Town/City/ or Village
Milwaukee	**41**	**City of Milwaukee**

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geological 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
			1.0	**0.0 to 0.5 Asphalt with stone beneath**	FILL			ND						
			2.0	**0.5 to 4.0 brown, silty CLAY with gravel**	CL			ND						
			3.0											
			4.0	**End of boring at 4 feet**										
			5.0											
			6.0											
			7.0											
			8.0											
			9.0											
			10.0											
			11.0											
			12.0											

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

Signature

Firm **PSI**
16601 West Dakota Street, New Berlin, WI 53151 (414) 641-0911

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

8561-7E041

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Superfund ☐ Other _____

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 5-92

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Timmerman Plaza, 10442 West Silver Spring, Milwaukee		B-5

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
PSI, Inc. **Tom Poznanske and Steve Hailer**	08 / 11 / 97 (MM DD YY)	08 / 11 / 97 (MM DD YY)	**Hand Auger**

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	710.0 Feet MSL	3.00 inches

Boring Location
State Plane 414960 N, 2522320 E S
SW 1/4 of SW 1/4 of Section 29, T 8 N, R 21 E
Lat 43° 7' 15"
Long 88° 2' 36"

Local Grid Location (If applicable)
☐ N _____ Feet ☐ S ☐ E _____ Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Milwaukee	**41**	**City of Milwaukee**

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geological 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
			1.0	0.0 to 0.5 **Concrete**	FILL			ND						
			2.0	0.5 to 1.0 **brown, silty CLAY**	CL			ND						
			3.0	1.0 to 3.0 **brown CLAY**	CL			ND						
			4.0	**End of boring at 3 feet**										
			5.0											
			6.0											
			7.0											
			8.0											
			9.0											
			10.0											
			11.0											
			12.0											

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

Signature

Firm **PSI**
16601 West Dakota Street, New Berlin, WI 53151 (414) 641-0011

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

861-7E041

Environmental
Geotechnical
Construction
Consulting • Engineering • Testing

ANALYTICAL REPORT

TESTED FOR: PSI
16601 West Dakota Street
New Berlin, WI 53151

PROJECT NAME: Timmerman Plaza
PROJECT NUMBER: 861-7E041

ATTENTION: Jeff Grzeca

REPORT DATE: August 19, 1997

PSI LAB REPORT NUMBER: 861-7E041-46742

Attached, please find our analytical report for samples described on the Chain-of-Custody Record. Please reference our report number and direct any questions regarding this report to the individual designated below or to one of our Customer Service Representatives.

Respectfully Submitted,
Professional Service Industries, Inc.

Lawrence Chemistry
Laboratory Manager

8-19-97
Date

PSI-Lawrence

Data File:	A7002.D	**Lab Sample # :**	898532 25ul
Analyst:	Jim M.	**Client Name:**	B-1
Method:	8260 Volatiles	**Dilution:**	261.6
Date of Extraction:	08/15/97	**Units:**	ug/kg
Date of Analysis:	08/15/97	**Matrix:**	Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
2	DICHLORODIFLUOROMETHANE	<150		150
3	CHLOROMETHANE	<210		210
4	VINYL CHLORIDE	<190		190
5	BROMOMETHANE	<140		140
6	CHLOROETHANE	<250		250
7	TRICHLOROFLUOROMETHANE	<100		100
8	TRICHLOROTRIFLUOROETHANE	<230		230
9	1,1-DICHLOROETHENE	<150		150
10	ACETONE	<510		510
11	CARBON DISULFIDE	<120		120
12	METHYLENE CHLORIDE	<150		150
13	TERT BUTYL METHYL ETHER	<190		190
14	TERT BUTYL ALCOHOL	<3100		3100
15	TRANS 1,2-DICHLOROETHENE	<160		160
17	1,1-DICHLOROETHANE	<120		120
18	DI-ISOPPROPYL ETHER	<140		140
19	2,2-DICHLOROPROPANE	<180		180
20	CIS-1,2-DICHLOROETHENE	<170		170
21	2-BUTANONE	<280		280
22	CHLOROFORM	<150		150
23	BROMOCHLOROMETHANE	<130		130
24	1,1,1-TRICHLOROETHANE	<140		140
26	CARBON TETRACHLORIDE	<120		120
27	1,1-DICHLOROPROPENE	<140		140
29	BENZENE	<130		130
30	1,2-DICHLOROETHANE	<150		150
31	TRICHLOROETHENE	260	J	160
32	1,2-DICHLOROPROPANE	<94		94
33	BROMODICHLOROMETHANE	<130		130
34	DIBROMOMETHANE	<110		110
36	4-METHYL-2-PENTANONE	<360		360
38	TOLUENE	<120		120
39	1,1,2-TRICHLOROETHANE	<160		160
40	1,2,-DIBROMOETHANE	<140		140
41	CIS-1,3-DICHLOROPROPENE	<130		130

J: Estimated value, below method quantitation limit.

PSI-Lawrence

Data File:	A7002.D	**Lab Sample # :**	898532 25ul
Analyst:	Jim M.	**Client Name:**	B-1
Method:	8260 Volatiles	**Dilution:**	261.6
Date of Extraction:	08/15/97	**Units:**	ug/kg
Date of Analysis:	08/15/97	**Matrix:**	Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
42	TRANS-1,3-DICHLOROPROPENE	<140		140
44	1,3-DICHLOROPROPANE	<150		150
45	2-HEXANONE	<210		210
46	DIBROMOCHLOROMETHANE	<110		110
47	TETRACHLOROETHENE	20000		140
48	CHLOROBENZENE	<150		150
49	1,1,1,2-TETRACHLOROETHANE	<150		150
50	ETHYLBENZENE	<140		140
51	XYLENE (m-,p-)	<250		250
52	o-XYLENE	<120		120
53	STYRENE	<130		130
54	BROMOFORM	<150		150
57	ISOPROPYLBENZENE	<140		140
58	1,1,2,2-TETRACHLOROETHANE	<160		160
59	1,2,3-TRICHLOROPROPANE	<140		140
60	BROMOBENZENE	<150		150
61	n-PROPYLBENZENE	<120		120
62	2-CHLOROTOLUENE	<260		260
63	4-CHLOROTOLUENE	<200		200
64	1,3,5-TRIMETHYLBENZENE	<130		130
65	tert-BUTYLBENZENE	<170		170
66	1,2,4-TRIMETHYLBENZENE	<140		140
67	sec-BUTYLBENZENE	<140		140
68	p-ISOPROPYLTOLUENE	<120		120
69	1,3-DICHLOROBENZENE	<150		150
70	1,4-DICHLOROBENZENE	<150		150
71	n-BUTYLBENZENE	<170		170
72	1,2-DICHLOROBENZENE	<130		130
73	1,2DIBROMO3CHLOROPROPANE	<160		160
74	1,2,4-TRICHLOROBENZENE	<170		170
75	HEXACHLOROBUTADIENE	<240		240
76	NAPHTHALENE	<170		170
77	1,2,3-TRICHLOROBENZENE	<140		140

Surrogates	% Recovery
1,2-DICHLOROETHANE-d4	111%
BENZENE-d6	102%
TOLUENE-d8	111%
BROMOFLUOROBENZENE	112%

PSI-Lawrence

Data File: A6992.D
Analyst: Jim M.
Method: 8260 Volatiles
Date of Extraction: 08/14/97
Date of Analysis: 08/14/97

Lab Sample # : 898532 100ulMeoh-5
Client Name: B-1
Dilution: 65.4
Units: ug/kg
Matrix: Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
2	DICHLORODIFLUOROMETHANE	<37		37
3	CHLOROMETHANE	<53		53
4	VINYL CHLORIDE	<48		48
5	BROMOMETHANE	<35		35
6	CHLOROETHANE	<63		63
7	TRICHLOROFLUOROMETHANE	<26		26
8	TRICHLOROTRIFLUOROETHANE	<58		58
9	1,1-DICHLOROETHENE	<38		38
10	ACETONE	<130		130
11	CARBON DISULFIDE	<31		31
12	METHYLENE CHLORIDE	<37		37
13	TERT BUTYL METHYL ETHER	<46		46
14	TERT BUTYL ALCOHOL	<780		780
15	TRANS 1,2-DICHLOROETHENE	<41		41
17	1,1-DICHLOROETHANE	<30		30
18	DI-ISOPPROPYL ETHER	<34		34
19	2,2-DICHLOROPROPANE	<46		46
20	CIS-1,2-DICHLOROETHENE	<43		43
21	2-BUTANONE	<70		70
22	CHLOROFORM	<37		37
23	BROMOCHLOROMETHANE	<31		31
24	1,1,1-TRICHLOROETHANE	<35		35
26	CARBON TETRACHLORIDE	<29		29
27	1,1-DICHLOROPROPENE	<34		34
29	BENZENE	<33		33
30	1,2-DICHLOROETHANE	<38		38
31	TRICHLOROETHENE	300		41
32	1,2-DICHLOROPROPANE	<24		24
33	BROMODICHLOROMETHANE	<31		31
34	DIBROMOMETHANE	<27		27
36	4-METHYL-2-PENTANONE	<89		89
38	TOLUENE	78	J	29
39	1,1,2-TRICHLOROETHANE	<40		40
40	1,2,-DIBROMOETHANE	<35		35
41	CIS-1,3-DICHLOROPROPENE	<33		33

J: Estimated value, below method quantitation limit.

PSI-Lawrence

Data File: A6992.D
Analyst: Jim M.
Method: 8260 Volatiles
Date of Extraction: 08/14/97
Date of Analysis: 08/14/97

Lab Sample # : 898532 100ulMeoh-5
Client Name: B-1
Dilution: 65.4
Units: ug/kg
Matrix: Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
42	TRANS-1,3-DICHLOROPROPENE	<34		34
44	1,3-DICHLOROPROPANE	<38		38
45	2-HEXANONE	<52		52
46	DIBROMOCHLOROMETHANE	<27		27
47	TETRACHLOROETHENE	21000	E	35
48	CHLOROBENZENE	<37		37
49	1,1,1,2-TETRACHLOROETHANE	<39		39
50	ETHYLBENZENE	<35		35
51	XYLENE (m-,p-)	<62		62
52	o-XYLENE	<30		30
53	STYRENE	<32		32
54	BROMOFORM	<39		39
57	ISOPROPYLBENZENE	<36		36
58	1,1,2,2-TETRACHLOROETHANE	<40		40
59	1,2,3-TRICHLOROPROPANE	<34		34
60	BROMOBENZENE	<37		37
61	n-PROPYLBENZENE	<30		30
62	2-CHLOROTOLUENE	<65		65
63	4-CHLOROTOLUENE	<50		50
64	1,3,5-TRIMETHYLBENZENE	<33		33
65	tert-BUTYLBENZENE	<42		42
66	1,2,4-TRIMETHYLBENZENE	<35		35
67	sec-BUTYLBENZENE	<36		36
68	p-ISOPROPYLTOLUENE	<30		30
69	1,3-DICHLOROBENZENE	<37		37
70	1,4-DICHLOROBENZENE	<37		37
71	n-BUTYLBENZENE	<43		43
72	1,2-DICHLOROBENZENE	<32		32
73	1,2DIBROMO3CHLOROPROPANE	<39		39
74	1,2,4-TRICHLOROBENZENE	<42		42
75	HEXACHLOROBUTADIENE	<60		60
76	NAPHTHALENE	48	J	43
77	1,2,3-TRICHLOROBENZENE	<34		34

Surrogates	% Recovery
1,2-DICHLOROETHANE-d4	106%
BENZENE-d6	114%
TOLUENE-d8	111%
BROMOFLUOROBENZENE	108%

E: Exceeds calibration range.
J: Estimated value, below method quantitation limit.

Data File: A7003.D
Analyst: Jim M.
Method: 8260 Volatiles
Date of Extraction: 08/15/97
Date of Analysis: 08/15/97

Lab Sample # : 898533 25ul
Client Name: B-3
Dilution: 227.2
Units: ug/kg
Matrix: Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
2	DICHLORODIFLUOROMETHANE	<130		130
3	CHLOROMETHANE	<180		180
4	VINYL CHLORIDE	<170		170
5	BROMOMETHANE	<120		120
6	CHLOROETHANE	<220		220
7	TRICHLOROFLUOROMETHANE	<91		91
8	TRICHLOROTRIFLUOROETHANE	<200		200
9	1,1-DICHLOROETHENE	<130		130
10	ACETONE	<440		440
11	CARBON DISULFIDE	<110		110
12	METHYLENE CHLORIDE	<130		130
13	TERT BUTYL METHYL ETHER	<160		160
14	TERT BUTYL ALCOHOL	<2700		2700
15	TRANS 1,2-DICHLOROETHENE	<140		140
17	1,1-DICHLOROETHANE	<100		100
18	DI-ISOPPROPYL ETHER	<120		120
19	2,2-DICHLOROPROPANE	<160		160
20	CIS-1,2-DICHLOROETHENE	<150		150
21	2-BUTANONE	<240		240
22	CHLOROFORM	<130		130
23	BROMOCHLOROMETHANE	<110		110
24	1,1,1-TRICHLOROETHANE	<120		120
26	CARBON TETRACHLORIDE	<100		100
27	1,1-DICHLOROPROPENE	<120		120
29	BENZENE	<110		110
30	1,2-DICHLOROETHANE	<130		130
31	TRICHLOROETHENE	<140		140
32	1,2-DICHLOROPROPANE	<82		82
33	BROMODICHLOROMETHANE	<110		110
34	DIBROMOMETHANE	<95		95
36	4-METHYL-2-PENTANONE	<310		310
38	TOLUENE	470	J	100
39	1,1,2-TRICHLOROETHANE	<140		140
40	1,2,-DIBROMOETHANE	<120		120
41	CIS-1,3-DICHLOROPROPENE	<120		120

J: Estimated value, below method quantitation limit.

PSI-Lawrence

Data File:	A7003.D	**Lab Sample # :**	898533 25ul
Analyst:	Jim M.	**Client Name:**	B-3
Method:	8260 Volatiles	**Dilution:**	227.2
Date of Extraction:	08/15/97	**Units:**	ug/kg
Date of Analysis:	08/15/97	**Matrix:**	Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
42	TRANS-1,3-DICHLOROPROPENE	<120		120
44	1,3-DICHLOROPROPANE	<130		130
45	2-HEXANONE	<180		180
46	DIBROMOCHLOROMETHANE	<93		93
47	TETRACHLOROETHENE	27000		120
48	CHLOROBENZENE	<130		130
49	1,1,1,2-TETRACHLOROETHANE	<130		130
50	ETHYLBENZENE	<120		120
51	XYLENE (m-,p-)	<220		220
52	o-XYLENE	<100		100
53	STYRENE	<110		110
54	BROMOFORM	<130		130
57	ISOPROPYLBENZENE	<120		120
58	1,1,2,2-TETRACHLOROETHANE	<140		140
59	1,2,3-TRICHLOROPROPANE	<120		120
60	BROMOBENZENE	<130		130
61	n-PROPYLBENZENE	<100		100
62	2-CHLOROTOLUENE	<220		220
63	4-CHLOROTOLUENE	<170		170
64	1,3,5-TRIMETHYLBENZENE	<110		110
65	tert-BUTYLBENZENE	<150		150
66	1,2,4-TRIMETHYLBENZENE	<120		120
67	sec-BUTYLBENZENE	<120		120
68	p-ISOPROPYLTOLUENE	<100		100
69	1,3-DICHLOROBENZENE	<130		130
70	1,4-DICHLOROBENZENE	<130		130
71	n-BUTYLBENZENE	<150		150
72	1,2-DICHLOROBENZENE	<110		110
73	1,2DIBROMO3CHLOROPROPANE	<140		140
74	1,2,4-TRICHLOROBENZENE	<150		150
75	HEXACHLOROBUTADIENE	<210		210
76	NAPHTHALENE	<150		150
77	1,2,3-TRICHLOROBENZENE	<120		120

Surrogates	% Recovery
1,2-DICHLOROETHANE-d4	107%
BENZENE-d6	107%
TOLUENE-d8	95%
BROMOFLUOROBENZENE	111%

PSI-Lawrence

Data File: A6993.D
Analyst: Jim M.
Method: 8260 Volatiles
Date of Extraction: 08/14/97
Date of Analysis: 08/14/97

Lab Sample # : 898533 100ulMeoh-5
Client Name: B-3
Dilution: 56.8
Units: ug/kg
Matrix: Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
2	DICHLORODIFLUOROMETHANE	<32		32
3	CHLOROMETHANE	<46		46
4	VINYL CHLORIDE	<42		42
5	BROMOMETHANE	<30		30
6	CHLOROETHANE	<55		55
7	TRICHLOROFLUOROMETHANE	<23		23
8	TRICHLOROTRIFLUOROETHANE	<50		50
9	1,1-DICHLOROETHENE	<33		33
10	ACETONE	<110		110
11	CARBON DISULFIDE	<27		27
12	METHYLENE CHLORIDE	<32		32
13	TERT BUTYL METHYL ETHER	<40		40
14	TERT BUTYL ALCOHOL	<680		680
15	TRANS 1,2-DICHLOROETHENE	<36		36
17	1,1-DICHLOROETHANE	<26		26
18	DI-ISOPPROPYL ETHER	<30		30
19	2,2-DICHLOROPROPANE	<40		40
20	CIS-1,2-DICHLOROETHENE	<37		37
21	2-BUTANONE	<61		61
22	CHLOROFORM	<32		32
23	BROMOCHLOROMETHANE	<27		27
24	1,1,1-TRICHLOROETHANE	<31		31
26	CARBON TETRACHLORIDE	<25		25
27	1,1-DICHLOROPROPENE	<30		30
29	BENZENE	<28		28
30	1,2-DICHLOROETHANE	<33		33
31	TRICHLOROETHENE	50	J	36
32	1,2-DICHLOROPROPANE	<20		20
33	BROMODICHLOROMETHANE	<27		27
34	DIBROMOMETHANE	<24		24
36	4-METHYL-2-PENTANONE	<77		77
38	TOLUENE	130		25
39	1,1,2-TRICHLOROETHANE	<35		35
40	1,2,-DIBROMOETHANE	<30		30
41	CIS-1,3-DICHLOROPROPENE	<29		29

J: Estimated value, below method quantitation limit.

PSI-Lawrence

Data File:	A6993.D	**Lab Sample # :**	898533 100ulMeoh-5
Analyst:	Jim M.	**Client Name:**	B-3
Method:	8260 Volatiles	**Dilution:**	56.8
Date of Extraction:	08/14/97	**Units:**	ug/kg
Date of Analysis:	08/14/97	**Matrix:**	Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
42	TRANS-1,3-DICHLOROPROPENE	<30		30
44	1,3-DICHLOROPROPANE	<33		33
45	2-HEXANONE	<45		45
46	DIBROMOCHLOROMETHANE	<23		23
47	TETRACHLOROETHENE	28000	E	31
48	CHLOROBENZENE	<32		32
49	1,1,1,2-TETRACHLOROETHANE	<34		34
50	ETHYLBENZENE	<31		31
51	XYLENE (m-,p-)	<54		54
52	o-XYLENE	<26		26
53	STYRENE	<28		28
54	BROMOFORM	<34		34
57	ISOPROPYLBENZENE	<31		31
58	1,1,2,2-TETRACHLOROETHANE	<35		35
59	1,2,3-TRICHLOROPROPANE	<30		30
60	BROMOBENZENE	<32		32
61	n-PROPYLBENZENE	<26		26
62	2-CHLOROTOLUENE	<56		56
63	4-CHLOROTOLUENE	<43		43
64	1,3,5-TRIMETHYLBENZENE	<28		28
65	tert-BUTYLBENZENE	<36		36
66	1,2,4-TRIMETHYLBENZENE	<31		31
67	sec-BUTYLBENZENE	<31		31
68	p-ISOPROPYLTOLUENE	<26		26
69	1,3-DICHLOROBENZENE	<32		32
70	1,4-DICHLOROBENZENE	<32		32
71	n-BUTYLBENZENE	<37		37
72	1,2-DICHLOROBENZENE	<28		28
73	1,2DIBROMO3CHLOROPROPANE	<34		34
74	1,2,4-TRICHLOROBENZENE	<36		36
75	HEXACHLOROBUTADIENE	<52		52
76	NAPHTHALENE	<37		37
77	1,2,3-TRICHLOROBENZENE	<30		30

Surrogates	% Recovery
1,2-DICHLOROETHANE-d4	106%
BENZENE-d6	111%
TOLUENE-d8	106%
BROMOFLUOROBENZENE	111%

E: Exceeds calibration range.

PSI-Lawrence

Data File:	A6994.D	**Lab Sample # :**	898534 100ulMeoh-5
Analyst:	Jim M.	**Client Name:**	B-4
Method:	8260 Volatiles	**Dilution:**	59
Date of Extraction:	08/14/97	**Units:**	ug/kg
Date of Analysis:	08/14/97	**Matrix:**	Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
2	DICHLORODIFLUOROMETHANE	<34		34
3	CHLOROMETHANE	<48		48
4	VINYL CHLORIDE	<44		44
5	BROMOMETHANE	<31		31
6	CHLOROETHANE	<57		57
7	TRICHLOROFLUOROMETHANE	<24		24
8	TRICHLOROTRIFLUOROETHANE	<52		52
9	1,1-DICHLOROETHENE	<34		34
10	ACETONE	<110		110
11	CARBON DISULFIDE	<28		28
12	METHYLENE CHLORIDE	<34		34
13	TERT BUTYL METHYL ETHER	<42		42
14	TERT BUTYL ALCOHOL	<700		700
15	TRANS 1,2-DICHLOROETHENE	<37		37
17	1,1-DICHLOROETHANE	<27		27
18	DI-ISOPPROPYL ETHER	<31		31
19	2,2-DICHLOROPROPANE	<41		41
20	CIS-1,2-DICHLOROETHENE	<38		38
21	2-BUTANONE	<63		63
22	CHLOROFORM	<34		34
23	BROMOCHLOROMETHANE	<28		28
24	1,1,1-TRICHLOROETHANE	<32		32
26	CARBON TETRACHLORIDE	<26		26
27	1,1-DICHLOROPROPENE	<31		31
29	BENZENE	<30		30
30	1,2-DICHLOROETHANE	<34		34
31	TRICHLOROETHENE	<37		37
32	1,2-DICHLOROPROPANE	<21		21
33	BROMODICHLOROMETHANE	<28		28
34	DIBROMOMETHANE	<25		25
36	4-METHYL-2-PENTANONE	<80		80
38	TOLUENE	71	J	26
39	1,1,2-TRICHLOROETHANE	<36		36
40	1,2,-DIBROMOETHANE	<31		31
41	CIS-1,3-DICHLOROPROPENE	<30		30

J: Estimated value, below method quantitation limit.

PSI-Lawrence

Data File:	A6994.D	**Lab Sample # :**	898534 100ulMeoh-5
Analyst:	Jim M.	**Client Name:**	B-4
Method:	8260 Volatiles	**Dilution:**	59
Date of Extraction:	08/14/97	**Units:**	ug/kg
Date of Analysis:	08/14/97	**Matrix:**	Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
42	TRANS-1,3-DICHLOROPROPENE	<31		31
44	1,3-DICHLOROPROPANE	<34		34
45	2-HEXANONE	<47		47
46	DIBROMOCHLOROMETHANE	<24		24
47	TETRACHLOROETHENE	43	J	32
48	CHLOROBENZENE	<33		33
49	1,1,1,2-TETRACHLOROETHANE	<35		35
50	ETHYLBENZENE	<32		32
51	XYLENE (m-,p-)	<56		56
52	o-XYLENE	<27		27
53	STYRENE	<29		29
54	BROMOFORM	<35		35
57	ISOPROPYLBENZENE	<32		32
58	1,1,2,2-TETRACHLOROETHANE	<36		36
59	1,2,3-TRICHLOROPROPANE	<31		31
60	BROMOBENZENE	<34		34
61	n-PROPYLBENZENE	<27		27
62	2-CHLOROTOLUENE	<58		58
63	4-CHLOROTOLUENE	<45		45
64	1,3,5-TRIMETHYLBENZENE	<30		30
65	tert-BUTYLBENZENE	<38		38
66	1,2,4-TRIMETHYLBENZENE	<32		32
67	sec-BUTYLBENZENE	<32		32
68	p-ISOPROPYLTOLUENE	<27		27
69	1,3-DICHLOROBENZENE	<33		33
70	1,4-DICHLOROBENZENE	<33		33
71	n-BUTYLBENZENE	<39		39
72	1,2-DICHLOROBENZENE	<29		29
73	1,2DIBROMO3CHLOROPROPANE	<35		35
74	1,2,4-TRICHLOROBENZENE	<38		38
75	HEXACHLOROBUTADIENE	<54		54
76	NAPHTHALENE	<39		39
77	1,2,3-TRICHLOROBENZENE	<31		31

Surrogates	% Recovery
1,2-DICHLOROETHANE-d4	110%
BENZENE-d6	106%
TOLUENE-d8	110%
BROMOFLUOROBENZENE	112%

J: Estimated value, below method quantitation limit.

PSI-Lawrence

Data File:	A6995.D	**Lab Sample # :**	898535 100ulMeoh-5
Analyst:	Jim M.	**Client Name:**	**B-5**
Method:	8260 Volatiles	**Dilution:**	51.6
Date of Extraction:	08/14/97	**Units:**	ug/kg
Date of Analysis:	08/14/97	**Matrix:**	Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
2	DICHLORODIFLUOROMETHANE	<29		29
3	CHLOROMETHANE	<42		42
4	VINYL CHLORIDE	<38		38
5	BROMOMETHANE	<27		27
6	CHLOROETHANE	<50		50
7	TRICHLOROFLUOROMETHANE	<21		21
8	TRICHLOROTRIFLUOROETHANE	<45		45
9	1,1-DICHLOROETHENE	<30		30
10	ACETONE	<100		100
11	CARBON DISULFIDE	<24		24
12	METHYLENE CHLORIDE	<29		29
13	TERT BUTYL METHYL ETHER	<37		37
14	TERT BUTYL ALCOHOL	<610		610
15	TRANS 1,2-DICHLOROETHENE	<33		33
17	1,1-DICHLOROETHANE	<24		24
18	DI-ISOPPROPYL ETHER	<27		27
19	2,2-DICHLOROPROPANE	<36		36
20	CIS-1,2-DICHLOROETHENE	<34		34
21	2-BUTANONE	<55		55
22	CHLOROFORM	<29		29
23	BROMOCHLOROMETHANE	<25		25
24	1,1,1-TRICHLOROETHANE	<28		28
26	CARBON TETRACHLORIDE	<23		23
27	1,1-DICHLOROPROPENE	<27		27
29	BENZENE	<26		26
30	1,2-DICHLOROETHANE	<30		30
31	TRICHLOROETHENE	<33		33
32	1,2-DICHLOROPROPANE	<19		19
33	BROMODICHLOROMETHANE	<25		25
34	DIBROMOMETHANE	<22		22
36	4-METHYL-2-PENTANONE	<70		70
38	TOLUENE	73	J	23
39	1,1,2-TRICHLOROETHANE	<31		31
40	1,2,-DIBROMOETHANE	<27		27
41	CIS-1,3-DICHLOROPROPENE	<26		26

J: Estimated value, below method quantitation limit.

PSI-Lawrence

Data File:	A6995.D	**Lab Sample # :**	898535 100ulMeoh-5
Analyst:	Jim M.	**Client Name:**	B-5
Method:	8260 Volatiles	**Dilution:**	51.6
Date of Extraction:	08/14/97	**Units:**	ug/kg
Date of Analysis:	08/14/97	**Matrix:**	Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
42	TRANS-1,3-DICHLOROPROPENE	<27		27
44	1,3-DICHLOROPROPANE	<30		30
45	2-HEXANONE	<41		41
46	DIBROMOCHLOROMETHANE	<21		21
47	TETRACHLOROETHENE	810		28
48	CHLOROBENZENE	<29		29
49	1,1,1,2-TETRACHLOROETHANE	<30		30
50	ETHYLBENZENE	<28		28
51	XYLENE (m-,p-)	<49		49
52	o-XYLENE	<24		24
53	STYRENE	<25		25
54	BROMOFORM	<30		30
57	ISOPROPYLBENZENE	<28		28
58	1,1,2,2-TETRACHLOROETHANE	<31		31
59	1,2,3-TRICHLOROPROPANE	<27		27
60	BROMOBENZENE	<29		29
61	n-PROPYLBENZENE	<24		24
62	2-CHLOROTOLUENE	<51		51
63	4-CHLOROTOLUENE	<39		39
64	1,3,5-TRIMETHYLBENZENE	<26		26
65	tert-BUTYLBENZENE	<33		33
66	1,2,4-TRIMETHYLBENZENE	<28		28
67	sec-BUTYLBENZENE	<28		28
68	p-ISOPROPYLTOLUENE	<24		24
69	1,3-DICHLOROBENZENE	<29		29
70	1,4-DICHLOROBENZENE	<29		29
71	n-BUTYLBENZENE	<34		34
72	1,2-DICHLOROBENZENE	<25		25
73	1,2DIBROMO3CHLOROPROPANE	<31		31
74	1,2,4-TRICHLOROBENZENE	<33		33
75	HEXACHLOROBUTADIENE	<47		47
76	NAPHTHALENE	<34		34
77	1,2,3-TRICHLOROBENZENE	<27		27

Surrogates	% Recovery
1,2-DICHLOROETHANE-d4	106%
BENZENE-d6	106%
TOLUENE-d8	115%
BROMOFLUOROBENZENE	111%

Data File: A6991.D
Analyst: Jim M.
Method: 8260 Volatiles
Date of Extraction: 08/14/97
Date of Analysis: 08/14/97

Lab Sample # : 898536 100ulMeoh-5
Client Name: MeOH Blank
Dilution: 50
Units: ug/kg
Matrix: Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
2	DICHLORODIFLUOROMETHANE	<29		29
3	CHLOROMETHANE	<41		41
4	VINYL CHLORIDE	<37		37
5	BROMOMETHANE	<27		27
6	CHLOROETHANE	<49		49
7	TRICHLOROFLUOROMETHANE	<20		20
8	TRICHLOROTRIFLUOROETHANE	<44		44
9	1,1-DICHLOROETHENE	<29		29
10	ACETONE	<97		97
11	CARBON DISULFIDE	<24		24
12	METHYLENE CHLORIDE	<29		29
13	TERT BUTYL METHYL ETHER	<36		36
14	TERT BUTYL ALCOHOL	<590		590
15	TRANS 1,2-DICHLOROETHENE	<32		32
17	1,1-DICHLOROETHANE	<23		23
18	DI-ISOPPROPYL ETHER	<26		26
19	2,2-DICHLOROPROPANE	<35		35
20	CIS-1,2-DICHLOROETHENE	<33		33
21	2-BUTANONE	<54		54
22	CHLOROFORM	<29		29
23	BROMOCHLOROMETHANE	<24		24
24	1,1,1-TRICHLOROETHANE	<27		27
26	CARBON TETRACHLORIDE	<22		22
27	1,1-DICHLOROPROPENE	<26		26
29	BENZENE	<25		25
30	1,2-DICHLOROETHANE	<29		29
31	TRICHLOROETHENE	<32		32
32	1,2-DICHLOROPROPANE	<18		18
33	BROMODICHLOROMETHANE	<24		24
34	DIBROMOMETHANE	<21		21
36	4-METHYL-2-PENTANONE	<68		68
38	TOLUENE	<22		22
39	1,1,2-TRICHLOROETHANE	<31		31
40	1,2,-DIBROMOETHANE	<27		27
41	CIS-1,3-DICHLOROPROPENE	<26		26

PSI-Lawrence

Data File: A6991.D
Analyst: Jim M.
Method: 8260 Volatiles
Date of Extraction: 08/14/97
Date of Analysis: 08/14/97

Lab Sample # : 898536 100ulMeoh-5
Client Name: MeOH Blank
Dilution: 50
Units: ug/kg
Matrix: Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
42	TRANS-1,3-DICHLOROPROPENE	<26		26
44	1,3-DICHLOROPROPANE	<29		29
45	2-HEXANONE	<40		40
46	DIBROMOCHLOROMETHANE	<21		21
47	TETRACHLOROETHENE	<27		27
48	CHLOROBENZENE	<28		28
49	1,1,1,2-TETRACHLOROETHANE	<30		30
50	ETHYLBENZENE	<27		27
51	XYLENE (m-,p-)	<48		48
52	o-XYLENE	<23		23
53	STYRENE	<25		25
54	BROMOFORM	<30		30
57	ISOPROPYLBENZENE	<28		28
58	1,1,2,2-TETRACHLOROETHANE	<31		31
59	1,2,3-TRICHLOROPROPANE	<26		26
60	BROMOBENZENE	<29		29
61	n-PROPYLBENZENE	<23		23
62	2-CHLOROTOLUENE	<50		50
63	4-CHLOROTOLUENE	<38		38
64	1,3,5-TRIMETHYLBENZENE	<25		25
65	tert-BUTYLBENZENE	<32		32
66	1,2,4-TRIMETHYLBENZENE	<27		27
67	sec-BUTYLBENZENE	<28		28
68	p-ISOPROPYLTOLUENE	<23		23
69	1,3-DICHLOROBENZENE	<28		28
70	1,4-DICHLOROBENZENE	<28		28
71	n-BUTYLBENZENE	<33		33
72	1,2-DICHLOROBENZENE	<25		25
73	1,2DIBROMO3CHLOROPROPANE	<30		30
74	1,2,4-TRICHLOROBENZENE	<32		32
75	HEXACHLOROBUTADIENE	<46		46
76	NAPHTHALENE	<33		33
77	1,2,3-TRICHLOROBENZENE	<26		26

Surrogates	% Recovery
1,2-DICHLOROETHANE-d4	106%
BENZENE-d6	97%
TOLUENE-d8	106%
BROMOFLUOROBENZENE	109%

QUALITY CONTROL DATA

PSI-Lawrence

Data File:	A6982.D	**Lab Sample # :**	903769MB
Analyst:	Jim M.	**Client Name:**	Method Blank
Method:	8260 Volatiles	**Dilution:**	1
Date of Extraction:	08/14/97	**Units:**	ug/kg
Date of Analysis:	08/14/97	**Matrix:**	Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
2	DICHLORODIFLUOROMETHANE	<0.57		0.57
3	CHLOROMETHANE	<0.81		0.81
4	VINYL CHLORIDE	<0.74		0.74
5	BROMOMETHANE	<0.53		0.53
6	CHLOROETHANE	<0.97		0.97
7	TRICHLOROFLUOROMETHANE	<0.4		0.4
8	TRICHLOROTRIFLUOROETHANE	<0.88		0.88
9	1,1-DICHLOROETHENE	<0.58		0.58
10	ACETONE	<1.9		1.9
11	CARBON DISULFIDE	<0.47		0.47
12	METHYLENE CHLORIDE	<0.57		0.57
13	TERT BUTYL METHYL ETHER	<0.71		0.71
14	TERT BUTYL ALCOHOL	<12		12
15	TRANS 1,2-DICHLOROETHENE	<0.63		0.63
17	1,1-DICHLOROETHANE	<0.46		0.46
18	DI-ISOPPROPYL ETHER	<0.52		0.52
19	2,2-DICHLOROPROPANE	<0.7		0.7
20	CIS-1,2-DICHLOROETHENE	<0.65		0.65
21	2-BUTANONE	<1.1		1.1
22	CHLOROFORM	<0.57		0.57
23	BROMOCHLOROMETHANE	<0.48		0.48
24	1,1,1-TRICHLOROETHANE	<0.54		0.54
26	CARBON TETRACHLORIDE	<0.44		0.44
27	1,1-DICHLOROPROPENE	<0.52		0.52
29	BENZENE	<0.5		0.5
30	1,2-DICHLOROETHANE	<0.58		0.58
31	TRICHLOROETHENE	<0.63		0.63
32	1,2-DICHLOROPROPANE	<0.36		0.36
33	BROMODICHLOROMETHANE	<0.48		0.48
34	DIBROMOMETHANE	<0.42		0.42
36	4-METHYL-2-PENTANONE	<1.4		1.4
38	TOLUENE	<0.44		0.44
39	1,1,2-TRICHLOROETHANE	<0.61		0.61
40	1,2,-DIBROMOETHANE	<0.53		0.53
41	CIS-1,3-DICHLOROPROPENE	<0.51		0.51

PSI-Lawrence

Data File:	A6982.D	**Lab Sample # :**	903769MB
Analyst:	Jim M.	**Client Name:**	Method Blank
Method:	8260 Volatiles	**Dilution:**	1
Date of Extraction:	08/14/97	**Units:**	ug/kg
Date of Analysis:	08/14/97	**Matrix:**	Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
42	TRANS-1,3-DICHLOROPROPENE	<0.52		0.52
44	1,3-DICHLOROPROPANE	<0.58		0.58
45	2-HEXANONE	<0.8		0.8
46	DIBROMOCHLOROMETHANE	<0.41		0.41
47	TETRACHLOROETHENE	<0.54		0.54
48	CHLOROBENZENE	<0.56		0.56
49	1,1,1,2-TETRACHLOROETHANE	<0.59		0.59
50	ETHYLBENZENE	<0.54		0.54
51	XYLENE (m-,p-)	<0.95		0.95
52	o-XYLENE	<0.46		0.46
53	STYRENE	<0.49		0.49
54	BROMOFORM	<0.59		0.59
57	ISOPROPYLBENZENE	<0.55		0.55
58	1,1,2,2-TETRACHLOROETHANE	<0.61		0.61
59	1,2,3-TRICHLOROPROPANE	<0.52		0.52
60	BROMOBENZENE	<0.57		0.57
61	n-PROPYLBENZENE	<0.46		0.46
62	2-CHLOROTOLUENE	<0.99		0.99
63	4-CHLOROTOLUENE	<0.76		0.76
64	1,3,5-TRIMETHYLBENZENE	<0.5		0.5
65	tert-BUTYLBENZENE	<0.64		0.64
66	1,2,4-TRIMETHYLBENZENE	<0.54		0.54
67	sec-BUTYLBENZENE	<0.55		0.55
68	p-ISOPROPYLTOLUENE	<0.46		0.46
69	1,3-DICHLOROBENZENE	<0.56		0.56
70	1,4-DICHLOROBENZENE	<0.56		0.56
71	n-BUTYLBENZENE	<0.66		0.66
72	1,2-DICHLOROBENZENE	<0.49		0.49
73	1,2DIBROMO3CHLOROPROPANE	<0.6		0.6
74	1,2,4-TRICHLOROBENZENE	<0.64		0.64
75	HEXACHLOROBUTADIENE	<0.91		0.91
76	NAPHTHALENE	<0.66		0.66
77	1,2,3-TRICHLOROBENZENE	<0.52		0.52

Surrogates	% Recovery
1,2-DICHLOROETHANE-d4	104%
BENZENE-d6	104%
TOLUENE-d8	112%
BROMOFLUOROBENZENE	111%

LCS Recovery Form

Data File: A6981.D
Analyst: Jim M.
Method: 8260 Volatiles

Lab Sample # : 903768LCS
Client ID: Laboratory Control Sample
Date of Extraction: 08/14/97
Date of Analysis: 08/14/97

Cmpd #	Analyte	Conc	Spike Conc.	%Rec.	Avg -3SD	Avg +3SD
2	DICHLORODIFLUOROMETHANE	6.90	20	34.48%	32	150
3	CHLOROMETHANE	13.24	20	66.18%	57	135
4	VINYL CHLORIDE	14.09	20	70.46%	66	133
5	BROMOMETHANE	19.00	20	94.99%	69	141
6	CHLOROETHANE	15.27	20	76.36%	70	126
7	TRICHLOROFLUOROMETHANE	16.68	20	83.42%	69	133
8	TRICHLOROTRIFLUOROETHANE	14.95	20	74.73%	69	149
9	1,1-DICHLOROETHENE	17.93	20	89.64%	77	120
10	ACETONE	11.04	20	55.18%	49	144
11	CARBON DISULFIDE	13.84	20	69.20%	49	121
12	METHYLENE CHLORIDE	19.04	20	95.22%	71	132
13	TERT BUTYL METHYL ETHER	16.75	20	83.74%	72	120
14	TERT BUTYL ALCOHOL	123.01	200	61.50%	38	138
15	TRANS 1,2-DICHLOROETHENE	17.46	20	87.31%	78	118
17	1,1-DICHLOROETHANE	18.89	20	94.45%	82	119
18	DI-ISOPPROPYL ETHER	16.27	20	81.36%	68	117
19	2,2-DICHLOROPROPANE	21.29	20	106.46%	79	120
20	CIS-1,2-DICHLOROETHENE	19.87	20	99.35%	82	124
21	2-BUTANONE	13.89	20	69.45%	55	143
22	CHLOROFORM	19.91	20	99.53%	77	121
23	BROMOCHLOROMETHANE	18.79	20	93.97%	80	120
24	1,1,1-TRICHLOROETHANE	20.28	20	101.39%	77	117
26	CARBON TETRACHLORIDE	22.57	20	112.84%	76	118
27	1,1-DICHLOROPROPENE	24.34	20	121.69%	84	128
29	BENZENE	22.20	20	110.98%	82	119
30	1,2-DICHLOROETHANE	23.89	20	119.47%	84	122
31	TRICHLOROETHENE	22.92	20	114.60%	81	118
32	1,2-DICHLOROPROPANE	22.45	20	112.23%	82	117
33	BROMODICHLOROMETHANE	21.82	20	109.11%	78	113
34	DIBROMOMETHANE	20.84	20	104.18%	79	117
36	4-METHYL-2-PENTANONE	12.59	20	62.95%	58	132
38	TOLUENE	21.83	20	109.17%	79	118
39	1,1,2-TRICHLOROETHANE	20.18	20	100.92%	79	118
40	1,2,-DIBROMOETHANE	18.99	20	94.95%	75	118
41	CIS-1,3-DICHLOROPROPENE	22.37	20	111.83%	81	134
42	TRANS-1,3-DICHLOROPROPENE	20.59	20	102.96%	75	110
44	1,3-DICHLOROPROPANE	20.74	20	103.72%	79	121
45	2-HEXANONE	14.61	20	73.05%	62	134
46	DIBROMOCHLOROMETHANE	19.86	20	99.29%	74	115
47	TETRACHLOROETHENE	23.51	20	117.56%	81	118
48	CHLOROBENZENE	21.81	20	109.04%	82	113
49	1,1,1,2-TETRACHLOROETHANE	21.94	20	109.72%	76	112
50	ETHYLBENZENE	21.44	20	107.18%	77	117
51	XYLENE (m-,p-)	43.16	40	107.89%	80	115
52	o-XYLENE	22.94	20	114.72%	79	118
53	STYRENE	21.73	20	108.64%	78	111
54	BROMOFORM	18.09	20	90.45%	74	112
57	ISOPROPYLBENZENE	21.32	20	106.58%	78	123
58	1,1,2,2-TETRACHLOROETHANE	15.08	20	75.40%	75	123
59	1,2,3-TRICHLOROPROPANE	15.68	20	78.40%	76	121
60	BROMOBENZENE	20.85	20	104.24%	80	118

LCS Recovery Form

Data File: A6981.D
Analyst: Jim M.
Method: 8260 Volatiles

Lab Sample # : 903768LCS
Client ID: Laboratory Control Sample
Date of Extraction: 08/14/97
Date of Analysis: 08/14/97

Cmpd #	Analyte	Conc	Spike Conc.	%Rec.	Avg -3SD	Avg +3SD
61	n-PROPYLBENZENE	20.48	20	102.39%	79	122
62	2-CHLOROTOLUENE	21.26	20	106.31%	74	120
63	4-CHLOROTOLUENE	20.04	20	100.22%	74	121
64	1,3,5-TRIMETHYLBENZENE	21.09	20	105.44%	75	125
65	tert-BUTYLBENZENE	21.95	20	109.76%	79	125
66	1,2,4-TRIMETHYLBENZENE	21.52	20	107.60%	75	125
67	sec-BUTYLBENZENE	21.27	20	106.37%	75	127
68	p-ISOPROPYLTOLUENE	21.50	20	107.52%	77	127
69	1,3-DICHLOROBENZENE	22.75	20	113.73%	80	124
70	1,4-DICHLOROBENZENE	22.27	20	111.35%	82	120
71	n-BUTYLBENZENE	21.21	20	106.06%	71	134
72	1,2-DICHLOROBENZENE	20.86	20	104.32%	85	122
73	1,2DIBROMO3CHLOROPROPANE	16.60	20	83.02%	64	123
74	1,2,4-TRICHLOROBENZENE	21.41	20	107.07%	71	131
75	HEXACHLOROBUTADIENE	24.83	20	124.17%	68	147
76	NAPHTHALENE	13.84	20	69.22%	67	130
77	1,2,3-TRICHLOROBENZENE	20.39	20	101.94%	73	131

PSI-Lawrence

Data File: A7001.D
Analyst: Jim M.
Method: 8260 Volatiles
Date of Extraction: 08/15/97
Date of Analysis: 08/15/97

Lab Sample # : 903771MB
Client Name: Method Blank
Dilution: 1
Units: ug/kg
Matrix: Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
2	DICHLORODIFLUOROMETHANE	<0.57		0.57
3	CHLOROMETHANE	<0.81		0.81
4	VINYL CHLORIDE	<0.74		0.74
5	BROMOMETHANE	<0.53		0.53
6	CHLOROETHANE	<0.97		0.97
7	TRICHLOROFLUOROMETHANE	<0.4		0.4
8	TRICHLOROTRIFLUOROETHANE	<0.88		0.88
9	1,1-DICHLOROETHENE	<0.58		0.58
10	ACETONE	<1.9		1.9
11	CARBON DISULFIDE	<0.47		0.47
12	METHYLENE CHLORIDE	<0.57		0.57
13	TERT BUTYL METHYL ETHER	<0.71		0.71
14	TERT BUTYL ALCOHOL	<12		12
15	TRANS 1,2-DICHLOROETHENE	<0.63		0.63
17	1,1-DICHLOROETHANE	<0.46		0.46
18	DI-ISOPPROPYL ETHER	<0.52		0.52
19	2,2-DICHLOROPROPANE	<0.7		0.7
20	CIS-1,2-DICHLOROETHENE	<0.65		0.65
21	2-BUTANONE	<1.1		1.1
22	CHLOROFORM	<0.57		0.57
23	BROMOCHLOROMETHANE	<0.48		0.48
24	1,1,1-TRICHLOROETHANE	<0.54		0.54
26	CARBON TETRACHLORIDE	<0.44		0.44
27	1,1-DICHLOROPROPENE	<0.52		0.52
29	BENZENE	<0.5		0.5
30	1,2-DICHLOROETHANE	<0.58		0.58
31	TRICHLOROETHENE	<0.63		0.63
32	1,2-DICHLOROPROPANE	<0.36		0.36
33	BROMODICHLOROMETHANE	<0.48		0.48
34	DIBROMOMETHANE	<0.42		0.42
36	4-METHYL-2-PENTANONE	<1.4		1.4
38	TOLUENE	<0.44		0.44
39	1,1,2-TRICHLOROETHANE	<0.61		0.61
40	1,2,-DIBROMOETHANE	<0.53		0.53
41	CIS-1,3-DICHLOROPROPENE	<0.51		0.51

PSI-Lawrence

Data File: A7001.D
Analyst: Jim M.
Method: 8260 Volatiles
Date of Extraction: 08/15/97
Date of Analysis: 08/15/97

Lab Sample # : 903771MB
Client Name: Method Blank
Dilution: 1
Units: ug/kg
Matrix: Soil

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
42	TRANS-1,3-DICHLOROPROPENE	<0.52		0.52
44	1,3-DICHLOROPROPANE	<0.58		0.58
45	2-HEXANONE	<0.8		0.8
46	DIBROMOCHLOROMETHANE	<0.41		0.41
47	TETRACHLOROETHENE	<0.54		0.54
48	CHLOROBENZENE	<0.56		0.56
49	1,1,1,2-TETRACHLOROETHANE	<0.59		0.59
50	ETHYLBENZENE	<0.54		0.54
51	XYLENE (m-,p-)	<0.95		0.95
52	o-XYLENE	<0.46		0.46
53	STYRENE	<0.49		0.49
54	BROMOFORM	<0.59		0.59
57	ISOPROPYLBENZENE	<0.55		0.55
58	1,1,2,2-TETRACHLOROETHANE	<0.61		0.61
59	1,2,3-TRICHLOROPROPANE	<0.52		0.52
60	BROMOBENZENE	<0.57		0.57
61	n-PROPYLBENZENE	<0.46		0.46
62	2-CHLOROTOLUENE	<0.99		0.99
63	4-CHLOROTOLUENE	<0.76		0.76
64	1,3,5-TRIMETHYLBENZENE	<0.5		0.5
65	tert-BUTYLBENZENE	<0.64		0.64
66	1,2,4-TRIMETHYLBENZENE	<0.54		0.54
67	sec-BUTYLBENZENE	<0.55		0.55
68	p-ISOPROPYLTOLUENE	<0.46		0.46
69	1,3-DICHLOROBENZENE	<0.56		0.56
70	1,4-DICHLOROBENZENE	<0.56		0.56
71	n-BUTYLBENZENE	<0.66		0.66
72	1,2-DICHLOROBENZENE	<0.49		0.49
73	1,2DIBROMO3CHLOROPROPANE	<0.6		0.6
74	1,2,4-TRICHLOROBENZENE	<0.64		0.64
75	HEXACHLOROBUTADIENE	<0.91		0.91
76	NAPHTHALENE	<0.66		0.66
77	1,2,3-TRICHLOROBENZENE	<0.52		0.52

Surrogates	% Recovery
1,2-DICHLOROETHANE-d4	116%
BENZENE-d6	101%
TOLUENE-d8	112%
BROMOFLUOROBENZENE	110%

LCS Recovery Form

Data File: A6999.D
Analyst: Jim M.
Method: 8260 Volatiles

Lab Sample # : 903770LCS
Client ID: Laboratory Control Sample
Date of Extraction: 08/15/97
Date of Analysis: 08/15/97

Cmpd #	Analyte	Conc	Spike Conc.	%Rec.	Avg -3SD	Avg +3SD
2	DICHLORODIFLUOROMETHANE	15.95	20	79.77%	32	150
3	CHLOROMETHANE	16.63	20	83.13%	57	135
4	VINYL CHLORIDE	20.44	20	102.18%	66	133
5	BROMOMETHANE	24.08	20	120.39%	69	141
6	CHLOROETHANE	21.77	20	108.83%	70	126
7	TRICHLOROFLUOROMETHANE	23.00	20	114.98%	69	133
8	TRICHLOROTRIFLUOROETHANE	18.28	20	91.39%	69	149
9	1,1-DICHLOROETHENE	21.09	20	105.47%	77	120
10	ACETONE	21.20	20	106.02%	49	144
11	CARBON DISULFIDE	19.42	20	97.11%	49	121
12	METHYLENE CHLORIDE	18.65	20	93.23%	71	132
13	TERT BUTYL METHYL ETHER	23.23	20	116.15%	72	120
14	TERT BUTYL ALCOHOL	164.67	200	82.33%	38	138
15	TRANS 1,2-DICHLOROETHENE	19.48	20	97.42%	78	118
17	1,1-DICHLOROETHANE	21.64	20	108.20%	82	119
18	DI-ISOPPROPYL ETHER	19.36	20	96.80%	68	117
19	2,2-DICHLOROPROPANE	22.51	20	112.53%	79	120
20	CIS-1,2-DICHLOROETHENE	22.02	20	110.12%	82	124
21	2-BUTANONE	22.08	20	110.41%	55	143
22	CHLOROFORM	22.87	20	114.37%	77	121
23	BROMOCHLOROMETHANE	21.61	20	108.05%	80	120
24	1,1,1-TRICHLOROETHANE	21.92	20	109.62%	77	117
26	CARBON TETRACHLORIDE	23.78	20	118.91%	76	119
27	1,1-DICHLOROPROPENE	24.05	20	120.27%	84	128
29	BENZENE	21.95	20	109.73%	82	119
30	1,2-DICHLOROETHANE	23.65	20	118.26%	84	122
31	TRICHLOROETHENE	21.99	20	109.97%	81	118
32	1,2-DICHLOROPROPANE	23.07	20	115.37%	82	117
33	BROMODICHLOROMETHANE	22.03	20	110.15%	78	113
34	DIBROMOMETHANE	22.79	20	113.93%	79	117
36	4-METHYL-2-PENTANONE	12.59	20	62.95%	58	132
38	TOLUENE	22.79	20	113.93%	79	118
39	1,1,2-TRICHLOROETHANE	21.65	20	108.26%	79	118
40	1,2,-DIBROMOETHANE	21.63	20	108.16%	75	118
41	CIS-1,3-DICHLOROPROPENE	23.84	20	119.19%	81	134
42	TRANS-1,3-DICHLOROPROPENE	21.68	20	108.39%	75	110
44	1,3-DICHLOROPROPANE	23.13	20	115.66%	79	121
45	2-HEXANONE	19.99	20	99.96%	62	134
46	DIBROMOCHLOROMETHANE	22.23	20	111.13%	74	115
47	TETRACHLOROETHENE	22.27	20	111.36%	81	118
48	CHLOROBENZENE	19.80	20	98.99%	82	113
49	1,1,1,2-TETRACHLOROETHANE	21.71	20	108.55%	76	112
50	ETHYLBENZENE	22.88	20	114.42%	77	117
51	XYLENE (m-,p-)	45.46	40	113.66%	80	115
52	o-XYLENE	22.45	20	112.23%	79	118
53	STYRENE	20.64	20	103.20%	78	111
54	BROMOFORM	21.62	20	108.11%	74	112
57	ISOPROPYLBENZENE	23.86	20	119.30%	78	123
58	1,1,2,2-TETRACHLOROETHANE	20.26	20	101.32%	75	123
59	1,2,3-TRICHLOROPROPANE	23.43	20	117.16%	76	121
60	BROMOBENZENE	22.72	20	113.59%	80	118

LCS Recovery Form

Data File: A6999.D
Analyst: Jim M.
Method: 8260 Volatiles

Lab Sample # : 903770LCS
Client ID: Laboratory Control Sample
Date of Extraction: 08/15/97
Date of Analysis: 08/15/97

Cmpd #	Analyte	Conc	Spike Conc.	%Rec.	Avg -3SD	Avg +3SD
61	n-PROPYLBENZENE	22.19	20	110.97%	79	122
62	2-CHLOROTOLUENE	23.03	20	115.17%	74	120
63	4-CHLOROTOLUENE	22.38	20	111.88%	74	121
64	1,3,5-TRIMETHYLBENZENE	23.49	20	117.47%	75	125
65	tert-BUTYLBENZENE	23.66	20	118.29%	79	125
66	1,2,4-TRIMETHYLBENZENE	23.53	20	117.63%	75	125
67	sec-BUTYLBENZENE	23.07	20	115.33%	75	127
68	p-ISOPROPYLTOLUENE	22.81	20	114.04%	77	127
69	1,3-DICHLOROBENZENE	24.69	20	123.45%	80	124
70	1,4-DICHLOROBENZENE	19.98	20	99.88%	82	120
71	n-BUTYLBENZENE	23.98	20	119.90%	71	134
72	1,2-DICHLOROBENZENE	22.28	20	111.41%	85	122
73	1,2DIBROMO3CHLOROPROPANE	23.29	20	116.44%	64	123
74	1,2,4-TRICHLOROBENZENE	23.42	20	117.10%	71	131
75	HEXACHLOROBUTADIENE	22.78	20	113.88%	68	147
76	NAPHTHALENE	22.17	20	110.87%	67	130
77	1,2,3-TRICHLOROBENZENE	24.01	20	120.07%	73	131

PSI-Lawrence

Laboratory: PSI-Lawrence
Instrument: HP 5970, MSA
Method: 8260 Volatiles

Batch # :907324
Sample Name: 898535 100ul
Matrix: Soil

Analyte	A6995.D	A6996.D	A6997.D	Spike Conc.	MS %Rec.	MSD %Rec.	Avg.% Rec.	%RPD		Avg-3SD	Avg+3SD	RPD
DICHLORODIFLUOROMETHANE	0.00	15.44	14.62	20	77%	73%	75%	5%		42	140	15
CHLOROMETHANE	0.00	18.53	20.51	20	93%	103%	98%	10%		53	149	18
VINYL CHLORIDE	0.00	20.61	18.99	20	103%	95%	99%	8%		70	140	15
BROMOMETHANE	0.00	17.12	16.59	20	86%	83%	84%	3%		59	169	15
CHLOROETHANE	0.00	10.11	9.79	20	51%	49%	50%	3%	*	64	136	17
TRICHLOROFLUOROMETHANE	0.00	17.33	16.40	20	87%	82%	84%	5%	*	85	139	27
TRICHLOROTRIFLUOROETHANE	0.00	22.18	16.00	20	111%	80%	95%	32%		73	139	34
1,1-DICHLOROETHENE	0.00	20.81	20.74	20	104%	104%	104%	0%		58	140	15
ACETONE	0.00	20.47	22.53	20	102%	113%	107%	10%		19	175	48
CARBON DISULFIDE	0.00	20.40	20.71	20	102%	104%	103%	1%		28	120	22
METHYLENE CHLORIDE	0.00	21.84	22.00	20	109%	110%	110%	1%		42	146	34
TERT BUTYL METHYL ETHER	0.00	23.86	25.90	20	119%	130%	124%	8%		60	140	18
TERT BUTYL ALCOHOL	0.00	8.07	7.03	200	4%	4%	4%	14%	*	27	150	34
TRANS 1,2-DICHLOROETHENE	0.00	22.01	24.47	20	110%	122%	116%	11%		64	130	23
1,1-DICHLOROETHANE	0.00	24.19	21.26	20	121%	106%	114%	13%		71	137	16
DI-ISOPPROPYL ETHER	0.00	21.73	21.98	20	109%	110%	109%	1%		63	126	15
2,2-DICHLOROPROPANE	0.00	21.75	20.85	20	109%	104%	107%	4%		60	139	25
CIS-1,2-DICHLOROETHENE	0.00	23.31	22.67	20	117%	113%	115%	3%		70	137	30
2-BUTANONE	0.00	23.15	24.09	20	116%	120%	118%	4%		35	160	32
CHLOROFORM	0.00	22.47	22.02	20	112%	110%	111%	2%		72	133	16
BROMOCHLOROMETHANE	0.00	22.86	23.87	20	114%	119%	117%	4%		80	129	16
1,1,1-TRICHLOROETHANE	0.00	23.53	22.77	20	118%	114%	116%	3%		73	126	19
CARBON TETRACHLORIDE	0.00	21.95	21.33	20	110%	107%	108%	3%		71	121	17
1,1-DICHLOROPROPENE	0.00	23.53	20.15	20	118%	101%	109%	15%		75	132	17
BENZENE	0.00	21.56	21.87	20	108%	109%	109%	1%		63	135	18
1,2-DICHLOROETHANE	0.00	24.44	21.73	20	122%	109%	115%	12%		81	129	17
TRICHLOROETHENE	0.00	20.72	22.26	20	104%	111%	107%	7%		65	124	28
1,2-DICHLOROPROPANE	0.00	22.86	20.73	20	114%	104%	109%	10%		85	118	18
BROMODICHLOROMETHANE	0.00	19.29	22.05	20	96%	110%	103%	13%		76	112	20
DIBROMOMETHANE	0.00	22.40	23.18	20	112%	116%	114%	3%	*	82	111	18
4-METHYL-2-PENTANONE	0.00	16.31	19.44	20	82%	97%	89%	18%		29	161	27
TOLUENE	1.42	21.95	20.32	20	103%	95%	99%	8%		69	118	37
1,1,2-TRICHLOROETHANE	0.00	23.83	22.71	20	119%	114%	116%	5%		73	117	20
1,2-DIBROMOETHANE	0.00	23.65	19.75	20	118%	99%	108%	18%		53	127	22
CIS-1,3-DICHLOROPROPENE	0.00	20.08	23.00	20	100%	115%	108%	14%		83	123	19
TRANS-1,3-DICHLOROPROPENE	0.00	18.55	22.82	20	93%	114%	103%	21%		54	117	25
1,3-DICHLOROPROPANE	0.00	22.26	19.66	20	111%	98%	105%	12%		79	126	16
2-HEXANONE	0.00	20.37	20.33	20	102%	102%	102%	0%		44	141	34
DIBROMOCHLOROMETHANE	0.00	18.49	16.11	20	92%	81%	86%	14%		74	111	16
TETRACHLOROETHENE	15.64	34.52	31.40	20	94%	79%	87%	18%		79	119	20
CHLOROBENZENE	0.00	21.63	20.28	20	108%	101%	105%	6%		82	113	12
1,1,1,2-TETRACHLOROETHANE	0.00	21.46	18.65	20	107%	93%	100%	14%		66	129	17
ETHYLBENZENE	0.00	21.08	18.02	20	105%	90%	98%	16%		78	117	18
XYLENE (m-,p-)	0.00	42.50	36.67	40	106%	92%	99%	15%		70	120	24
o-XYLENE	0.00	22.30	19.20	20	111%	96%	104%	15%		72	129	17
STYRENE	0.00	21.44	18.58	20	107%	93%	100%	14%		65	116	15
BROMOFORM	0.00	18.87	17.08	20	94%	85%	90%	10%		56	111	22
ISOPROPYLBENZENE	0.00	20.03	22.35	20	100%	112%	106%	11%		70	130	26
1,1,2,2-TETRACHLOROETHANE	0.00	20.28	18.66	20	101%	93%	97%	8%		54	157	23
1,2,3-TRICHLOROPROPANE	0.00	17.70	18.53	20	89%	93%	91%	5%		60	145	16
BROMOBENZENE	0.00	21.02	18.97	20	105%	95%	100%	10%		62	141	17
n-PROPYLBENZENE	0.00	21.70	23.02	20	109%	115%	112%	6%		60	150	16
2-CHLOROTOLUENE	0.00	21.33	22.46	20	107%	112%	109%	5%		80	123	26
4-CHLOROTOLUENE	0.00	23.21	22.80	20	116%	114%	115%	2%		75	130	20
1,3,5-TRIMETHYLBENZENE	0.00	22.79	22.10	20	114%	111%	112%	3%		66	136	27
tert-BUTYLBENZENE	0.00	20.98	22.54	20	105%	113%	109%	7%		65	136	25
1,2,4-TRIMETHYLBENZENE	0.00	24.52	22.85	20	123%	114%	118%	7%		56	143	30
sec-BUTYLBENZENE	0.00	24.49	22.30	20	122%	111%	117%	9%		55	146	25
p-ISOPROPYLTOLUENE	0.00	21.25	21.87	20	106%	109%	108%	3%		66	139	22
1,3-DICHLOROBENZENE	0.00	23.88	23.98	20	119%	120%	120%	0%		79	119	16
1,4-DICHLOROBENZENE	0.00	20.06	21.48	20	100%	107%	104%	7%		79	116	15
n-BUTYLBENZENE	0.00	20.28	23.86	20	101%	119%	110%	16%		53	142	19
1,2-DICHLOROBENZENE	0.00	19.03	21.18	20	95%	106%	101%	11%		79	124	15
1,2DIBROMO3CHLOROPROPANE	0.00	22.24	23.17	20	111%	116%	114%	4%		44	125	28
1,2,4-TRICHLOROBENZENE	0.00	17.75	21.62	20	89%	108%	98%	20%		33	142	21
HEXACHLOROBUTADIENE	0.00	22.55	23.13	20	113%	116%	114%	3%		55	150	31
NAPHTHALENE	0.00	21.97	20.25	20	109%	101%	105%	8%		37	136	30
1,2,3-TRICHLOROBENZENE	0.00	19.66	19.99	20	98%	100%	99%	1%		33	145	25

PSI Sample Receiving Checklist

46742

Batch #

	Y/N	COMMENTS:
		Box is marked with an "X" if yes; blank with comment, if no; unmarked, no comment if not applicable.
Custody seals, if present, intact?	☐	
Temperature of samples < 4C at receipt?	☒	
Chain of Custody present?	☒	
Chain of Custody signed by sender?	☒	
Sample containers provided by this lab?	☐	
Are VOA samples free of headspace?	☐	
Are Due Dates and special requirements, if any, specified?	☒	
Are preservatives indicated on the label or COC?	☒	MeOH
Is pH of acid preserved samples < 2?	☐	
Is pH of base preserved samples > 12?	☐	

CHAIN OF CUSTODY RECORD

Professional Service Industries, Inc.

PROJECT NAME	REPORT TO	INVOICE TO
TURNPIKE PLAZA	Jeff Graeca	Same
PROJECT NUMBER	PROJECT MANAGER	ADDRESS
61-7EC41	Same	
P.O. NUMBER	ADDRESS	CITY / STATE / ZIP
	16601 West Potter	
REQUIRED DUE DATE	CITY / STATE / ZIP	ATTENTION
8-18-97 @200 ea.	New Berlin WI	
SAMPLES TO LAB VIA	TELEPHONE 542-0711	TELEPHONE
	FAX 641-0915	
NUMBER OF COOLERS	REPORT VIA VERBAL FAX	
	U.S. MAIL OVERNIGHT	

LABORATORY SUBMITTED TO:

- ☐ 6913 Hwy. 225, Deer Park, TX 77536, (713) 479-8307
- ☐ 6056 Ulmerton Road, Clearwater, FL 34620, (813) 531-1446
- ☒ 4820 W. 15th Street, Lawrence, KS 66049, (800) 548-7901
- ☐ 850 Poplar Street, Pittsburgh, PA 15220, (412) 922-4000

TRANSFER NUMBER	RELINQUISHED BY DATE / TIME	ACCEPTED BY DATE / TIME	SEAL NUMBER
1	[illegible] 8/13/97 5pm	Jan See 8/12/97 11:30AM	

LABORATORY USE ONLY

FIELD SERVICES Y/N $

SHIPPING Y/N $

LABORATORY USE ONLY

ANALYTICAL DUE DATE

REPORT DUE DATE

INORGANIC Sect ____ Row ____ ORGANIC Sect ____ Row 14 + V

PSI PROJECT NAME PSI - New Berlin

PSI PROJECT # 054

PSI BATCH # 46742

LABORATORY USE ONLY

SAMPLE CUSTODIAN Jan See DATE / TIME 8/13/97

PARAMETER LIST

SAMPLE IDENTIFICATION	DATE / TIME	COMP-C GRAB-B	SOIL-S WATER-W WASTE-X	LAB USE ONLY LAB NUMBER	NUMBER OF CONTAINERS	VOC	BTEX	GRO 8/13/97
G1-EA-3	8-11 9:40	C	S	898532	2	X	X	
B3-4A4	" 10:30	C	S	533	2	X	X	
D-4-4A4	" 11:00	C	S	534	2	X	X	
B-5-4A3	" 12:30	C	S	535	2	X	X	
Trip Blank	8-1			898536	1	X		

ADDITIONAL REMARKS Suspect on ICE

SAMPLER'S SIGNATURE [signature]

ATTACHMENT B

Phase II Limited Environmental Site Assessment for the Property Located at Timmerman Plaza 10442 West Silver Spring Drive, Milwaukee, Wisconsin 53225, dated September 16, 1997

LIMITED PHASE II
ENVIRONMENTAL SITE ASSESSMENT

for the

PROPERTY LOCATED AT
TIMMERMAN PLAZA
10442 WEST SILVER SPRING DRIVE
MILWAUKEE, WISCONSIN 53225

Prepared for

AMRESCO CAPITAL, L.P.
Plaza of the Americas
700 North Pearl Street
Suite 2400
Dallas, Texas 7501-7424
75201 -

Prepared by

PSI
16601 WEST DAKOTA STREET
NEW BERLIN, WISCONSIN 53151
PSI PROJECT NO.: 861-7I002

SEPTEMBER 16, 1997

PSI Environmental Geotechnical Construction
Consulting • Engineering • Testing

Moe I. Alrawi
Senior Project Engineer

Andy Clayton, P.G.
Senior Technical Professional

Information To Build On

TABLE OF CONTENTS

LIST OF FIGURES

APPENDIX

1.0 EXECUTIVE SUMMARY

PSI has conducted a Limited Phase II Environmental Site Assessment (ESA) at 10442 West Silver Spring Milwaukee, Wisconsin. The subject site is approximately 2,000 square feet in size within one structure, which contains several retail stores. The subject site was a former dry-cleaner facility within a mall building but is currently vacant. Adjacent to the southwest of the former dry-cleaner facility is Big Wheel Rossi, a retail auto parts store. Adjacent to the northeast of the subject site is Queens-Way Laundry, a laundry mat facility.

A Phase I ESA was prepared on June 27, 1997 by PSI, PSI Project No. 890-7E073. The Phase I assessment identified a recognized environmental condition (REC) in connection with the site which included the storage and use of dry-cleaning solvent, tetrachloroethylene, associated with the former dry-cleaning facility.

The scope of the Limited Phase II Environmental Site Assessment was intended to address the identified recognized environmental condition. The assessment included the installation of three (3) monitoring wells. Three (3) groundwater samples were collected and analyzed for volatile organic compounds (VOCs) using method 8260.

Analytical results from the groundwater sample locations installed to investigate potential impact to the subject site did not identify the presence of the dry-cleaning solvent tetrachloroethylene. This information is considered sufficient to conclude that there is no reasonable basis to suspect groundwater impact to the subject site. Based on this, no further testing of the recognized environmental conditions is recommended at this time.

The summary is not be used alone, this report is to be read in its entirety.

2.0 INTRODUCTION

PSI conducted a Limited Phase II Environmental Site Assessment at 10442 West Silver Spring. This report documents the field investigation activities, laboratory analyses and evaluation of data relative to the recognized environmental conditions investigated.

2.1 AUTHORIZATION

Authorization to perform the assessment was given by a signed copy of PSI revised proposal No. 054-7063, between AMRESCO Capital, L.P. and PSI, dated August 22, 1997 and returned signed on August 28, 1997. Access to the site was provided by Ms. Emily Burns of AMRESCO Capital, L.P..

2.2 SITE DESCRIPTION

The subject site is located at 10442 West Silver Spring in Milwaukee, Milwaukee County, Wisconsin. This site is approximately 2000 feet west of the intersection of West Silver Spring and Appleton Avenue. The major streets and features which bound the site include: Appleton Avenue to the northeast; Silver Spring Drive to the south; and the Menomonee River to the west. The subject site is located in the southwest quarter of the southwest quarter of Section 29, Township 08 North Range 21 East.

The subject site is zoned as local business and is located in a developed area with an emphasis on retail facilities and residential property. The subject site is a leased retail space of approximately 2,000 square feet in size within a single-story structure, approximately 205,000 square feet in size, which contains several other retail stores. The subject site is part of a retail property, which is approximately 20 acres in size, consisting of about five buildings. The structure was a former dry-cleaner facility but is currently vacant. The structure is a single story, slab-on-grade building. The exterior of the structure is a composite of face brick, stone veneer, and pre-cast concrete block wall facing on concrete block backup, and exposed concrete block walls brick. The remaining area of the subject site is a paved parking area.

According to Digger's Hotline, a local utility locating service, the site is serviced by City of Milwaukee water, Metro Milwaukee Sewage District sewer and Wisconsin Electric Power Company electricity and natural gas.

The terrain of the site gently slopes to the west. However, along the western property boundary the terrain moderately to steeply slopes downward approximately ten feet to the Menomonee River adjacent to the property.

2.3 PROJECT BACKGROUND

Previously, PSI performed a Phase I ESA (Project No.: 890-7E073) on the subject site on June 27, 1997. The Phase I ESA was prepared by Steve Steinhardt, PSI staff consultant.

The Phase I ESA identified recognized environmental conditions in connection with the site which included on-site use and storage of tetrachloroethylene (TCE), associated with the dry-cleaning facility. It was reported that the site had a built-in containment where spills were collected by a trench which lead to a sump. The sump was still evident during site reconnaissance.

TCE is a highly mobil and dense liquid that has a high potential to permeate and impact the soil and groundwater beneath the areas of use, if not properly handled.

2.4 PURPOSE AND SCOPE

The purpose of this Limited Phase II ESA was to develop information regarding the potential presence of tetrachloroethylene (TCE) in the groundwater at the subject site. PSI relied upon directions of the client and the PSI Phase I ESA to prepare the scope of work for this investigation.

As requested, the purpose of this Limited Phase II ESA was to evaluate whether groundwater is impacted at the site as a result of previous operations within the retail space. Based upon the results of our Phase I ESA and subsequent file review, PSI installed three (3) monitoring wells around the perimeter of the retail store where feasible. The monitoring wells were installed on August 29, 1997 and to depths ranging from 22-26 feet below ground surface (bgs).

3.0 ASSESSMENT ACTIVITIES

Field investigation and sampling activities were conducted on August 29, and September 2,1997, under the supervision of Moe I. Alrawi, Senior Project Engineer for PSI. Prior to the commencement of the assessment activities, Digger's Hotline, a local utility locating service, was contacted to locate all utilities on or adjacent to the subject site. Prior to the filed investigation utilities were marked by the respective utility companies where they entered or were located adjacent to the site. Three monitoring wells were installed to a depth ranging from 22-26 feet below ground surface (bgs) to determine the presence of contaminants of concern associated with the former use of the subject site. Locations of the monitoring wells are shown on Figure 3. Groundwater samples were submitted to PSI Analytical Laboratory in Lawrence, Kansas, WDNR Certification No. 999819040 under chain-of-custody documentation by overnight carrier for analysis. A complete copy of the laboratory analytical report is provided in the Appendix B.

3.1 RECOGNIZED ENVIRONMENTAL CONDITION

In accordance with the scope of work, three (3) monitoring wells were installed to determine the presence of contaminants of concern associated with the former use of the subject site. Groundwater samples collected from the monitoring wells MW-1, MW-2, and MW-3 installed to investigate the presence of the dry-cleaning solvent tetrachloroethylene were submitted to the laboratory for analysis of volatile organic compounds (VOC's) by Method 8260. In addition, one trip blank was analyzed for VOCs for quality control purposes

This chemical TCE, is common constituent of dry-cleaning solvent, and the analytical method is consistent with the Wisconsin Department of Natural Resources guidelines for investigating groundwater quality.

3.2 GROUNDWATER ELEVATION

The Southeastern Wisconsin Regional Planning Commission supplied PSI with a copy of a "Water-Table Map of Milwaukee, Wisconsin" prepared by the United States Geological Survey. The water table map depicts the regional groundwater level in the upper aquifer. Groundwater elevations were obtained from wells screened in the unconsolidated deposits overlying bedrock or bedrock immediately underlying the unconsolidated deposits. The water table is contoured in twenty-foot intervals and the overall scale is approximately 1:94,000. The contours indicated groundwater flows to the east-northeast with the elevation of the water table being approximately 700 feet above mean sea level. A copy of the Water Table Map is included in the Appendix.

3.3 STORAGE AND DISPOSAL OF INVESTIGATION-DERIVED WASTES

Soil cuttings and excess samples were placed into 55-gallon Department of Transportation (DOT) approved drums in accordance , labeled "drilled cuttings" and the date, and left on-site for subsequent handling by others.

Well development and purged water along with decontamination water were poured on paved parking surfaces in the immediate vicinity of the monitoring wells and allowed to evaporate. All disposable sampling materials and equipment was removed from the site.

3.4 QUALITY ASSURANCE/QUALITY CONTROL

All sampling, analysis and decontamination procedures were performed in general accordance with WDNR approved methodology. The testing methods are described in the PSI Analytical Quality Assurance Program. Field procedures are described in the PSI Technical Guidance.

Field quality control included the collection of a trip blank during the on-site sampling. The results from this sampling are included with the analytical report in the Appendix.

4.0 DATA ANALYSIS & INTERPRETATION

Analysis and interpretation of the data generated during the field investigation and laboratory testing is presented in the following section. Where appropriate, the results are compared with regulatory limits for the chemicals and compounds identified in the applicable media. Laboratory reports are included in the Appendix B.

4.1 SITE HYDROGEOLOGICAL CHARACTERISTICS

The United States Department of Agricultural Soil Conservation Service conducted a soil survey of Waukesha County, Wisconsin, in cooperation with the University of Wisconsin. The soil survey was issued in July 1971 and identifies the soils in the area of the subject site as the Ozaukee-Morley-Mequon Association. These soils typically are well drained to somewhat poorly drained that have a subsoil of silty clay loam and silty clay, formed in thin loess and silty clay loam glacial till, on moraines, and overlying bedrock formations. The bedrock formations consist of Cambrian through Devonian rocks that are underlain by crystalline rocks of the Precambrian Era.

The USGS Milwaukee, Wisconsin, quadrangle, 7.5 minute series topographic map was reviewed for this report. According to the contour lines on the topographic map, the subject site is located approximately 710 feet above mean sea level. Considering the above information, the water table is approximately 10 feet below ground surface (bgs). The contour lines in the area of the subject site indicated that the area slopes slightly to the west with approximately a 10-foot change in elevation between the subject site and the Menomonee River. A copy of the USGS Topographic Map is included in the Appendix.

The description of the subsurface conditions provided herein was derived from on-site observations of soil samples collected only from the locations where borings were installed. The soil stratigraphy at the subject site was generally constant between soil borings. Based on observations of soil samples and cuttings, the general soil stratigraphy is characterized as follows:

- 0" to 5"±: Asphalt or concrete over silty clay with gravel grading to clay

This general site stratigraphy is consistent with the regional geological conditions discussed earlier. Lithologic logs from the borings installed at the site are included in the Appendix D.

4.2 RECOGNIZED ENVIRONMENTAL CONDITION

The VOCs analysis of the groundwater samples collected to assess the REC previously identified as the former dry-cleaning facility indicated that tetrachloroethylene concentrations were below the analytical method detection limits in all three groundwater samples collected.

One method trip blank was collected and analyzed in accordance with the WDNR Analytical Guidance document. No VOCs were detected above the method detection limit in the trip blank. Based on the results of the trip blank, no cross contamination appears to affected the samples due to shipping of the samples or laboratory handling and analysis.

5.0 CONCLUSIONS AND RECOMMENDATIONS

PSI has performed a Limited Phase II Environmental Site Assessment of the subject site in substantive compliance with PSI Proposal 054-7063. Based on the results of this assessment, the following conclusions and recommendations have been developed.

Analytical results from the groundwater sample locations installed to investigate potential impact to the subject site did not identify the presence of the dry-cleaning solvent tetrachloroethylene, a common constituent of dry-cleaning solvent. This information is considered sufficient to conclude that there is no reasonable basis to suspect groundwater impact to the subject site. Based on this, no further testing of the recognized environmental conditions is recommended at this time.

6.0 REPRESENTATIONS

6.1 WARRANTY

The field observations, measurements, and research reported herein are considered sufficient in detail and scope to form a reasonable basis for a Limited Phase II Environmental Site Assessment of this property. The assessment, conclusions, and recommendations presented herein are based upon the subjective evaluation of limited data. They may not represent all conditions at the subject site as they reflect the information gathered from specific locations. PSI warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental investigation methodology and only for the site described in this report.

The Limited Phase II Environmental Site Assessment has been developed to provide the client with information regarding apparent indications of recognized environmental conditions relating to the subject property. It is necessarily limited to the conditions observed and to the information available at the time of the work.

Due to the limited nature of the work, there is a possibility that there may exist conditions which could not be identified within the scope of the assessment or which were not apparent at the time of report preparation. It is also possible that the testing methods employed at the time of the report may later be superseded by other methods. The description, type, and composition of what are commonly referred to as "hazardous materials or conditions" can also change over time. PSI does not accept responsibility for changes in the state of the art, nor for changes in the scope of various lists of hazardous materials or conditions. PSI believes that the findings and conclusions provided in this report are reasonable. However, no other warranties are implied or expressed.

6.2 USE BY THIRD PARTIES

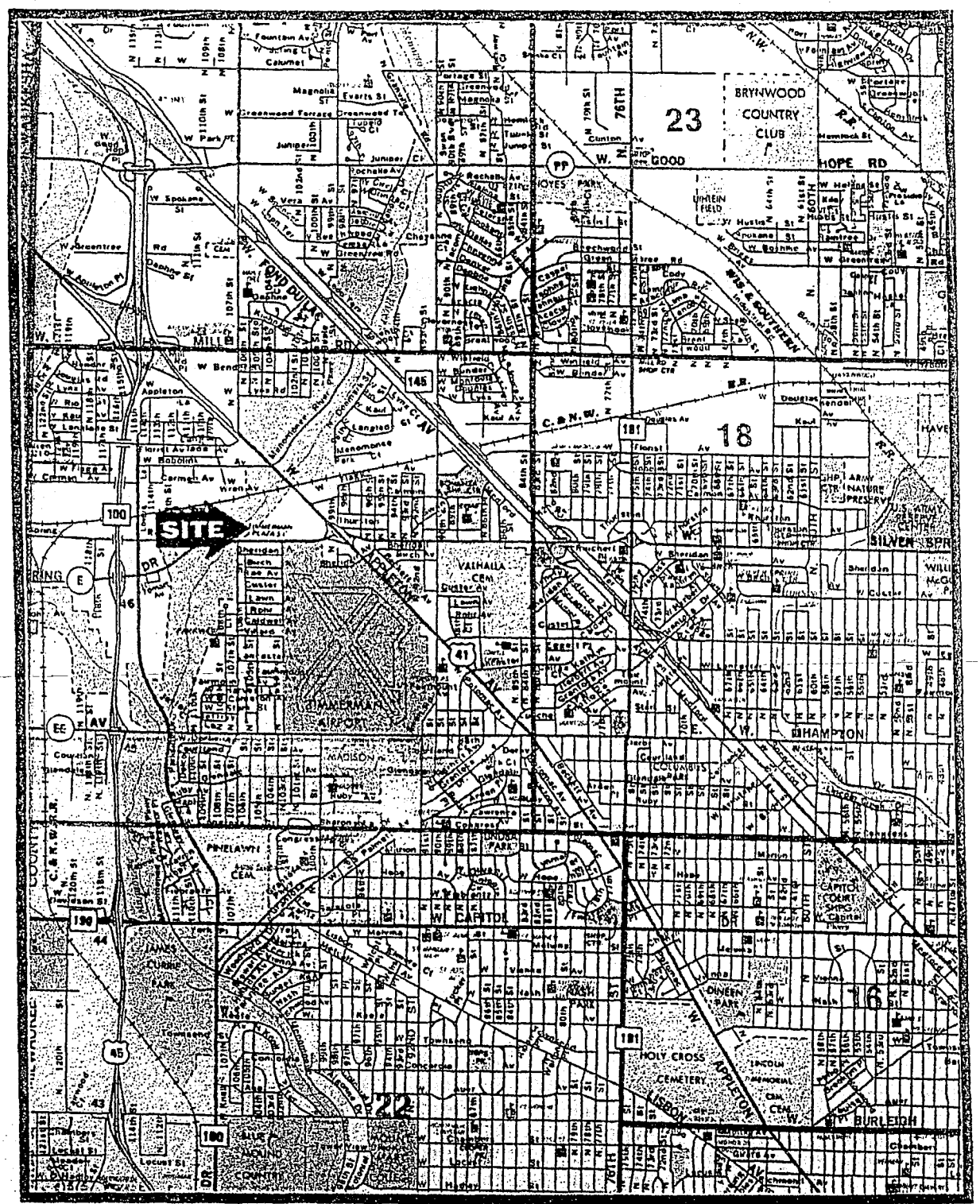
This report was prepared pursuant to the contract PSI has with AMRESCO Capital, L.P.. That contractual relationship included an exchange of information about the subject site that was unique and between PSI and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between PSI and its client, reliance or any use of this report by anyone other than AMRESCO Capital, L.P., for whom it was prepared, is prohibited and therefore not foreseeable to PSI.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to PSI's contract with client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

FIGURES

FIGURE 1

STREET MAP



Milwaukee County Street Map

North

SCALE

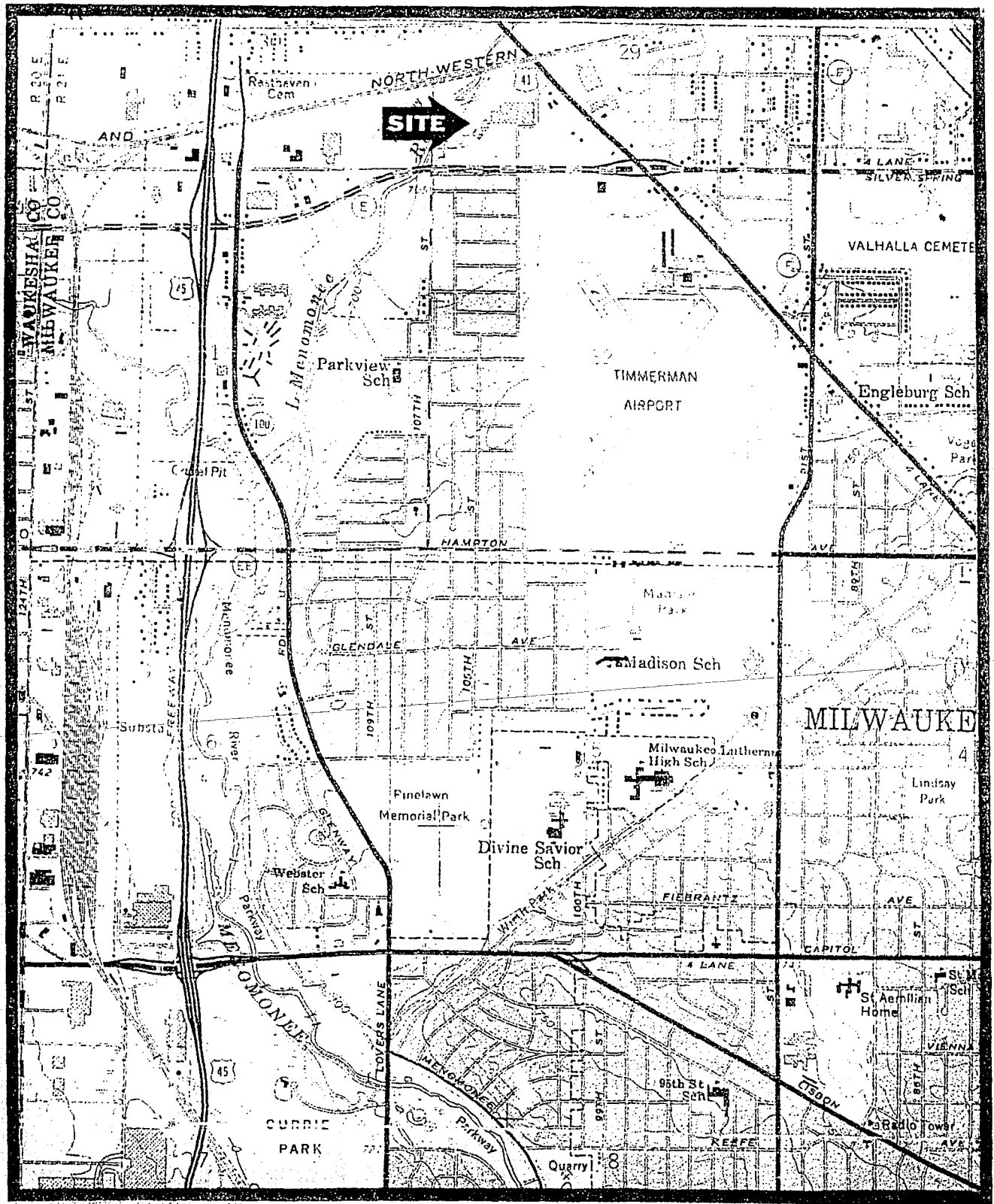
MILES 0 ½ 1

KILOMETERS 0 0.6 1.0 2.0

FIGURE 2

TOPOGRAPHIC MAP

WAUWATOSA QUADRANGLE



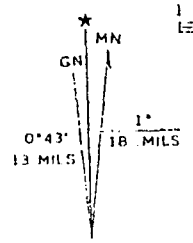
SCALE 1:24 000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

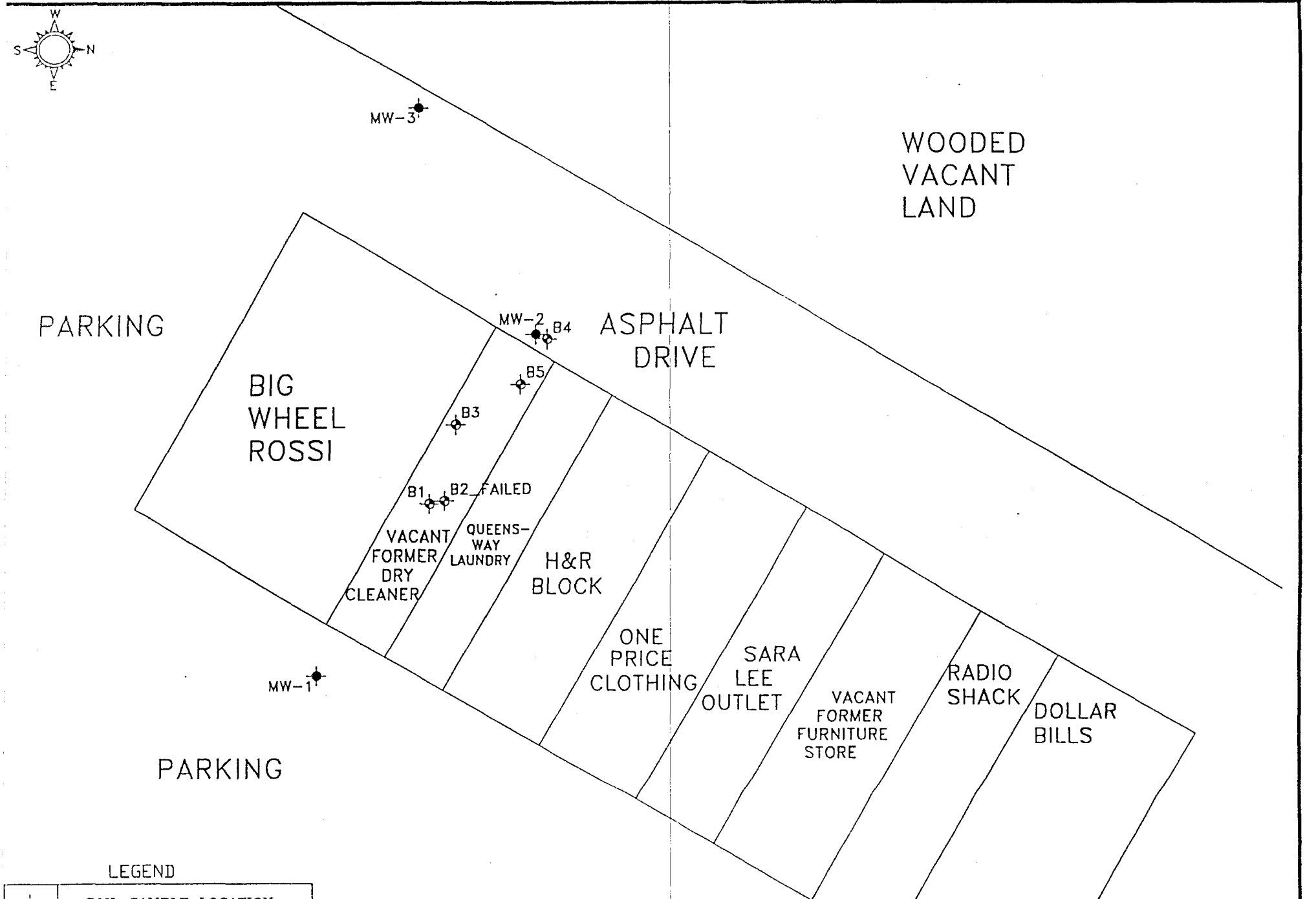


GRID AND 1971 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

FIGURE 3

GROUNDWATER MONITORING WELLS LOCATION MAP



LEGEND

⊕	SOIL SAMPLE LOCATION
⊕	MONITORING WELL

psi Environmental Geotechnical Construction
Consulting Engineering Testing
PROFESSIONAL SERVICE INDUSTRIES,INC
16601 WEST DAKOTA STREET
NEW BERLIN, WISCONSIN 53151
(414) 641-0911

PROJECT NAME: AMRESCO CAPITOL, L.P. TIMMERMAN PLAZA MILWAUKEE, WI	DRAWN BY: MCBD	DATE: 09/4/97	DRAWING NO: FIG3
TITLE: WELL LOCATIONS	SCALE: NONE	PROJECT NO: 861-71002	

APPENDICES

APPENDIX A

GROUNDWATER MONITORING WELLS CONSTRUCTION LOGS

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ **Page II**

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: **Timmerman Plaza**	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: **MW-1**
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ___ ___ ___ Long. ___ ___ ___ or	Wis. Unique Well Number: _____ DNR Well Number: _____
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	St. Plane ____ ft. N, ____ ft. E.	Date Well Installed: m m d d y y = 0 8 / 2 9 / 9 7
Distance Well Is From Waste/Source Boundary: ____ ft.	Section Location of Waste/Source: ___ 1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐ E. ☐ W.	Well Installed By: (Person's Name and Firm): **PSI**
Is Well A Point of Enforcement Std. Application? ☐ Yes ☒ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☒ Not Known	**Pat Bandl**

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis):

E. Bentonite seal, top _____ ft. MSL or _____ ft.

F. Fine sand, top _____ ft. MSL or **8.8** ft.

G. Filter pack, top _____ ft. MSL or **10.1** ft.

H. Screen joint, top _____ ft. MSL or **12.0** ft.

I. Well bottom _____ ft. MSL or **22.0** ft.

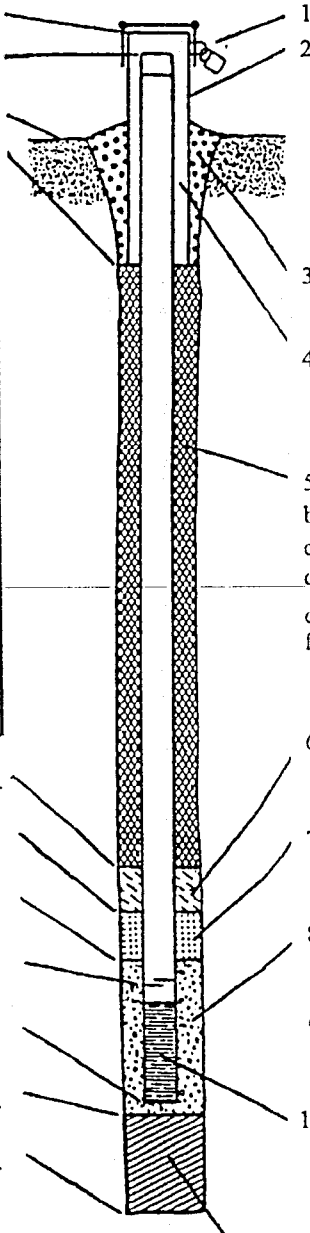
J. Filter pack, bottom _____ ft. MSL or **22.0** ft.

K. Borehole, bottom _____ ft. MSL or **22.0** ft.

L. Borehole, diameter **8.0** in.

M. O.D. well casing **2.00** in.

N. I.D. well casing **2.25** in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: **12.0** in.
b. Length: **0.6** ft.
c. Material: Steel ☒ 04; Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ ____; **Red Flint #30** Other ☒ ____

5. Annular space seal: a. Granular Bentonite ☒ 33
b. ____ Lbs/gal mud weight..Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. ____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. ____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. **Red Flint 45-55**
b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. **Red Flint, #30**
b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____

10. Screen material: **PVC**
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
b. Manufacturer **Dietrich**
c. Slot size: **0.010** in.
d. Slotted length: **10.0** ft.

11. Backfill material (below filter pack): None ☒ 14; Other ☐ ____

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

Signature _____ Firm **PSI**
16601 West Dakota Street, New Berlin, WI 53151 (414) 641-0911

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs 144,147 & 160, Wis Stats, and ch NR 141, Wis Ad Code. In accordance with ch 144, Wis Stats, failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch 147, Wis Stats, failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

71005

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ Page II

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Facility/Project Name: **Timmerman Plaza**	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: **MW-2**
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ___ ___ ___ Long. ___ ___ ___ or	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	St. Plane ____ ft. N, ____ ft. E.	Date Well Installed: 08/29/97 (m m d d y y)
Distance Well Is From Waste/Source Boundary: ft.	Section Location of Waste/Source: ___ 1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E. ☐W.	Well Installed By: (Person's Name and Firm): **PSI**
Is Well A Point of Enforcement Std. Application? ☐ Yes ☒ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☒ Not Known	**Pat Bandl**

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

15. Drilling fluid used: Water ☐02 Air ☐ 01; Drilling Mud ☐03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis):

E. Bentonite seal, top _____ ft. MSL or _____ ft.

F. Fine sand, top _____ ft. MSL or 11.7 ft.

G. Filter pack, top _____ ft. MSL or 13.1 ft.

H. Screen joint, top _____ ft. MSL or 15.0 ft.

I. Well bottom _____ ft. MSL or 25.0 ft.

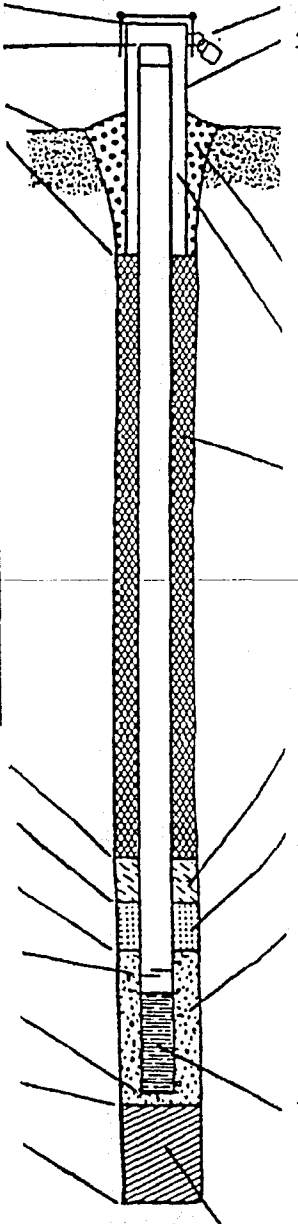
J. Filter pack, bottom _____ ft. MSL or 26.0 ft.

K. Borehole, bottom _____ ft. MSL or 26.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.00 in.

N. I.D. well casing 2.25 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 0.6 ft.
c. Material: Steel ☒ 04; Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ ____; Red Flint #30 Other ☒ ____

5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight..Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐ 1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. **Red Flint 45-55** ____
b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. **Red Flint, #30** ____
b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____

10. Screen material: **PVC** ____
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
b. Manufacturer **Dietrich**
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ☒ 14; Other ☐ ____

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

Signature _____ Firm **PSI**
16601 West Dakota Street, New Berlin, WI 53151 (414) 641-0911

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs 144,147 & 160, Wis Stats, and ch NR 141, Wis Ad Code. In accordance with ch 144, Wis Stats, failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch 147, Wis Stats, failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

71005

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ Page II

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Facility/Project Name: **Timmerman Plaza**	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: **MW-3**
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ____ Long. ____ or St. Plane ____ ft. N, ____ ft. E.	Wis. Unique Well Number: _____ DNR Well Number: _____
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location of Waste/Source: ___ 1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E. ☐W.	Date Well Installed: 0 8 / 2 9 / 9 7 (m m d d y y)
Distance Well Is From Waste/Source Boundary: ____ ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☒ Not Known	Well Installed By: (Person's Name and Firm): **PSI** Pat Bandl
Is Well A Point of Enforcement Std. Application? ☐ Yes ☒ No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis):

E. Bentonite seal, top _____ ft. MSL or _____ ft.

F. Fine sand, top _____ ft. MSL or 13.1 ft.

G. Filter pack, top _____ ft. MSL or 14.5 ft.

H. Screen joint, top _____ ft. MSL or 15.0 ft.

I. Well bottom _____ ft. MSL or 25.0 ft.

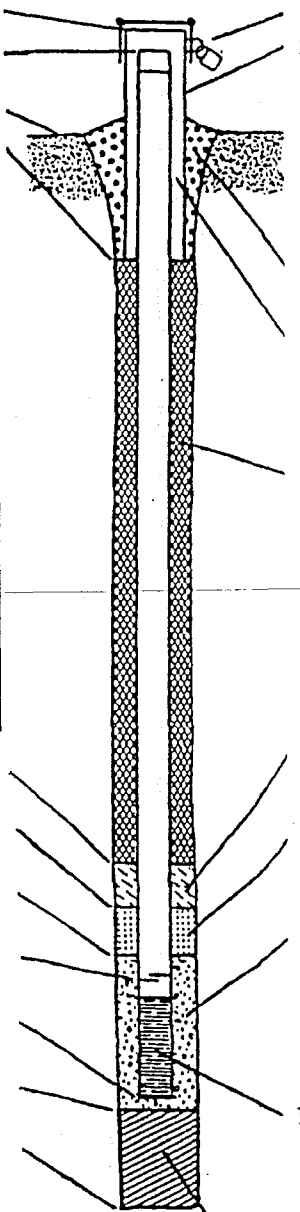
J. Filter pack, bottom _____ ft. MSL or 25.0 ft.

K. Borehole, bottom _____ ft. MSL or 26.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.00 in.

N. I.D. well casing 2.25 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 0.6 ft.
c. Material: Steel ☒ 04; Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ ____; Red Flint #30 Other ☒ ____

5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight..Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint 45-55
b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint, #30
b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
b. Manufacturer Dietrich
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ☒ 14; Other ☐ ____

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

Signature _____ Firm **PSI**
16601 West Dakota Street, New Berlin, WI 53151 (414) 641-0911

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs 144, 147 & 160, Wis Stats, and ch NR 141, Wis Ad Code. In accordance with ch 144, Wis Stats, failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch 147, Wis Stats, failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

71005

APPENDIX B

LABORATORY ANALYTICAL REPORTS

Environmental
Geotechnical
Construction
Consulting • Engineering • Testing

ANALYTICAL REPORT

TESTED FOR: PSI
16601 West Dakota Street
New Berlin, WI 53151

PROJECT NAME: Timmerman Plaza
PROJECT NUMBER: 861-7I002

ATTENTION: Moe Alrawi

REPORT DATE: September 5, 1997

PSI LAB REPORT NUMBER: 861-7I002-46882

Attached, please find our analytical report for samples described on the Chain-of-Custody Record. Please reference our report number and direct any questions regarding this report to the individual designated below or to one of our Customer Service Representatives.

Respectfully Submitted,
Professional Service Industries, Inc.

Lawrence Chemistry
Laboratory Manager

9-5-97
Date

Information To Build On

Data File: A7124.D
Analyst: Jim M.
Method: 524 Volatiles
Date of Extraction: 09/04/97
Date of Analysis: 09/04/97

Lab Sample # : 899049 25ml
Client Name: **MW-1**
Dilution: 1
Units: ug/L
Matrix: Water

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
2	DICHLORODIFLUOROMETHANE	<0.33		0.33
3	CHLOROMETHANE	<0.4		0.4
4	VINYL CHLORIDE	<0.31		0.31
5	BROMOMETHANE	<0.23		0.23
6	CHLOROETHANE	<0.28		0.28
7	TRICHLOROFLUOROMETHANE	<0.31		0.31
8	TRICHLOROTRIFLUOROETHANE	<0.48		0.48
9	1,1-DICHLOROETHENE	<0.25		0.25
10	ACROLEIN	<0.85		0.85
11	ACETONE	<0.46		0.46
12	CARBON DISULFIDE	<0.3		0.3
13	METHYLENE CHLORIDE	2.7		0.39
14	ACRYLONITRILE	<0.91		0.91
15	TERT BUTYL METHYL ETHER	<0.56		0.56
16	TERT BUTYL ALCOHOL	<5		5
17	TRANS 1,2-DICHLOROETHENE	<0.34		0.34
19	1,1-DICHLOROETHANE	<0.32		0.32
20	DI-ISOPPROPYL ETHER	<0.31		0.31
21	2,2-DICHLOROPROPANE	<0.34		0.34
22	CIS-1,2-DICHLOROETHENE	<0.35		0.35
23	2-BUTANONE	<0.67		0.67
24	CHLOROFORM	<0.32		0.32
25	BROMOCHLOROMETHANE	<0.32		0.32
26	1,1,1-TRICHLOROETHANE	<0.29		0.29
28	CARBON TETRACHLORIDE	<0.28		0.28
29	1,1-DICHLOROPROPENE	<0.34		0.34
31	BENZENE	<0.31		0.31
32	1,2-DICHLOROETHANE	<0.26		0.26
33	TRICHLOROETHENE	<0.34		0.34
34	1,2-DICHLOROPROPANE	<0.25		0.25
35	BROMODICHLOROMETHANE	<0.28		0.28
36	DIBROMOMETHANE	<0.37		0.37
37	4-METHYL-2-PENTANONE	<0.85		0.85
39	TOLUENE	0.37	J	0.31
40	1,1,2-TRICHLOROETHANE	<0.32		0.32
41	1,2,-DIBROMOETHANE	<0.34		0.34
42	CIS-1,3-DICHLOROPROPENE	<0.39		0.39
43	TRANS-1,3-DICHLOROPROPENE	<0.27		0.27
45	1,3-DICHLOROPROPANE	<1		1
46	2-HEXANONE	<0.24		0.24
47	DIBROMOCHLOROMETHANE	<0.35		0.35

Data File: A7124.D
Analyst: Jim M.
Method: 524 Volatiles
Date of Extraction: 09/04/97
Date of Analysis: 09/04/97

Lab Sample # : 899049 25ml
Client Name: MW-1
Dilution: 1
Units: ug/L
Matrix: Water

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
48	TETRACHLOROETHENE	<0.34		0.34
49	CHLOROBENZENE	<0.35		0.35
50	1,1,1,2-TETRACHLOROETHANE	<0.27		0.27
51	ETHYLBENZENE	<0.26		0.26
52	XYLENE (m-,p-)	0.46	J	0.31
53	o-XYLENE	<0.52		0.52
54	STYRENE	<0.29		0.29
55	BROMOFORM	<0.27		0.27
58	ISOPROPYLBENZENE	<1		1
59	1,1,2,2-TETRACHLOROETHANE	<0.3		0.3
60	1,2,3-TRICHLOROPROPANE	<0.33		0.33
61	BROMOBENZENE	<0.39		0.39
62	n-PROPYLBENZENE	0.45	J	0.35
63	2-CHLOROTOLUENE	<0.27		0.27
64	4-CHLOROTOLUENE	<0.3		0.3
65	1,3,5-TRIMETHYLBENZENE	<0.43		0.43
66	tert-BUTYLBENZENE	<0.37		0.37
67	1,2,4-TRIMETHYLBENZENE	0.33	J	0.27
68	sec-BUTYLBENZENE	<0.32		0.32
69	p-ISOPROPYLTOLUENE	<0.27		0.27
70	1,3-DICHLOROBENZENE	<0.27		0.27
71	1,4-DICHLOROBENZENE	0.28	J	0.27
72	n-BUTYLBENZENE	<0.28		0.28
73	1,2-DICHLOROBENZENE	<0.3		0.3
74	1,2DIBROMO3CHLOROPROPANE	<0.33		0.33
75	1,2,4-TRICHLOROBENZENE	<0.46		0.46
76	HEXACHLOROBUTADIENE	<0.4		0.4
77	NAPHTHALENE	0.77	J	0.49
78	1,2,3-TRICHLOROBENZENE	0.42	J	0.38

Surrogates	% Recovery
1,2-DICHLOROETHANE-d4	116%
BENZENE-d6	87%
TOLUENE-d8	97%
BROMOFLUOROBENZENE	104%

Data File:	A7125.D	**Lab Sample # :**	899050 25ml
Analyst:	Jim M.	**Client Name:**	MW-2
Method:	524 Volatiles	**Dilution:**	1
Date of Extraction:	09/04/97	**Units:**	ug/L
Date of Analysis:	09/04/97	**Matrix:**	Water

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
2	DICHLORODIFLUOROMETHANE	<0.33		0.33
3	CHLOROMETHANE	<0.4		0.4
4	VINYL CHLORIDE	<0.31		0.31
5	BROMOMETHANE	<0.23		0.23
6	CHLOROETHANE	<0.28		0.28
7	TRICHLOROFLUOROMETHANE	<0.31		0.31
8	TRICHLOROTRIFLUOROETHANE	<0.48		0.48
9	1,1-DICHLOROETHENE	<0.25		0.25
10	ACROLEIN	<0.85		0.85
11	ACETONE	<0.46		0.46
12	CARBON DISULFIDE	<0.3		0.3
13	METHYLENE CHLORIDE	2.6		0.39
14	ACRYLONITRILE	<0.91		0.91
15	TERT BUTYL METHYL ETHER	<0.56		0.56
16	TERT BUTYL ALCOHOL	<5		5
17	TRANS 1,2-DICHLOROETHENE	<0.34		0.34
19	1,1-DICHLOROETHANE	<0.32		0.32
20	DI-ISOPPROPYL ETHER	<0.31		0.31
21	2,2-DICHLOROPROPANE	<0.34		0.34
22	CIS-1,2-DICHLOROETHENE	<0.35		0.35
23	2-BUTANONE	<0.67		0.67
24	CHLOROFORM	<0.32		0.32
25	BROMOCHLOROMETHANE	<0.32		0.32
26	1,1,1-TRICHLOROETHANE	<0.29		0.29
28	CARBON TETRACHLORIDE	<0.28		0.28
29	1,1-DICHLOROPROPENE	<0.34		0.34
31	BENZENE	<0.31		0.31
32	1,2-DICHLOROETHANE	<0.26		0.26
33	TRICHLOROETHENE	<0.34		0.34
34	1,2-DICHLOROPROPANE	<0.25		0.25
35	BROMODICHLOROMETHANE	<0.28		0.28
36	DIBROMOMETHANE	<0.37		0.37
37	4-METHYL-2-PENTANONE	<0.85		0.85
39	TOLUENE	<0.31		0.31
40	1,1,2-TRICHLOROETHANE	<0.32		0.32
41	1,2,-DIBROMOETHANE	<0.34		0.34
42	CIS-1,3-DICHLOROPROPENE	<0.39		0.39
43	TRANS-1,3-DICHLOROPROPENE	<0.27		0.27
45	1,3-DICHLOROPROPANE	<1		1
46	2-HEXANONE	<0.24		0.24
47	DIBROMOCHLOROMETHANE	<0.35		0.35

Data File: A7125.D
Analyst: Jim M.
Method: 524 Volatiles
Date of Extraction: 09/04/97
Date of Analysis: 09/04/97

Lab Sample # : 899050 25ml
Client Name: MW-2
Dilution: 1
Units: ug/L
Matrix: Water

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
48	TETRACHLOROETHENE	<0.34		0.34
49	CHLOROBENZENE	<0.35		0.35
50	1,1,1,2-TETRACHLOROETHANE	<0.27		0.27
51	ETHYLBENZENE	<0.26		0.26
52	XYLENE (m-,p-)	0.34	J	0.31
53	o-XYLENE	<0.52		0.52
54	STYRENE	<0.29		0.29
55	BROMOFORM	<0.27		0.27
58	ISOPROPYLBENZENE	<1		1
59	1,1,2,2-TETRACHLOROETHANE	<0.3		0.3
60	1,2,3-TRICHLOROPROPANE	<0.33		0.33
61	BROMOBENZENE	<0.39		0.39
62	n-PROPYLBENZENE	<0.35		0.35
63	2-CHLOROTOLUENE	<0.27		0.27
64	4-CHLOROTOLUENE	<0.3		0.3
65	1,3,5-TRIMETHYLBENZENE	<0.43		0.43
66	tert-BUTYLBENZENE	<0.37		0.37
67	1,2,4-TRIMETHYLBENZENE	<0.27		0.27
68	sec-BUTYLBENZENE	<0.32		0.32
69	p-ISOPROPYLTOLUENE	<0.27		0.27
70	1,3-DICHLOROBENZENE	<0.27		0.27
71	1,4-DICHLOROBENZENE	<0.27		0.27
72	n-BUTYLBENZENE	<0.28		0.28
73	1,2-DICHLOROBENZENE	<0.3		0.3
74	1,2DIBROMO3CHLOROPROPANE	<0.33		0.33
75	1,2,4-TRICHLOROBENZENE	<0.46		0.46
76	HEXACHLOROBUTADIENE	<0.4		0.4
77	NAPHTHALENE	<0.49		0.49
78	1,2,3-TRICHLOROBENZENE	<0.38		0.38

Surrogates	% Recovery
1,2-DICHLOROETHANE-d4	117%
BENZENE-d6	88%
TOLUENE-d8	97%
BROMOFLUOROBENZENE	103%

Data File:	A7126.D	**Lab Sample # :**	899051 25ml
Analyst:	Jim M.	**Client Name:**	MW-3
Method:	524 Volatiles	**Dilution:**	1
Date of Extraction:	09/04/97	**Units:**	ug/L
Date of Analysis:	09/04/97	**Matrix:**	Water

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
2	DICHLORODIFLUOROMETHANE	<0.33		0.33
3	CHLOROMETHANE	<0.4		0.4
4	VINYL CHLORIDE	<0.31		0.31
5	BROMOMETHANE	<0.23		0.23
6	CHLOROETHANE	<0.28		0.28
7	TRICHLOROFLUOROMETHANE	<0.31		0.31
8	TRICHLOROTRIFLUOROETHANE	<0.48		0.48
9	1,1-DICHLOROETHENE	<0.25		0.25
10	ACROLEIN	<0.85		0.85
11	ACETONE	<0.46		0.46
12	CARBON DISULFIDE	<0.3		0.3
13	METHYLENE CHLORIDE	2.3		0.39
14	ACRYLONITRILE	<0.91		0.91
15	TERT BUTYL METHYL ETHER	<0.56		0.56
16	TERT BUTYL ALCOHOL	<5		5
17	TRANS 1,2-DICHLOROETHENE	<0.34		0.34
19	1,1-DICHLOROETHANE	<0.32		0.32
20	DI-ISOPPROPYL ETHER	<0.31		0.31
21	2,2-DICHLOROPROPANE	<0.34		0.34
22	CIS-1,2-DICHLOROETHENE	<0.35		0.35
23	2-BUTANONE	<0.67		0.67
24	CHLOROFORM	<0.32		0.32
25	BROMOCHLOROMETHANE	<0.32		0.32
26	1,1,1-TRICHLOROETHANE	<0.29		0.29
28	CARBON TETRACHLORIDE	<0.28		0.28
29	1,1-DICHLOROPROPENE	<0.34		0.34
31	BENZENE	<0.31		0.31
32	1,2-DICHLOROETHANE	<0.26		0.26
33	TRICHLOROETHENE	<0.34		0.34
34	1,2-DICHLOROPROPANE	<0.25		0.25
35	BROMODICHLOROMETHANE	<0.28		0.28
36	DIBROMOMETHANE	<0.37		0.37
37	4-METHYL-2-PENTANONE	<0.85		0.85
39	TOLUENE	<0.31		0.31
40	1,1,2-TRICHLOROETHANE	<0.32		0.32
41	1,2,-DIBROMOETHANE	<0.34		0.34
42	CIS-1,3-DICHLOROPROPENE	<0.39		0.39
43	TRANS-1,3-DICHLOROPROPENE	<0.27		0.27
45	1,3-DICHLOROPROPANE	<1		1
46	2-HEXANONE	<0.24		0.24
47	DIBROMOCHLOROMETHANE	<0.35		0.35

Data File: A7126.D
Analyst: Jim M.
Method: 524 Volatiles
Date of Extraction: 09/04/97
Date of Analysis: 09/04/97

Lab Sample # : 899051 25ml
Client Name: MW-3
Dilution: 1
Units: ug/L
Matrix: Water

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
48	TETRACHLOROETHENE	<0.34		0.34
49	CHLOROBENZENE	<0.35		0.35
50	1,1,1,2-TETRACHLOROETHANE	<0.27		0.27
51	ETHYLBENZENE	<0.26		0.26
52	XYLENE (m-,p-)	<0.31		0.31
53	o-XYLENE	<0.52		0.52
54	STYRENE	<0.29		0.29
55	BROMOFORM	<0.27		0.27
58	ISOPROPYLBENZENE	<1		1
59	1,1,2,2-TETRACHLOROETHANE	<0.3		0.3
60	1,2,3-TRICHLOROPROPANE	<0.33		0.33
61	BROMOBENZENE	<0.39		0.39
62	n-PROPYLBENZENE	<0.35		0.35
63	2-CHLOROTOLUENE	<0.27		0.27
64	4-CHLOROTOLUENE	<0.3		0.3
65	1,3,5-TRIMETHYLBENZENE	<0.43		0.43
66	tert-BUTYLBENZENE	<0.37		0.37
67	1,2,4-TRIMETHYLBENZENE	<0.27		0.27
68	sec-BUTYLBENZENE	<0.32		0.32
69	p-ISOPROPYLTOLUENE	<0.27		0.27
70	1,3-DICHLOROBENZENE	<0.27		0.27
71	1,4-DICHLOROBENZENE	<0.27		0.27
72	n-BUTYLBENZENE	<0.28		0.28
73	1,2-DICHLOROBENZENE	<0.3		0.3
74	1,2DIBROMO3CHLOROPROPANE	<0.33		0.33
75	1,2,4-TRICHLOROBENZENE	<0.46		0.46
76	HEXACHLOROBUTADIENE	<0.4		0.4
77	NAPHTHALENE	<0.49		0.49
78	1,2,3-TRICHLOROBENZENE	<0.38		0.38

Surrogates	% Recovery
1,2-DICHLOROETHANE-d4	98%
BENZENE-d6	90%
TOLUENE-d8	100%
BROMOFLUOROBENZENE	99%

QUALITY CONTROL DATA

Data File: A7118.D
Analyst: Jim M.
Method: 524 Volatiles
Date of Extraction: 09/04/97
Date of Analysis: 09/04/97

Lab Sample # : 907391MB
Client Name: Method Blank
Dilution: 1
Units: ug/L
Matrix: Water

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
2	DICHLORODIFLUOROMETHANE	<0.33		0.33
3	CHLOROMETHANE	<0.4		0.4
4	VINYL CHLORIDE	<0.31		0.31
5	BROMOMETHANE	<0.23		0.23
6	CHLOROETHANE	<0.28		0.28
7	TRICHLOROFLUOROMETHANE	<0.31		0.31
8	TRICHLOROTRIFLUOROETHANE	<0.48		0.48
9	1,1-DICHLOROETHENE	<0.25		0.25
10	ACROLEIN	<0.85		0.85
11	ACETONE	<0.46		0.46
12	CARBON DISULFIDE	<0.3		0.3
13	METHYLENE CHLORIDE	<0.39		0.39
14	ACRYLONITRILE	<0.91		0.91
15	TERT BUTYL METHYL ETHER	<0.56		0.56
16	TERT BUTYL ALCOHOL	<5		5
17	TRANS 1,2-DICHLOROETHENE	<0.34		0.34
19	1,1-DICHLOROETHANE	<0.32		0.32
20	DI-ISOPPROPYL ETHER	<0.31		0.31
21	2,2-DICHLOROPROPANE	<0.34		0.34
22	CIS-1,2-DICHLOROETHENE	<0.35		0.35
23	2-BUTANONE	<0.67		0.67
24	CHLOROFORM	<0.32		0.32
25	BROMOCHLOROMETHANE	<0.32		0.32
26	1,1,1-TRICHLOROETHANE	<0.29		0.29
28	CARBON TETRACHLORIDE	<0.28		0.28
29	1,1-DICHLOROPROPENE	<0.34		0.34
31	BENZENE	<0.31		0.31
32	1,2-DICHLOROETHANE	<0.26		0.26
33	TRICHLOROETHENE	<0.34		0.34
34	1,2-DICHLOROPROPANE	<0.25		0.25
35	BROMODICHLOROMETHANE	<0.28		0.28
36	DIBROMOMETHANE	<0.37		0.37
37	4-METHYL-2-PENTANONE	<0.85		0.85
39	TOLUENE	<1		1
40	1,1,2-TRICHLOROETHANE	<0.32		0.32
41	1,2,-DIBROMOETHANE	<0.34		0.34
42	CIS-1,3-DICHLOROPROPENE	<0.39		0.39
43	TRANS-1,3-DICHLOROPROPENE	<0.27		0.27
45	1,3-DICHLOROPROPANE	<1		1
46	2-HEXANONE	<0.24		0.24
47	DIBROMOCHLOROMETHANE	<0.35		0.35

Data File:	A7118.D	**Lab Sample # :**	907391MB
Analyst:	Jim M.	**Client Name:**	**Method Blank**
Method:	524 Volatiles	**Dilution:**	1
Date of Extraction:	09/04/97	**Units:**	ug/L
Date of Analysis:	09/04/97	**Matrix:**	Water

Cmpd #	Analyte	Result	Analysis Code	Detection Limit
48	TETRACHLOROETHENE	<0.34		0.34
49	CHLOROBENZENE	<0.35		0.35
50	1,1,1,2-TETRACHLOROETHANE	<0.27		0.27
51	ETHYLBENZENE	<0.26		0.26
52	XYLENE (m-,p-)	<0.31		0.31
53	o-XYLENE	<0.52		0.52
54	STYRENE	<0.29		0.29
55	BROMOFORM	<0.27		0.27
58	ISOPROPYLBENZENE	<1		1
59	1,1,2,2-TETRACHLOROETHANE	<0.3		0.3
60	1,2,3-TRICHLOROPROPANE	<0.33		0.33
61	BROMOBENZENE	<0.39		0.39
62	n-PROPYLBENZENE	<0.35		0.35
63	2-CHLOROTOLUENE	<0.27		0.27
64	4-CHLOROTOLUENE	<0.3		0.3
65	1,3,5-TRIMETHYLBENZENE	<0.43		0.43
66	tert-BUTYLBENZENE	<0.37		0.37
67	1,2,4-TRIMETHYLBENZENE	<0.27		0.27
68	sec-BUTYLBENZENE	<0.32		0.32
69	p-ISOPROPYLTOLUENE	<0.27		0.27
70	1,3-DICHLOROBENZENE	<0.27		0.27
71	1,4-DICHLOROBENZENE	<0.27		0.27
72	n-BUTYLBENZENE	<0.28		0.28
73	1,2-DICHLOROBENZENE	<0.3		0.3
74	1,2DIBROMO3CHLOROPROPANE	<0.33		0.33
75	1,2,4-TRICHLOROBENZENE	<0.46		0.46
76	HEXACHLOROBUTADIENE	<0.4		0.4

Surrogates	% Recovery
1,2-DICHLOROETHANE-d4	105%
BENZENE-d6	92%
TOLUENE-d8	102%
BROMOFLUOROBENZENE	107%

LCS Recovery Form

Data File: A7117.D
Analyst: Jim M.
Method: 524 Volatiles

Lab Sample # : 907390LCS
Client ID: Laboratory Control Sample
Date of Extraction: 09/04/97
Date of Analysis: 09/04/97

Cmpd #	Analyte	Conc	Spike Conc.	%Rec.		Avg -3SD	Avg +3SD
2	DICHLORODIFLUOROMETHANE	10.09	10	100.95%		16	145
3	CHLOROMETHANE	9.30	10	93.00%		62	130
4	VINYL CHLORIDE	9.82	10	98.21%		64	132
5	BROMOMETHANE	8.32	10	83.18%		67	132
6	CHLOROETHANE	8.77	10	87.73%		69	130
7	TRICHLOROFLUOROMETHANE	9.57	10	95.74%		73	121
8	TRICHLOROTRIFLUOROETHANE	9.17	10	91.70%		74	144
9	1,1-DICHLOROETHENE	9.37	10	93.73%		79	121
10	ACROLEIN	1.60	10	16.01%	*	50	144
11	ACETONE	5.02	10	50.24%	*	76	121
12	CARBON DISULFIDE	8.64	10	86.39%		68	116
13	METHYLENE CHLORIDE	5.15	10	51.46%	*	75	123
14	ACRYLONITRILE	4.73	10	47.31%	*	57	135
15	TERT BUTYL METHYL ETHER	4.75	10	47.45%	*	78	122
16	TERT BUTYL ALCOHOL	71.59	100	71.59%		60	147
17	TRANS 1,2-DICHLOROETHENE	8.24	10	82.38%		80	119
19	1,1-DICHLOROETHANE	9.38	10	93.84%		87	116
20	DI-ISOPPROPYL ETHER	5.54	10	55.36%	*	77	120
21	2,2-DICHLOROPROPANE	8.31	10	83.10%	*	84	121
22	CIS-1,2-DICHLOROETHENE	10.17	10	101.74%		78	133
23	2-BUTANONE	7.58	10	75.82%		63	144
24	CHLOROFORM	10.36	10	103.55%		81	126
25	BROMOCHLOROMETHANE	9.50	10	95.01%		81	127
26	1,1,1-TRICHLOROETHANE	8.85	10	88.47%		86	118
28	CARBON TETRACHLORIDE	10.73	10	107.35%		83	118
29	1,1-DICHLOROPROPENE	10.40	10	104.00%		86	127
31	BENZENE	10.04	10	100.37%		84	121
32	1,2-DICHLOROETHANE	8.61	10	86.12%		81	126
33	TRICHLOROETHENE	9.17	10	91.70%		87	115
34	1,2-DICHLOROPROPANE	8.46	10	84.58%		81	124
35	BROMODICHLOROMETHANE	11.40	10	114.05%		83	120
36	DIBROMOMETHANE	7.13	10	71.34%	*	80	123
37	4-METHYL-2-PENTANONE	4.78	20	23.89%	*	70	130
39	TOLUENE	9.08	10	90.83%		84	120
40	1,1,2-TRICHLOROETHANE	9.41	10	94.13%		81	123
41	1,2,-DIBROMOETHANE	9.79	10	97.87%		76	129
42	CIS-1,3-DICHLOROPROPENE	8.94	10	89.40%		79	124
43	TRANS-1,3-DICHLOROPROPENE	8.53	10	85.33%		85	135
45	1,3-DICHLOROPROPANE	6.48	10	64.84%		62	149
46	2-HEXANONE	5.33	10	53.27%	*	81	126
47	DIBROMOCHLOROMETHANE	11.93	10	119.35%		66	140
48	TETRACHLOROETHENE	11.13	10	111.26%		79	119
49	CHLOROBENZENE	8.89	10	88.90%		87	116
50	1,1,1,2-TETRACHLOROETHANE	10.36	10	103.65%		80	124
51	ETHYLBENZENE	11.35	10	113.45%		78	127
52	XYLENE (m-,p-)	22.16	20	110.81%		79	122
53	o-XYLENE	9.84	10	98.39%		81	121
54	STYRENE	8.30	10	82.98%		80	126
55	BROMOFORM	5.90	10	58.99%	*	80	123
56	BROMOFLUOROBENZENE	9.18	10	91.81%		79	123

LCS Recovery Form

Data File: A7117.D
Analyst: Jim M.
Method: 524 Volatiles

Lab Sample # : 907390LCS
Client ID: Laboratory Control Sample
Date of Extraction: 09/04/97
Date of Analysis: 09/04/97

Cmpd #	Analyte	Conc	Spike Conc.	%Rec.	Avg -3SD	Avg +3SD
59	1,1,2,2-TETRACHLOROETHANE	8.74	10	87.40%	81	123
60	1,2,3-TRICHLOROPROPANE	9.87	10	98.74%	72	132
61	BROMOBENZENE	8.60	10	85.99%	72	132
62	n-PROPYLBENZENE	9.63	10	96.27%	82	121
63	2-CHLOROTOLUENE	10.96	10	109.55%	81	120
64	4-CHLOROTOLUENE	11.13	10	111.26%	79	115
65	1,3,5-TRIMETHYLBENZENE	10.33	10	103.35%	75	126
66	tert-BUTYLBENZENE	12.65	10	126.49%	79	130
67	1,2,4-TRIMETHYLBENZENE	10.83	10	108.28%	81	121
68	sec-BUTYLBENZENE	11.91	10	119.10%	76	125
69	p-ISOPROPYLTOLUENE	11.82	10	118.21%	77	124
70	1,3-DICHLOROBENZENE	9.26	10	92.57%	74	126
71	1,4-DICHLOROBENZENE	8.48	10	84.83%	81	125
72	n-BUTYLBENZENE	12.13	10	121.30%	78	125
73	1,2-DICHLOROBENZENE	8.26	10	82.64%	78	128
74	1,2DIBROMO3CHLOROPROPANE	8.12	10	81.21%	81	117
75	1,2,4-TRICHLOROBENZENE	8.67	10	86.74%	66	138
76	HEXACHLOROBUTADIENE	11.65	10	116.50%	70	136
77	NAPHTHALENE	11.05	10	110.52%	79	129
78	1,2,3-TRICHLOROBENZENE	9.38	10	93.83%	63	138
80	1,4-DIOXANE	21.82	20	109.09%	50	150

Laboratory: PSI-Lawrence
Instrument: HP 5970, MSA
Method: 524 Volatiles

Batch # :A090497
Sample Name: 898926 25ml.
Matrix: Water

Analyte	A7121.D	A7123.D	A7122.D	Spike Conc.	MS %Rec.	MSD %Rec.	Avg.%Rec.	%RPD		Avg-3SD	Avg+3SD	RPD
DICHLORODIFLUOROMETHANE	0.00	8.65	9.08	10	87%	91%	89%	5%		36	148	24
CHLOROMETHANE	0.00	8.80	9.10	10	88%	91%	90%	3%		64	132	18
VINYL CHLORIDE	0.00	8.95	9.97	10	89%	100%	95%	11%		68	128	18
BROMOMETHANE	0.00	9.90	9.42	10	99%	94%	97%	5%		74	124	16
CHLOROETHANE	0.00	8.11	8.14	10	81%	81%	81%	0%		77	122	18
TRICHLOROFLUOROMETHANE	0.00	8.86	9.24	10	89%	92%	91%	4%		73	122	16
TRICHLOROTRIFLUOROETHANE	0.00	8.47	8.79	10	85%	88%	86%	4%		77	134	20
1,1-DICHLOROETHENE	0.00	9.15	9.31	10	91%	93%	92%	2%		72	117	18
ACROLEIN	0.00	9.55	6.90	10	96%	69%	82%	32%		40	137	34
ACETONE	0.00	7.96	8.11	10	80%	81%	80%	2%		57	129	44
CARBON DISULFIDE	0.00	8.60	8.82	10	86%	88%	87%	3%		55	119	22
METHYLENE CHLORIDE	0.00	7.36	7.72	10	74%	77%	75%	5%		72	122	25
ACRYLONITRILE	0.00	9.73	8.72	100	10%	9%	9%	11%	*	58	135	19
TERT BUTYL METHYL ETHER	0.00	8.49	8.68	10	85%	87%	86%	2%		63	133	33
TERT BUTYL ALCOHOL	0.00	91.88	78.63	100	92%	79%	85%	16%		60	144	37
TRANS 1,2-DICHLOROETHENE	0.00	8.42	8.69	10	84%	87%	86%	3%		75	115	19
1,1-DICHLOROETHANE	0.00	8.38	8.61	10	84%	86%	85%	3%		76	127	21
DI-ISOPPROPYL ETHER	0.00	8.57	8.92	10	86%	89%	87%	4%		74	117	20
2,2-DICHLOROPROPANE	0.00	7.93	8.16	10	79%	82%	80%	3%		69	121	18
CIS-1,2-DICHLOROETHENE	0.00	9.03	9.12	10	90%	91%	91%	1%		70	132	17
2-BUTANONE	0.00	8.63	9.42	10	86%	94%	90%	9%		58	142	40
CHLOROFORM	0.00	8.64	8.97	10	86%	90%	88%	4%		78	122	17
BROMOCHLOROMETHANE	0.00	8.73	8.82	10	87%	88%	88%	1%		83	120	19
1,1,1-TRICHLOROETHANE	0.00	8.85	9.12	10	89%	91%	90%	3%		78	121	18
CARBON TETRACHLORIDE	0.00	8.62	8.98	10	86%	90%	88%	4%		70	121	17
1,1-DICHLOROPROPENE	0.00	8.68	8.82	10	87%	88%	87%	2%		77	123	18
BENZENE	0.00	8.72	9.05	10	87%	91%	89%	4%		78	120	17
1,2-DICHLOROETHANE	0.00	8.74	8.90	10	87%	89%	88%	2%		77	121	17
TRICHLOROETHENE	0.00	8.14	8.98	10	81%	90%	86%	10%		78	119	17
1,2-DICHLOROPROPANE	0.00	8.70	9.09	10	87%	91%	89%	4%		80	120	20
BROMODICHLOROMETHANE	0.00	8.36	8.65	10	84%	86%	85%	3%		72	121	17
DIBROMOMETHANE	0.00	8.79	8.55	10	88%	85%	87%	3%		77	120	21
4-METHYL-2-PENTANONE	0.00	8.76	8.66	10	88%	87%	87%	1%		10	140	50
TOLUENE	0.00	8.82	9.61	10	88%	96%	92%	9%		79	130	17
1,1,2-TRICHLOROETHANE	0.00	8.50	8.84	10	85%	88%	87%	4%		79	120	16
1,2,-DIBROMOETHANE	0.00	8.52	8.73	10	85%	87%	86%	2%		79	118	17
CIS-1,3-DICHLOROPROPENE	0.00	8.15	8.51	10	82%	85%	83%	4%		72	123	18
TRANS-1,3-DICHLOROPROPENE	0.00	8.36	8.39	10	84%	84%	84%	0%		83	126	17
1,3-DICHLOROPROPANE	0.00	8.73	8.61	10	87%	86%	87%	1%		54	141	29
2-HEXANONE	0.00	8.38	7.95	10	84%	79%	82%	5%		75	122	22
DIBROMOCHLOROMETHANE	0.00	8.63	8.73	10	86%	87%	87%	1%		60	136	32
TETRACHLOROETHENE	0.00	8.98	9.19	10	90%	92%	91%	2%		68	121	17
CHLOROBENZENE	0.00	8.82	9.04	10	88%	90%	89%	2%		81	117	18
1,1,1,2-TETRACHLOROETHANE	0.00	8.92	9.13	10	89%	91%	90%	2%		79	118	18
ETHYLBENZENE	0.00	8.96	9.14	10	90%	91%	90%	2%		72	123	19
XYLENE (m-,p-)	0.00	17.74	18.28	20	89%	91%	90%	3%		75	118	17
o-XYLENE	0.00	8.88	9.15	10	89%	91%	90%	3%		63	131	27
STYRENE	0.00	8.67	8.94	10	87%	89%	88%	3%		78	120	17
ISOPROPYLBENZENE	0.00	8.97	9.35	10	90%	94%	92%	4%		61	143	35
1,1,2,2-TETRACHLOROETHANE	0.00	8.70	8.96	10	87%	90%	88%	3%		77	127	18
1,2,3-TRICHLOROPROPANE	0.00	8.44	8.39	10	84%	84%	84%	1%		70	127	31
BROMOBENZENE	0.00	8.78	9.21	10	88%	92%	90%	5%		72	124	24
n-PROPYLBENZENE	0.00	8.40	8.43	10	84%	84%	84%	0%		77	118	17
2-CHLOROTOLUENE	0.00	8.93	9.18	10	89%	92%	91%	3%		77	118	16
4-CHLOROTOLUENE	0.00	8.76	9.22	10	88%	92%	90%	5%		70	126	24
1,3,5-TRIMETHYLBENZENE	0.00	8.97	9.22	10	90%	92%	91%	3%		73	128	24
tert-BUTYLBENZENE	0.00	8.92	9.23	10	89%	92%	91%	3%		79	118	20
1,2,4-TRIMETHYLBENZENE	0.00	8.92	9.01	10	89%	90%	90%	1%		76	119	16
sec-BUTYLBENZENE	0.00	8.88	9.23	10	89%	92%	91%	4%		71	121	27
p-ISOPROPYLTOLUENE	0.00	8.82	9.03	10	88%	90%	89%	2%		77	117	17
1,3-DICHLOROBENZENE	0.00	8.63	9.27	10	86%	93%	90%	7%		71	126	20
1,4-DICHLOROBENZENE	0.00	8.91	8.94	10	89%	89%	89%	0%		79	118	18
n-BUTYLBENZENE	0.00	8.92	8.95	10	89%	90%	89%	0%		75	118	15
1,2-DICHLOROBENZENE	0.00	8.66	9.02	10	87%	90%	88%	4%		71	126	26
1,2DIBROMO3CHLOROPROPANE	0.00	8.36	8.25	10	84%	83%	83%	1%		77	117	17
1,2,4-TRICHLOROBENZENE	0.00	8.67	8.68	10	87%	87%	87%	0%		64	126	28
HEXACHLOROBUTADIENE	0.00	8.64	8.90	10	86%	89%	88%	3%		71	125	20
NAPHTHALENE	0.00	8.32	7.80	10	83%	78%	81%	7%		72	136	24
1,2,3-TRICHLOROBENZENE	0.00	8.32	8.52	10	83%	85%	84%	2%		64	126	31
1,4-DIOXANE	2917.41	1608.32	1844.16	500	262%	-215%	24%	2020%	*	71	131	23

CHAIN OF CUSTODY RECORD

psi Professional Service Industries, Inc.

PROJECT NAME	REPORT TO	INVOICE TO
Timmerman Plaza	Moe ALrawI	Same
PROJECT NUMBER: 861-7I002	PROJECT MANAGER: Same	ADDRESS
P.O. NUMBER: 054	ADDRESS: 16601 ~~Same~~ West Dakota	CITY / STATE / ZIP
REQUIRED DUE DATE: 24 hrs	CITY / STATE / ZIP: New Berlin WI	ATTENTION
SAMPLES TO LAB VIA: Airborne	TELEPHONE: 6410411 FAX: 6410418	TELEPHONE
NUMBER OF COOLERS: 1	REPORT VIA: VERBAL (FAX) U.S. MAIL/OVERNIGHT	

LABORATORY SUBMITTED TO:

- ☐ 6913 Hwy. 225, Deer Park, TX 77536, (713) 479-8307
- ☒ 4820 W. 15th Street, Lawrence, KS 66049, (800) 548-7901
- ☐ 6056 Ulmerton Road, Clearwater, FL 34620, (813) 531-1446
- ☐ 850 Poplar Street, Pittsburgh, PA 15220, (412) 922-4000

TRANSFER NUMBER	RELINQUISHED BY DATE / TIME	ACCEPTED BY DATE / TIME	SEAL NUMBER
01	9-2 - 4pm	R. Wenner 9-3-97	

LABORATORY USE ONLY
FIELD SERVICES Y/N $
SHIPPING Y/N $

LABORATORY USE ONLY
ANALYTICAL DUE DATE
REPORT DUE DATE
INORGANIC Sect ____ Row ____ ORGANIC Sect ____ Row VF
PSI PROJECT NAME PSI-New Berlin 054
PSI PROJECT # 861-7I002
PSI BATCH # 46882

LABORATORY USE ONLY
SAMPLE CUSTODIAN: Rebecca Warner
DATE / TIME: 9-3-97

PARAMETER LIST: VOC* 8260 per San Fero [?] 9-3-97

SAMPLE IDENTIFICATION	DATE / TIME		COMP-C GRAB-B	SOIL-S WATER-W WASTE-X	LAB USE ONLY LAB NUMBER	NUMBER OF CONTAINERS	VOC*
MW-1	9/2	1420	B	W	899049	3	X
MW-2	9/2	1410	B	W	899050	3	X
MW-3	9/2	13:55	B	W	899051	3	X

ADDITIONAL REMARKS * See Attached list for Detection Limits — Shipped on ICE

SAMPLER'S SIGNATURE [signature]

PSI A-600-10 (1)

APPENDIX C

WATER TABLE MAP

WATER-TABLE MAP OF MILWAUKEE COUNTY, WISCONSIN

MAY, 1979

EXPLANATION

WATER-TABLE CONTOUR

Shows altitude of water table Contour interval 20 feet, with supplemental contour interval of 10 feet, shown as dashed lines. Datum is mean sea level.

WELL OR BORING

Used to determine water table

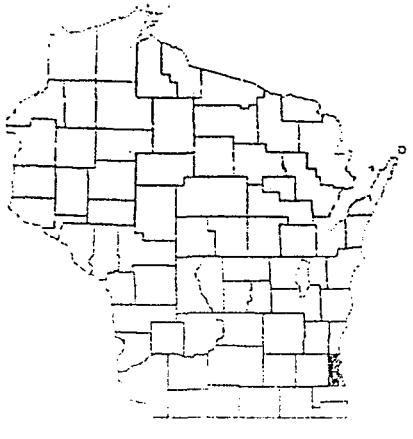
The water table is the upper surface of a zone of saturation. It is defined by the levels at which the water stands in wells that penetrate the water body just far enough to hold standing water. In wells that penetrate to greater depths, the water level may stand above or below the water table.

The data used to make this map were taken from many sources and include water levels from different years and seasons. An effort was made to use data that represented average water levels.

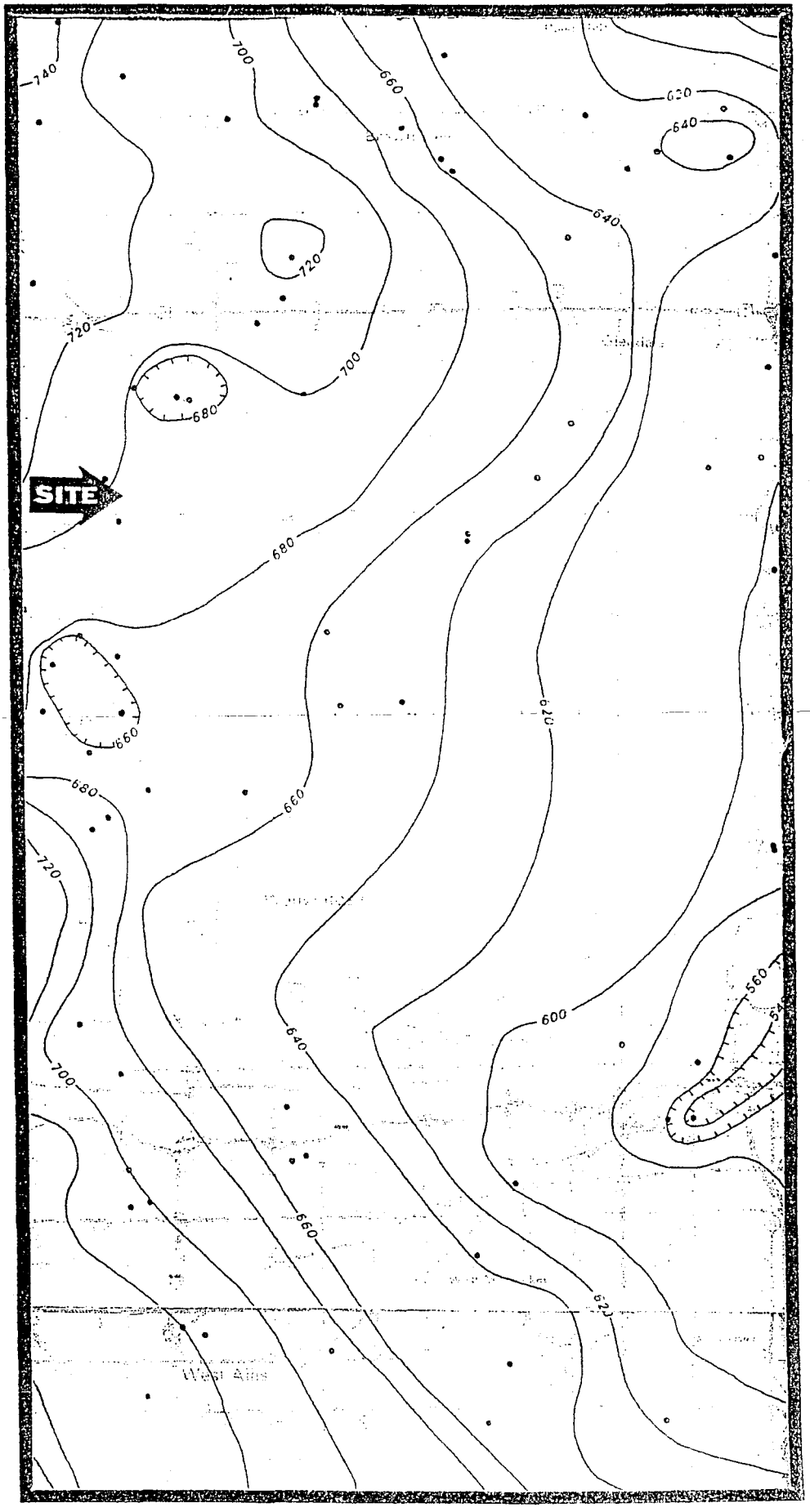
SCALE 1:100,000

0 1 2 3 MILES

0 1 2 3 4 KILOMETERS



LOCATION OF MILWAUKEE COUNTY IN WISCONSIN



APPENDIX D

SOIL BORING LOGS

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Superfund ☐ Other Pase II

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 5-92

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Timmerman Plaza		B-1

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
PSI Pat Bandl	08 / 29 / 97 MM DD YY	08 / 29 / 97 MM DD YY	Hollow Stem Auger

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-1	Feet MSL	Feet MSL	8.00 inches

Boring Location
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "

Local Grid Location (If applicable)
☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

County	DNR 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 Geological 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
1SS	24/6	0 3 4 6	0	0.0 to 1.0 4 insces asphalt over sand and gravel FILL, brown, moist	FILL CL			ND						
2SS	24/12	2 5 5 5	2.0	1.0 to 10.5 Silty CLAY, brown, moist				ND						
3SS	24/20	8 2 4 7	4.0					ND						
4SS	24/20	0 3 5 10	6.0					ND						
5SS	24/20	12 4 5 7	8.0					ND						
6SS	24/20	12 2 5 8	10.0	10.5 to 11.5 Organic Clay, dark brown, moist	CL			ND						
7SS	24/20	16 3 6 8	12.0	11.5 to 17.0 CLAY, brown, moist	CL			ND						
8SS	24/20	11 3 11 14	14.0					ND						
9SS	24/20	14 3 13 17	16.0					ND						
10SS	24/20	21 3 4 17	18.0	17.0 to 21.0 Fine grained SAND, greenish brown, moist	SP			ND						
11SS	24/24	23 6 6 6	20.0					ND						
		9	22.0	21.0 to 22.0 Sily CLAY, gray brown, moist										
			24.0	End of Boring										

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

Signature

Firm **PSI**
16601 West Dakota Street, New Berlin, WI 53151 (414) 641-0911

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

71005

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Superfund ☒ Other Phase II

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 5-92

Page 1 of 2

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Timmerman Plaza		**B-2**

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
PSI **Pat Bandl**	08 / 29 / 97 (MM DD YY)	08 / 29 / 97 (MM DD YY)	**Hollow Stem Auger**

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-2	Feet MSL	Feet MSL	**8.00** inches

Boring Location
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "

Local Grid Location (If applicable)
☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

County	DNR 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 Geological 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
1SS	24/3	0 3 3		**0.0 to 17.0 2 inches asphalt over silty CLAY, brown, moist**	CL			ND						
2SS	24/20	3 2 4	2.0					ND						
3SS	24/20	4 8 3	4.0					ND						
4SS	24/24	5 7 11	6.0					ND						
5SS	24/20	3 6 7	8.0					ND						
6SS	24/20	9 5 6	10.0					ND						
7SS	24/20	7 11 4	12.0					ND						
8SS	24/20	5 7 12	14.0					ND						
9SS	24/2	8 13 9	16.0					ND						
		8 6		**17.0 to 18.0 GRAVEL with sand and fines, dark brown, wet**	GM									
10SS	24/20	6 2	18.0	**18.0 to 26.0 Silty CLAY, grayish brown, very moist to wet**	CL			ND						
11SS	24/20	8 9 4	20.0					ND						
12SS	24/20	4 6 10	22.0					ND						
		7 7 12												
		4	24.0											

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

Signature _____ Firm **PSI**
16601 West Dakota Street, New Berlin, WI 53151 (414) 641-0911

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources
Boring Number B-2

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A Rev. 5-92
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 Geological 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
13SS	24/20	1 10 21 50	26.0	26.0 End of Boring				ND						

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Superfund ☒ Other Phase II

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 5-92

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Timmerman Plaza		**B-3**

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
PSI **Pat Bandl**	08 / 29 / 97 (MM DD YY)	08 / 29 / 97 (MM DD YY)	**Hollow Stem Auger**

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _	_ _ _ _ _ _	**MW-3**	_____ Feet MSL	_____ Feet MSL	**8.00** inches

Boring Location
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "

Local Grid Location (If applicable)
☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

County	DNR 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 Geological 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
			4.0	0.0 to 20.0 4 inches asphalt over silty CLAY, brown, moist	CL									
			8.0											
			12.0											
			16.0											
			20.0	20.0 to 25.0 Silty CLAY, grayish brown, wet	CL									
			24.0											
				25.0 End of Boring										
			28.0											
			32.0											
			36.0											
			40.0											
			44.0											
			48.0											

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

Signature _____ Firm **PSI**
16601 West Dakota Street, New Berlin, WI 53151 (414) 641-0911

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

71005