ENGINEERING
ARCHITECTURE
ENVIRONMENTAL

Sterling Dry Cleaners
302 W. WI Ave
(So's Dry Cleaners)
04-45-255919
09-45-551548 (1/2/10 B)

OMNNI ASSOCIATES

OMNNI ASSOCIATES, INC.
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
1-800-571-6677
920-735-6900
FAX 920-830-6100

* Results indicate no levels triggering a response
CM
4/12/10

December 22, 2010

Ms. Sue Olson
City of Appleton
100 North Appleton Street
Appleton, WI 54911

RE: Documentation of the excavation of petroleum contaminated soil from the right-of-way at ten locations along STH 96 (Wisconsin Ave.), Appleton.

Dear Ms. Olson:

During the 2010 road construction season, OMNNI coordinated the excavation and proper disposal of petroleum contaminated soil from ten sites, as part of the STH 96 (Wisconsin Ave.) reconstruction project in Appleton. The project involves a two-mile urban section of Wisconsin Ave., from Erb St. on the west end to Ballard Rd. on the east end. (See Map of Sites of Interest, Appendix 1.) The first phase of the project, involving utility work, took place in 2010. The reconstruction of the roadway will take place in 2011.

This stretch of Wisconsin Ave. has a long history as a major east-west arterial in Appleton. Many of its intersections contained multiple gas stations, and a number of auto repair shops and dry cleaning establishments were also located along the roadway.

A 2006 Phase 1 hazardous materials assessment identified 36 known and potential sources of environmental impact along the project corridor. Phase 2 subsurface investigations were carried out in 2007 on 16 sites, many of them uninvestigated former gas stations. As a result of Phase 1 and Phase 2 activities, 28 sites of environmental interest to the road reconstruction project were identified.

In the fall of 2009, OMNNI submitted an application for pre-approval of disposal of contaminated soils at the Outagamie County Landfill (1419 Holland Rd., Appleton, WI 54911). Test results from prior investigations and from the 2007 Phase 2 boring program were submitted to the landfill for review. A soils staging protocol was also submitted for approval. The Outagamie County Landfill approved the application and staging procedure. (See materials in Appendix 2.) Approval was contingent on two conditions:

1. OMNNI would screen the soils in the field to make sure that any contaminated soils encountered were contaminated at levels consistent with previously known levels, and
2. The soils would first be staged at the landfill and tested, with final acceptance dependent on test results meeting landfill acceptance criteria.

Over the course of the utility phase of the project, OMNNI provided field services at 17 sites. A photoionization detector (PID) was utilized to aid in segregating clean from contaminated soils as utility excavation proceeded.

Contamination was encountered at ten sites:

1. 307 W. Wisconsin Ave. (Garvey Parking Lot)
2. 111 W. Wisconsin Ave. (Open Pantry)
3. 100 W. Wisconsin Ave. (Christy's Service)
4. 104 E. Wisconsin Ave. (J&B Trophy)
5. 516 E. Wisconsin Ave. (Schoenbohm)
6. 800 E. Wisconsin Ave. (Pizza King)
7. 1216 E. Wisconsin Ave. (Moose Lodge)
8. 1302 E. Wisconsin Ave. (Red Cross)
9. 1322 E. Wisconsin Ave. (Wash Basket)
10. 1336 E. Wisconsin Ave. (Haviland Hearing Aid)

The depth and extent of contaminated soil was noted in the field. (See the field sheets in Appendix 3.) Contaminated soils were segregated and transported to the Outagamie County Landfill by Van Straten Construction Co. (2117 South Oneida St., Green Bay, WI 54304) or Jossart Brothers Construction (1682 Swan Rd., De Pere, WI 54115), the excavation contractors for the utility project. Contaminated soils were staged on plastic at the landfill, sampled, covered with plastic, and placarded. Soil samples were tested at Synergy Environmental Lab, Inc. (1990 Prospect Ct., Appleton, WI 54914) for gasoline range organics (GRO), diesel range organics (DRO), petroleum volatile organic compounds (PVOCs), and lead. Since the Red Cross site was formerly a dry cleaning establishment, full volatile organic compounds (VOCs) were analyzed. PVOCs were not analyzed at the Pizza King site.

Analytical test results were submitted to the Outagamie County Landfill, and were reviewed by the landfill's consultant. All test results met landfill acceptance criteria, and all staged soils were accepted for disposal at the landfill.

Laboratory results are found in Appendix 4. Landfilled volumes are found in Appendix 5.

Sincerely,

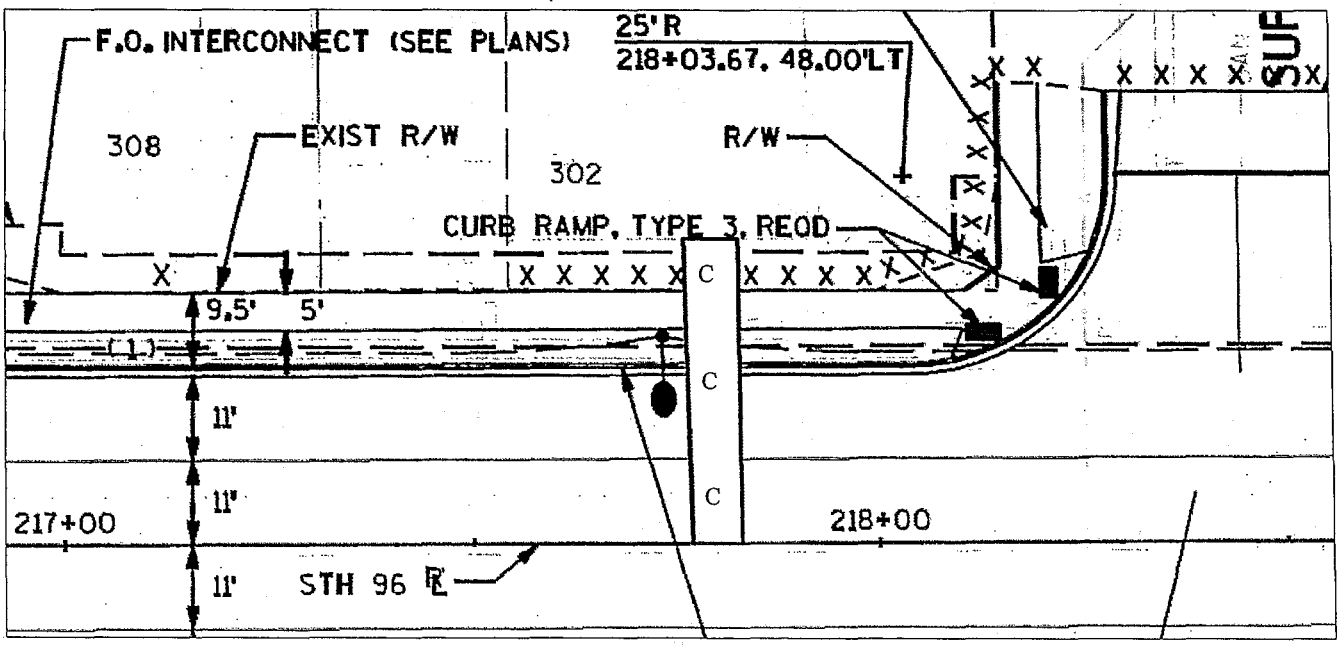
Don Brittnacher

Don Brittnacher, P.G., P.E.
Hydrogeologist

cc: Mr. Tom Sturm, WDNR, 647 Lakeland Road, Shawano, WI 54166 (without laboratory sheets or landfill tickets)

Appendix 1: Map of Sites of Interest
Appendix 2: Landfill Approval Materials
Appendix 3: Field Sheets
Appendix 4: Laboratory Results
Appendix 5: Landfilled Volumes

Sterling Dry Cleaners
302 W. Wisconsin Ave.



Date	Sample	Description	Contamination Depths	PID	Truck
7/9/10		brown, silty clay		C	-

Note: C = clean, non-contaminated soil

Phase 2 Subsurface Investigation

at

Sterling Dry Cleaners Property, 304 W. Wisconsin Ave.
Appleton, Wisconsin

for

DOT Project Design ID #4075-17-00
Wisconsin Ave. (STH 96)
Richmond St. to Ballard Rd., Appleton
Outagamie County

December 12, 2007

OMNNI Project #E1715B07

ENGINEERING • ARCHITECTURE • ENVIRONMENTAL

OMNNI ASSOCIATES

Don Brittnacher
OMNNI Associates
One Systems Dr.
Appleton, WI 54914

Ph.: 920/735-6900
Fax: 920/830-6100
Email: don.brittnacher@omnni.com

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LIST OF APPENDICES

EXECUTIVE SUMMARY

OMNNI Associates has completed a subsurface investigation on the Wisconsin Ave. (STH 96) right-of-way adjacent to the Sterling Dry Cleaners property, 304 W. Wisconsin Ave., Appleton, Outagamie County, Wisconsin. The property is located on the northwest corner of the intersection of Superior St. and Wisconsin Ave. The area investigated was identified as a potentially contaminated site within the area of planned reconstruction of Wisconsin Ave. (STH 96). In a Phase 1 hazardous materials assessment report dated March 29, 2006, OMNNI recommended Phase 2 borings, based on the long-time use of the site as a dry cleaning establishment.

For this Phase 2 investigation, two geoprobe soil borings were installed to a depth of 10 feet. Soil samples were tested for volatile organic compounds (VOCs). There was no field or analytical evidence of soil contamination at the sampled locations.

Temporary wells were installed in the borings, and groundwater samples were taken and sampled for VOCs. Very minor contamination was found in temporary well TW6. There was no evidence of groundwater contamination in temporary well TW5.

Contamination does not pose a potential hazard to project activities. OMNNI recommends no further investigative activity near the right-of-way at the site.

INTRODUCTION/BACKGROUND

The Phase 2 services were performed in conjunction with the planned reconstruction of Wisconsin Avenue (STH 96) between Richmond St. and Ballard Rd. in the City of Appleton. The site of the boring project is located in the SE ¼ of the SW ¼ of section 23, T21N, R17E, in the City of Appleton, Outagamie County, Wisconsin. (See Site Location Map, Appendix 1.)

The existing roadway in the project area is in poor condition and deteriorating. Project activities will include the replacement of utilities, road reconstruction, the addition of turn lanes where appropriate, and aesthetic streetscape improvements.

In a Phase 1 hazardous materials assessment report dated March 29, 2006, OMNNI recommended Phase 2 borings at the Sterling Dry Cleaners site. (See Environmental History, Appendix 1.) Dry cleaning operations have occurred at the site for many years, and no record of subsurface investigation at the site was found.

The following are the primary contacts for the project:

Client: WisDOT Northeast Region, 944 Vanderperren Way, Green Bay, WI 54304-5344; (920) 492-7175. Contact: Kathy Van Price.

Consultant: OMNNI Associates, One Systems Drive, Appleton, WI 54914; (920) 735-6900. Contacts: Peggy Hawley, Don Brittnacher.

Geoprober: On-Site Environmental Services, Inc., P.O. Box 280, Sun Prairie, WI 53590; (608) 837-8992. Contact: Joanne Austin.

Laboratory: Synergy Environmental Lab, 1990 Prospect Ct., Appleton, WI 54914; (920) 830-2455.

GEOLOGY AND HYDROGEOLOGY

Surface deposits in the vicinity of the site consist of glacial lake deposits formed during the Pliestocene period. United States Geological Survey maps (Water Resources of Wisconsin - Fox-Wolf River Basin, by Perry G. Alcott, 1968) indicate that the deposits in the area are composed of clay, silt, and sand. The deposits overlie the Platteville, Decorah, and Galena dolomite.

Soil samples collected during geoprobing activities at the site consisted of clay, with a sandy clay seam at six feet below the surface. Bedrock was not encountered in the borings, and is anticipated to be over 50 feet from the surface

Topography on-site is flat. During geoprobing activities, groundwater was encountered at approximately 5.2 feet below the ground surface. The groundwater flow direction is unknown, but is anticipated to be in a southeasterly direction, based on investigative work done on the property across Wisconsin Avenue to the south of the subject property.

The soils on-site consist primarily of Kewaunee silt loam soils, which are gently sloping, moderately well drained and well drained soils.

FIELD ACTIVITIES

On July 10, 2007, OMNNI coordinated the installation of two geoprobe soil borings (B5 and B6) at the site. The borings were installed in street right-of-way. (See Photo and Plan View of Site, Showing Boring Locations, Appendix 1.)

The borings were drilled to a depth of 10 feet. (See soil boring log information forms, Appendix 2.) Soil samples were obtained continuously for field screening with a photoionization detector (PID). At each sampling interval, a representative portion of the soil was also collected for possible laboratory analysis. (See Handbook of Field Procedures, Appendix 3.) Soil samples were chosen from each boring for laboratory analysis based on Department of Transportation protocol.

Temporary monitoring wells were installed in the borings. The wells were allowed to recover prior to testing.

Approximately two gallons of soil cuttings were collected during the geoprobe activities. The soil cuttings were contained until return of the laboratory results, and are being disposed of properly.

FIELD AND ANALYTICAL RESULTS

Headspace screening results from the two soil borings were 0.0 ppm (isobutylene equivalents). (See soil boring logs for headspace data, Appendix 2.) Field headspace results did not show evidence of contamination in the borings. No staining or odors were evident.

The soil samples collected from the borings were tested for volatile organic compounds (VOCs). The analytical samples were collected from the 7.5 – 10 feet interval in boring B6 and the 5 – 7.5 feet interval in boring B7. Laboratory analysis revealed no evidence of contamination. (See Table 1 – Summary of Laboratory Analysis - Soil Samples, below, and Laboratory Analysis Results and Chain of Custody Documentation, Appendix 4.)

TABLE 1
SUMMARY OF LABORATORY ANALYSIS
SOIL SAMPLES
Sterling Dry Cleaners - 304 W. Wisconsin Ave.

PARAMETER	NR 720.09 RCLs based on protection of groundwater	B5-3 (TW5)	B6-4 (TW6)
SAMPLE DEPTH (feet)		5 - 7.5	7.5 - 10
SAMPLE DATE		7/10/07	7/10/07
PID LEVEL (ppm - isobutylene equivalents)		0	0
VOCs (µg/kg)	-	ND	ND

RCL = residual contaminant level
ND = all parameters < 25 ug/l, except m&p-xylene, which is < 50 ug/l.

TABLE 2
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES
Sterling Dry Cleaners - 304 W. Wisconsin Ave.

PARAMETER (µg/L)	ES	PAL	TW5 (B5)	TW6 (B6)
SAMPLE DATE			7/13/07	7/13/07
DETECTED VOCs				
TOLUENE	1,000	200	< 0.46	1.14 "J"

ES = enforcement standard
PAL = preventive action limit
1.14 "J" = detected between the limit of detection and the limit of quantitation.

The groundwater samples collected from the temporary wells were tested for VOCs. (See Table 2 – Summary of Laboratory Analysis, Groundwater Samples, above, and Laboratory Analysis Results and Chain of Custody Documentation, Appendix 4.) Toluene was detected at 1.14 ug/L in temporary well TW6. There was no evidence of groundwater contamination in temporary well TW5.

All boreholes were properly abandoned. (See borehole abandonment forms, Appendix 2.)

CONCLUSIONS/RECOMMENDATIONS

Based on field testing and laboratory analysis results, contamination was not found at high enough concentrations and at elevations close enough to the surface to pose a potential hazard to project activities. OMNNI recommends no further investigative activity near the right-of-way at the site.

STANDARD OF CARE

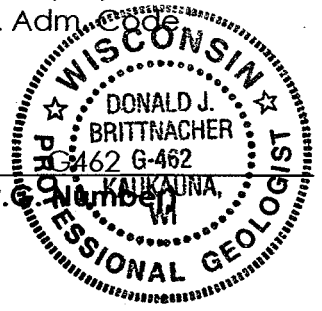
The conclusions presented in this investigation were arrived at using generally accepted hydrogeologic and engineering practices. The conclusions presented herein represent our professional opinions, based on the data collected at the time of the investigation, at the specific boring and sampling locations discussed in this report. Conditions at other locations on the property may be different than described in this investigation. The scope of this report is limited to the specific project and location described herein.

Prepared By: Don Brittnacher

Don Brittnacher, P.G., P.E.
Hydrogeologist, Engineer

"I, Don Brittnacher, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Don Brittnacher , G-462
(Professional Geologist) **(P.G. Number)**

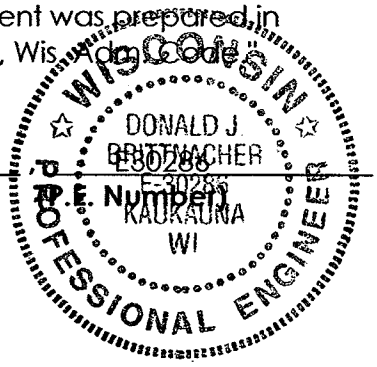


"I, Don Brittnacher, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all

information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Don Brittnacher

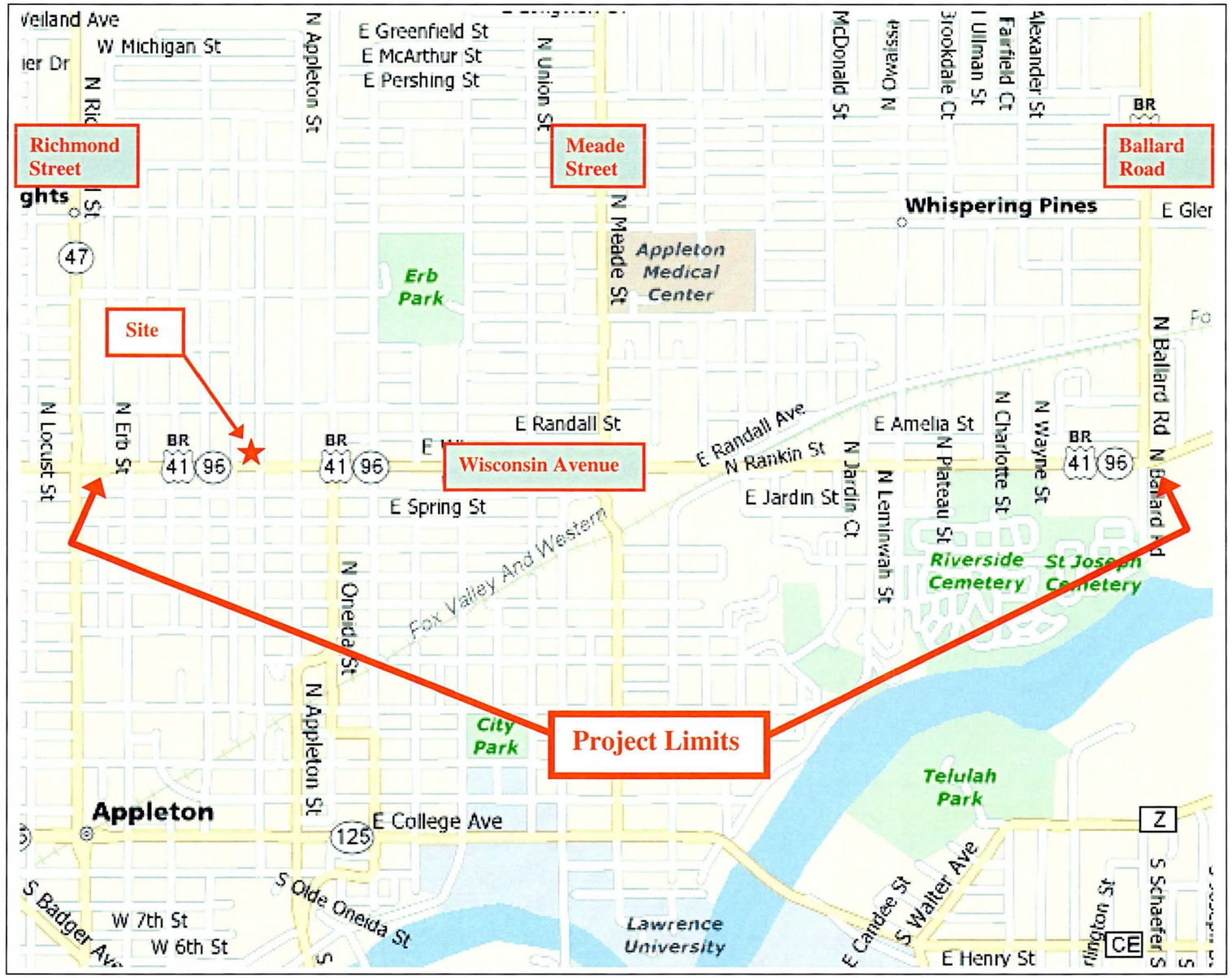
(Professional Engineer)



P.E. Number

APPENDIX 1

Site Location Map;
Environmental History;
Photo and Plan View of Site, Showing Boring Locations



Source: Mapquest, 2007

Site Location Map
Sterling Dry Cleaners,
304 W. Wisconsin Ave.

Project: Wisconsin Avenue (STH 96)
Richmond Street to Ballard Road
Appleton, Outagamie County, Wisconsin

OMNI ASSOCIATES

Project Number:
N1715B07

Date: October 15, 2007

One Systems Drive, Appleton, Wisconsin 54914-1654
Phone: (920) 735-6900 Fax: (920) 830-6100

Environmental History
Sterling Dry Cleaners, 304 W. Wisconsin Ave.

Operations of Interest:

dry cleaner: 1955 - 1977
1990 - present

Regulatory History:

barrel of chlorinated solvents spilled in 1999
small quantity generator

Sanborn Maps

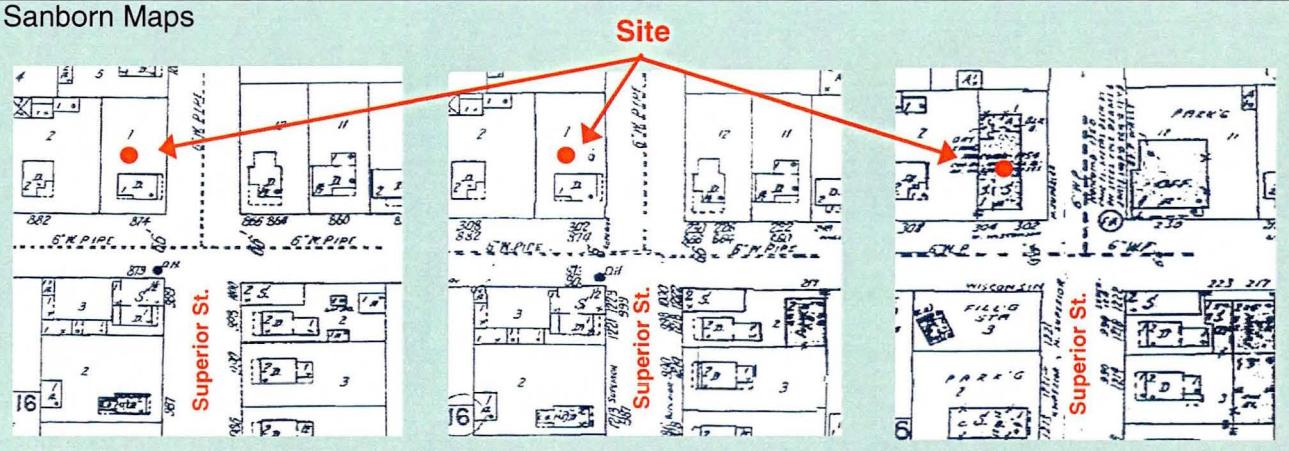
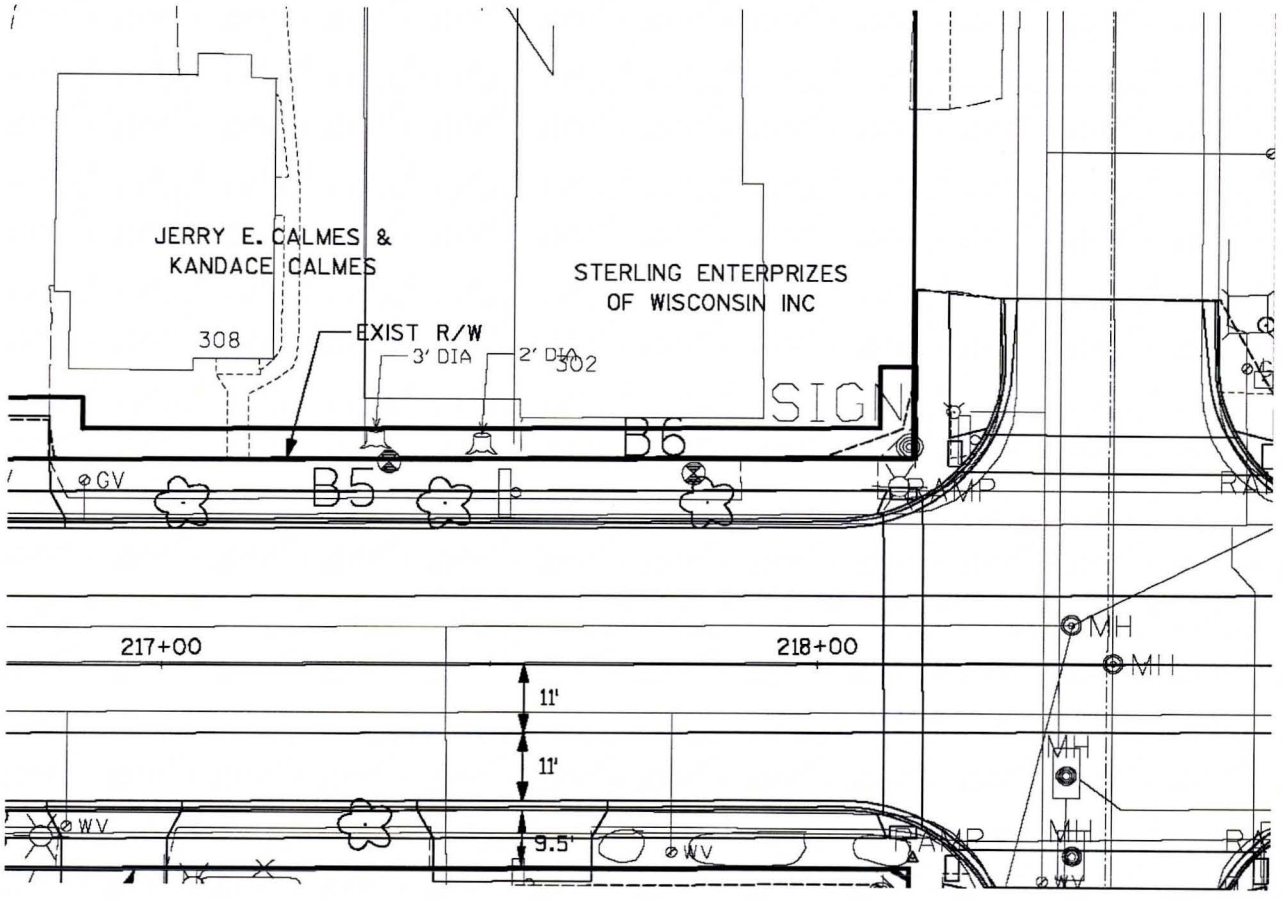


Photo and Plan View of Site, Showing Boring Locations

Sterling Dry Cleaners, 304 W. Wisconsin Ave.



APPENDIX 2

DNR Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Wis DOT

Sterling, west boring; DOT ID 4075-17-00; 304 W. Wisconsin Ave. Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Wisconsin Ave./STH 96; Richmond-Ballard;		B5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: On-Site Environmental	7,10,2007 (m m d d y y y y)	7,10,2007 (m m d d y y y y)	geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane ____ N, ____ E S/C/N
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W

SE 1/4 of SW 1/4 of Section 23, T 21 N, R 17 E

Facility ID	County	County Code	Civil Town/City/or Village
	Outagamie	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	gray topsoil										
B5-1			1	gray-brown silt				0		d				
			2											
			3											
B5-2			4	gray-brown clay				0		m/w				
			5											
			6											
B5-3 *			7	red-brown sandy clay				0		w				
			8	red-brown clay										
B5-4			9					0		w				
			10	e.o.b.										

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

Signature	Firm
Don Buttnacher	OMNNI Associates

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Wis DOT

Sterling, East Boring; DOT ID 4075-17-00; 304 W. Wisconsin Ave. Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Wisconsin Ave./STH 96: Richmond-Ballard;		B6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: On-Site Environmental	7,10,2007 (m m d d y y y y)	7,10,2007 (m m d d y y y y)	geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane ____ N, ____ E S/C/N
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W

SE 1/4 of SW 1/4 of Section 23, T 21 N, R 17 E

Facility ID	County	County Code	Civil Town/City or Village
	Outagamie	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	concrete/base course										
B6-1			2	no recovery				0		d				
B6-2			3					0		m				
			4											
			5	red-brown clay										
B6-3			6					0		w				
			7											
			8											
B6-4 *			9					0		w				
			10	e.o.b.										

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

Signature	Firm
Don Brittnacher	OMNNI Associates

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other: WisDOT

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _	B5	Outagamie

Common Well Name: | Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range
SE	SW	23	21 N	17 ☒ E ☐ W

Well Location ☐ ft. / ☒ M (Local Grid ☐) Datum
_____ ☐ N / ☐ S _____ ☐ E / ☐ W _____ Zone
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft / ☐ M Datum
_____ N, _____ ☐ E / ☐ W _____ Zone
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ ☐ S ☐ C ☐ N

Reason For Abandonment: no longer needed
WI Unique Well No. of Replacement Well: _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: STH 96 (Wisconsin Ave.) R.O.W.
Facility ID: Sterling, west boring | License/Permit/Monitoring No.
Street Address of Well: 304 W. Wisconsin Ave.
City, Village or Town: Appleton, WI
Present Well Owner: City of Appleton | Original Well Owner: City of Appleton
Street Address or Route of Present Owner: 100 N. Appleton St.
City: Appleton | State: WI | ZIP Code: 54911

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 7/10/07
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
10	1
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	10

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown
If yes, to what depth (feet)? | Depth to Water (feet): 5.4

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): gravity

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks, Sealant or Volume (circle one)	Mix Ratio or Mud Weight
topsoil	Surface	0.5	
bentonite	0.5	10	1/3	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work: OMNNI Associates
Date of Abandonment: 7/13/07
Street or Route: One Systems Dr.
Telephone Number: (920) 735-6900
City: Appleton | State: WI | ZIP Code: 54914
Signature of Person Doing Work: Don Brittnacher
Date Signed: 7-20-07

DNR Use Only
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other: Wis DOT

1. General Information

WI Unique Well No.	DNR Well ID No.	County
— — — — —	B6	Outagamie

Common Well Name: | Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range
SE	SW	23	21 N	17 ☒ E ☐ W

Well Location ☐ ft / ☒ M (Local Grid ☐) Datum
— N / S — E / W — Zone
WTM ☐ UTM ☐ Latitude/Longitude ☐ State Plane ☐ S C N

Local Grid Origin ☐ ft / ☒ M Datum
— N, — E / W — Zone
WTM ☐ UTM ☐ Latitude/Longitude ☐ State Plane ☐ S C N

Reason For Abandonment: no longer needed
WI Unique Well No. of Replacement Well: — — — — —

2. Facility / Owner Information

Facility Name: STH 96 (Wisconsin Ave.) R.O.W.
Facility ID: Sterling, east boring | License/Permit/Monitoring No.:
Street Address of Well: 304 W. Wisconsin Ave.
City, Village or Town: Appleton, WI
Present Well Owner: City of Appleton | Original Well Owner: City of Appleton
Street Address or Route of Present Owner: 100 N. Appleton St.
City: Appleton | State: WI | ZIP Code: 54911

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 7/10/07
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
10	1
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	10

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	5.1

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): gravity

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks, Sealant or Volume (circle one)	Mix Ratio or Mud Weight
concrete	Surface	0.5		
bentonite	0.5	10	1/3	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work: OMNNI Associates
Date of Abandonment: 7/13/07
Street or Route: One Systems Dr.
Telephone Number: (920) 735-6900
City: Appleton | State: WI | ZIP Code: 54914
Signature of Person Doing Work: Don Brittnacher
Date Signed: 7-20-07

DNR Use Only
Date Received | Noted By
Comments

APPENDIX 3

Handbook of Field Procedures

HANDBOOK OF FIELD PROCEDURES

TABLE OF CONTENTS

PERSONNEL QUALIFICATIONS

Brian D. Wayner:	Completed 40-hour hazardous waste training. Bachelors Degree in Electrical Engineering from University of Wisconsin-Milwaukee. Masters Degree in Environmental Engineering from University of New Haven. PECFA Consultant Registration #47551. Licensed Professional Engineer (no. 35304), State of Wisconsin
Don Brittnacher:	Completed 40-hour hazardous waste training. Bachelors Degree in Geology from University of Notre Dame. Masters Degree in Environmental Health Engineering from University of Notre Dame. Licensed Professional Geologist (no. 462), State of Wisconsin Licensed Professional Engineer (no. 30286), State of Wisconsin PECFA Consultant Registration/Certified Site Assessor-42127.
David L. Fries:	Completed 40-hour hazardous waste training. Bachelors Degree in Geology from Lawrence University, Appleton, WI. Masters Degree in Environmental Science from University of Wisconsin-Green Bay. Licensed Professional Geologist (no. 192), State of Wisconsin PECFA Consultant Registration/Certified Site Assessor-42009. Certified Hazardous Materials Manager (no. 10226)
Jason C. Weis:	Completed 40-hour hazardous waste training. Bachelors Degree in Civil Engineering from University of Wisconsin-Platteville. Masters Degree in Environmental Engineering from University of Wyoming. Licensed Professional Engineer (no. 36681), State of Wisconsin
Deanna L. Drum:	Completed 40-hour hazardous waste training. Associate Degree in Mechanical Design, Fox Valley Technical College.

SOIL BORING INSTALLATION PROCEDURES

A number of different drilling and Geoprobing® firms are used for environmental investigations. Borings intended to be converted to monitoring wells are advanced using 7 5/8" outside diameter (O.D.) x 4.5" inside diameter (I.D.) hollow stem augers or 6.25" O.D. solid stem augers powered by a truck-mounted drill rig. If bedrock drilling is required, borings are advanced using either air or mud-rotary drilling techniques. Soil borings not intended for monitoring wells are typically advanced using 4" O.D. solid stem augers. The Geoprobe® typically advances a 2" diameter hole. All soil borings that are not converted to permanent or temporary groundwater monitoring wells are properly abandoned per chapter NR 141, Wisconsin Administrative Code.

Samples are typically obtained from each boring at 2.5' intervals by split-spoon sampling according to American Society for Testing and Materials (ASTM) Standard D 1586. A portion of each sample is screened with a photoionization detector (PID). At each sampling interval, a representative portion of the soil is also collected for possible laboratory analysis. Soil samples are chosen from each boring for laboratory analysis based on headspace screening data, and visual and olfactory observations. In general, the sample from each boring that exhibits the highest PID reading is chosen for analysis. See the Soil Sampling Procedures below for further information pertaining to field headspace analysis and sample collection procedures.

SOIL SAMPLING PROCEDURES

All soil sampling is performed in accordance with the Wisconsin Department of Natural Resources (WDNR) publication PUBL-SW-127, Soil Sampling Requirements for LUST Site Investigations and Excavations and chapter COMM 10, Flammable and Combustible Liquids, Wis. Adm. Code. The soil samples are collected and analyzed in accordance with methods described in Table C-3 in Appendix C of WDNR PUBL-RR-614, Interim Guidance On Natural Attenuation For Petroleum Releases, 1999. Our standard instruments and sample collection procedures are as follows:

1. Soil samples are collected from a split-spoon sampler or a polyethylene tube during environmental drilling.

2. Sample collector wears new latex exam gloves when collecting samples to decrease the risk of personal exposure and cross contamination.

3. A portion of the sample is collected in a sampling syringe and placed in an appropriate container (see Table 1), immediately placed on ice, and later delivered to a WDNR-certified laboratory for analysis. This procedure is discussed in more detail later in this report.

4. The remaining portion of the sample is placed in a clean 4 oz. jar (approx. half-filled), and sealed with aluminum foil and a teflon-lined lid. The headspace sample is then agitated for a minimum of 30 seconds and allowed to equilibrate. Minimum equilibration time will correspond to the following specifications:

Minimum Sample Headspace Equilibration Time

Ambient Outside Air Temperature at the Time of Sample Collection:	Minimum Amount of Time Sample Must equilibrate at 70° F or Greater Temperature:
< 40 °F	40 minutes
41 – 55 °F	20 minutes
56 – 69 °F	10 minutes
> 70 °F	5 minutes

Instrument Specifications

When the sample has completed equilibration, it is promptly field analyzed with a portable PID. OMNNI uses either a Photovac Inc. Microtip HL-200 or ML-1000 or a Thermo Environmental Instruments Model 580A organic vapor monitor (OVM), both equipped with an 11.2 ev lamp. A background reading is first taken. The PID probe is then inserted into the jar through a single hole in the aluminum foil. The instrument reading is measured at one-half the distance between the foil seal and the sample surface. The measured reading is then recorded.

Isobutylene at a concentration of 100 ppm is used for field calibration gas. The PID meter is field calibrated at the following times:

- At the beginning of each day
- After any significant change in temperature or humidity
- Every three hours
- After any repairs to the instrument are performed

All samples are returned to the laboratory as soon as possible, usually the day the sample was collected. All samples are returned to the laboratory under chain-of-custody protocol, using form #4400-151. Time of sample collection and sample PID reading are listed. Care is taken to ensure that the chain-of-custody form is properly and fully completed before submitting to the laboratory. The samples are sent to a laboratory certified by the WDNR.

Table 2 on page 9 outlines the required WDNR laboratory analysis for specific contaminants. Soil analyses, other than those in Table 2, will be conducted in accordance with methods approved by the WDNR.

MONITORING WELL INSTALLATION AND DEVELOPMENT PROCEDURES

The permanent monitoring wells are typically constructed of two-inch, schedule 40, flush-thread polyvinyl chloride (PVC) casings and slotted well screens. Temporary wells are constructed of one-inch diameter, schedule 40 PVC casings and slotted screens. Prior to use, well parts are individually wrapped in plastic.

Permanent wells are installed and developed according to chapter NR 141, Wis. Adm. Code. The monitoring wells are installed with five to fifteen-foot screens which are placed in the borings to intersect the water table. Piezometers are installed with five-foot screens sealed beneath the water table. Filter pack and annular space seal material are installed by gravity as the augers are withdrawn from the hole. Wells are cut to the required height using a PVC pipe cutter.

An as-constructed well and boring survey is performed by OMNNI once field work is complete. Elevations are either based on a local datum of 100 feet, or a United States Geological Survey (USGS) elevation, assigned to a mark on a reference point located at the site. Ground elevation is surveyed to the nearest 0.1 foot, and the top of the well casing to the nearest 0.01 foot.

A horizontal grid system is established at the site with the origin of the grid set on the reference point. Wells and borings are located with respect to this grid system.

To properly develop each permanent monitoring well, water is removed until a consistent water quality is obtained. This is done by removing 10 times the water volume in the well and filter pack, removing water until it is free of sediment, or removing the water until the well is purged dry. Water is removed from the wells by bailing the water with as little agitation as possible. If the water level is unaffected by bailing and large amounts of water are to be removed, the well is developed by using the surge and purge method with a centrifugal pump. No water is added to the well during development. Temporary wells may be developed by allowing the peristaltic pump to run until the water is as clear as possible.

The development water is drummed, pending the results of analytical testing. If the well is suspected to be clean and small volumes of water are to be removed, the water may be spread on pavement to volatilize any possible contaminants. If the water is contaminated, it is properly disposed.

GROUNDWATER SAMPLING PROCEDURES AND VOLATILE ORGANIC COMPOUND (VOC) SAMPLING NOTES

A. Devices used to measure water elevation, purge wells and retrieve samples:

1. Groundwater levels are measured with a fiberglass reel tape with a weighted stainless steel "sounder" at the end.

2. In wells that have free product on top of the water surface, depth to water and depth to product are measured with a fiberglass reel tape with an interface probe at the end.

3. Wells are purged and samples are collected by one of the following methods:

   a) Wells are purged with a disposable bailer.

   b) Alternate purging and sampling equipment consisting of a peristaltic groundwater sampling pump.

B. Procedures for calculating purge volumes, purging wells and sampling:

1. Wells are normally sampled starting from the upgradient area and progressing toward the downgradient area of the site. When the degree of contamination is known, least contaminated wells are sampled first, the more contaminated wells sampled last.

2. All the wells are opened before the depth to groundwater is determined to allow groundwater to equilibrate.

3. Wells are purged with a bailer by removing four water volumes within a casing or all the water until the well runs dry. When using a peristaltic pump, water is removed for 10 to 20 minutes.

4. Once all the wells have been purged, the samples are drawn using equipment mentioned above. (See Table 3 - Water Sample Preparation Guide)

5. Sample odor, turbidity, temperature, conductivity, dissolved oxygen (DO) and pH are determined on the unfiltered portions of the sample and recorded on the well specific field sheet.

6. When the sample requires filtering, the sample is filtered with a hand pump or an in-line pump (as soon after collection as possible).

7. Quality Assurance/Quality Control Samples

   a) Trip and field blanks each consist of three new 40 milliliter (ml) vials filled with deionized water. These are sent to the laboratory for petroleum volatile organic compound (PVOC) or VOC analysis.

b) One field blank should be analyzed for every 10 samples collected. At least one trip blank is taken per site visit. Trip blanks are poured, labeled, and sealed, then taken out in the field. Field blanks are poured, labeled, and sealed at the site. Trip blanks are kept with all samples collected until reaching the field. If there is a possibility for field cross-contamination of samples, field blanks may be taken at the sample collector's discretion.

c) One temperature blank may be collected per batch of samples.

d) One duplicate sample may be collected with every 10 samples.

8. Samples are refrigerated, then transported to a WDNR-certified laboratory for testing as soon as possible.

9. A chain-of-custody form is filled out, listing all samples collected, requested laboratory analysis, date and time of collection, and the name of the sample collector. This document remains with the samples at all times and bears the names of all persons handling the samples until they are received at the laboratory.

C. Procedures for cleaning equipment:

1. In the field, sampling equipment is rinsed with a 10% methanol solution and then flushed three times with deionized water between each well sampled.

2. Equipment that is still contaminated after field cleaning will be rinsed with tap water, washed off with detergent, rinsed with a 10% methanol solution, and flushed three times with deionized water.

D. Transporting samples to laboratory:

1. Filtered, preserved, labeled, and sealed samples are placed on ice and transported to the laboratory for analysis as soon as possible.

2. The laboratory will be notified by the sample collector when courier service is required.

E. The above procedures constitute normal groundwater sampling procedures for permanent groundwater monitoring wells. Modifications to each of the outlined items may be applicable for site specific conditions or special volatile organic sampling considerations. Methods used are consistent with WDNR's Groundwater Sampling Field Manual, Publ. DG-038 96, September 1996 and WDNR's Groundwater Sampling Desk Reference, Publ. DG-037 96, September 1996.

DECONTAMINATION PROCEDURES

Decontamination is the process of removing and/or neutralizing contaminants that may have accumulated on personnel protective equipment (PPE) and equipment. Proper decontamination is a critical element in the control of hazards which helps ensure the health and safety of workers. Proper decontamination also contains the contamination to the site, thus preventing further environmental problems.

Drilling

The following decontamination procedures should be used when completing borings, installing monitoring wells, and/or installing remediation systems.

A. Between samples, the split spoon will be cleaned in a multiple rinse, surfactant solution (soap and water or Alconox solution.)

B. The sample will be collected while wearing new latex exam gloves.

C. The surface upon which the sample is collected is cleaned between samples.

D. The latex exam gloves are changed between samples.

E. Soil which has accumulated around the boring will either be stockpiled or drummed. If the soil is stockpiled, it will be placed on and covered with plastic. The stockpiled or drummed soil will later be disposed in compliance with the WDNR regulations.

F. Upon completion of the boring, the augers will be decontaminated by drilling contractors before they are used again. The following procedures will be followed when decontaminating drilling equipment:

1. A decontamination basin lined with plastic is set up near the work area.

2. All contaminated equipment is placed in the decontamination basin.

3. A pressurized steam cleaner is used to clean all contaminated equipment.

4. Following steam cleaning, the auger is removed from the decontamination basin.

5. Upon completion of the job, the accumulated water in the decontamination basin is pumped out and placed in a drum. Wash water used for cleaning the split spoons is also added to the drum. The drum will be disposed in compliance with all regulatory agencies. The plastic used in the decontamination basin is disposed in compliance with all regulatory agencies.

TABLE 1 – SOIL SAMPLE PREPARATION GUIDE*

TEST	CONTAINER SIZE**	SAMPLE SIZE	PRESERVATIVE	HOLDING TIME
GRO Gasoline Range Organics	2 oz. wide mouth glass jar or 40 ml vial (2 per sample)	25 g – jar 13 g – vial	25 ml Methanol (purge & trap grade) – jar none required – vial	4 days
DRO Diesel Range Organics	2 oz. wide mouth glass jar or 40 ml vial (2 per sample)	25 g – jar 13 g – vial	None	4 days
Total Lead/ or all RCRA Metals	4 oz. wide mouth plastic jar (2 per sample)	4 oz.	None	6 months
VOC / PVOC Volatile Organic Compounds	2 oz. wide mouth glass jar or 40 ml vial (2 per sample)	25 g – jar 13 g – vial	25 ml Methanol (purge & trap grade) – jar none required – vial	4 days preserved , 48 hours non-preserved
PCB Polychlorinated Biphenyls	4 oz. wide mouth glass jar (2 per sample)	4 oz.	None	14 days
PAH Polynuclear Aromatic Hydrocarbons	4 oz. wide mouth glass jar (2 per sample)	4 oz.	None	14 days

* All samples will be sealed, labeled, and placed on ice immediately after collection.

** To ensure a proper seal between the sample container and the cap, no soil shall remain on the jar or cap threads. When samples are collected with the syringe, a 40 ml vial is used and the sample is preserved by the laboratory.

TABLE 2 – SOIL SAMPLE ANALYSIS GUIDE FOR PETROLEUM CONTAMINATION

PETROLEUM SUBSTANCE	CLOSURE ASSESSMENT	SOLID WASTE PRO./LANDFILLS	SITE INVESTIGATIONS
Gasoline Aviation Fuel	GRO	Free Liquids GRO Benzene Haz. Waste Det.	GRO PVOC/VOC Pb
Diesel Jet Fuel No.'s 1, 2, 4 Fuel Oil	DRO	Free Liquids GRO Benzene Haz. Waste Det.	DRO PVOC PAH
Crude Oil Lubricat. Oil No. 6 Fuel Oil	DRO	Free Liquids DRO Haz. Waste Det.	DRO PAH
Unknown Petroleum	GRO and DRO	Free Liquids GRO and DRO Pb, Cd, CN, S Haz Waste Det.	GRO and DRO VOC/PVOC PAH Pb, Cd
Waste Oil	DRO	Free Liquids DRO VOC Pb, Cd, CN, S Haz. Waste Det.	DRO VOC/PVOC PAH PCB Pb, Cd

TABLE 3 – GROUNDWATER SAMPLE PREPARATION GUIDE*

TEST	SAMPLE SIZE / CONTAINER	PRESERVATIVE	HOLDING TIME
VOC / PVOC Volatile Organic Compounds	3 - 40 ml vials filled with no headspace	0.5 ml of 1:1 HC1	14 days
DRO Diesel Range Organics	1 - 1 liter amber glass bottles	5 ml of 1:1 HC1	7 days
GRO Gasoline Range Organics	3 - 40 ml vials filled with no headspace	0.5 ml of 1:1 HC1	14 days
PAH Polynuclear Aromatic Hydrocarbons	1 - 1 liter amber glass bottles	None	7 days
PCB Polychlorinated Biphenyls	1 - 1 liter amber glass bottle	None	7 days
LEAD / RCRA metals **	1 - 250 ml plastic bottle	2 ml of HNO_3 or to a pH of <2	6 months

* All samples will be sealed, labeled, and placed on ice immediately after collection.
** When testing for dissolved metals, the sample will be field filtered before preservation.

APPENDIX 4

Laboratory Analysis Results and Chain of Custody Documentation

Project Name WIS AVE. RICHMOND TO BALLARD **Invoice #** E15669
Project # E1715B07

Lab Code 5015669D
Sample ID B4-1
Sample Matrix Soil
Sample Date 7/10/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
1,4-Dichlorobenzene	< 25	ug/kg	15	47	1	8260B	7/17/2007	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	15	48	1	8260B	7/17/2007	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	18	57	1	8260B	7/17/2007	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	20	62	1	8260B	7/17/2007	CJR	1
1,2-Dichloroethane	< 25	ug/kg	19	60	1	8260B	7/17/2007	CJR	1
1,1-Dichloroethane	< 25	ug/kg	20	62	1	8260B	7/17/2007	CJR	1
1,1-Dichloroethene	< 25	ug/kg	24	76	1	8260B	7/17/2007	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	19	60	1	8260B	7/17/2007	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	20	62	1	8260B	7/17/2007	CJR	1
1,2-Dichloropropane	< 25	ug/kg	23	73	1	8260B	7/17/2007	CJR	1
2,2-Dichloropropane	< 25	ug/kg	21	66	1	8260B	7/17/2007	CJR	1
1,3-Dichloropropane	< 25	ug/kg	23	73	1	8260B	7/17/2007	CJR	1
Di-isopropyl ether	< 25	ug/kg	18	58	1	8260B	7/17/2007	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	22	69	1	8260B	7/17/2007	CJR	1
Ethylbenzene	< 25	ug/kg	17	54	1	8260B	7/17/2007	CJR	1
Hexachlorobutadiene	< 25	ug/kg	23	74	1	8260B	7/17/2007	CJR	1
Isopropylbenzene	< 25	ug/kg	17	53	1	8260B	7/17/2007	CJR	1
p-Isopropyltoluene	< 25	ug/kg	14	44	1	8260B	7/17/2007	CJR	1
Methylene chloride	< 25	ug/kg	19	60	1	8260B	7/17/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	15	47	1	8260B	7/17/2007	CJR	1
Naphthalene	< 25	ug/kg	20	65	1	8260B	7/17/2007	CJR	1
n-Propylbenzene	< 25	ug/kg	13	43	1	8260B	7/17/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	21	68	1	8260B	7/17/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	23	72	1	8260B	7/17/2007	CJR	1
Tetrachloroethene	< 25	ug/kg	21	67	1	8260B	7/17/2007	CJR	1
Toluene	< 25	ug/kg	21	68	1	8260B	7/17/2007	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	25	78	1	8260B	7/17/2007	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	24	76	1	8260B	7/17/2007	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	23	73	1	8260B	7/17/2007	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	24	78	1	8260B	7/17/2007	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	17	54	1	8260B	7/17/2007	CJR	1
Trichlorofluoromethane	< 25	ug/kg	25	81	1	8260B	7/17/2007	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	20	63	1	8260B	7/17/2007	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	16	52	1	8260B	7/17/2007	CJR	1
Vinyl Chloride	< 25	ug/kg	19	62	1	8260B	7/17/2007	CJR	1
m&p-Xylene	< 50	ug/kg	40	129	1	8260B	7/17/2007	CJR	1
o-Xylene	< 25	ug/kg	23	72	1	8260B	7/17/2007	CJR	1

Lab Code 5015669E
Sample ID B5-3
Sample Matrix Soil
Sample Date 7/10/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
General									
General									
Solids Percent	89.6	%			1	5021	7/13/2007	DJB	1
Organic									
VOC's									
Benzene	< 25	ug/kg	20	65	1	8260B	7/17/2007	CJR	1
Bromobenzene	< 25	ug/kg	14	44	1	8260B	7/17/2007	CJR	1
Bromodichloromethane	< 25	ug/kg	24	76	1	8260B	7/17/2007	CJR	1

Project Name WIS AVE. RICHMOND TO BALLARD **Invoice #** E15669
Project # E1715B07

Lab Code 5015669E
Sample ID B5-3
Sample Matrix Soil
Sample Date 7/10/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
Bromoform	< 25	ug/kg	10	33	1	8260B	7/17/2007	CJR	1
tert-Butylbenzene	< 25	ug/kg	14	46	1	8260B	7/17/2007	CJR	1
sec-Butylbenzene	< 25	ug/kg	17	55	1	8260B	7/17/2007	CJR	1
n-Butylbenzene	< 25	ug/kg	16	50	1	8260B	7/17/2007	CJR	1
Carbon Tetrachloride	< 25	ug/kg	23	72	1	8260B	7/17/2007	CJR	1
Chlorobenzene	< 25	ug/kg	21	68	1	8260B	7/17/2007	CJR	1
Chloroethane	< 25	ug/kg	19	60	1	8260B	7/17/2007	CJR	1
Chloroform	< 25	ug/kg	20	63	1	8260B	7/17/2007	CJR	1
Chloromethane	< 25	ug/kg	17	54	1	8260B	7/17/2007	CJR	1
2-Chlorotoluene	< 25	ug/kg	18	58	1	8260B	7/17/2007	CJR	1
4-Chlorotoluene	< 25	ug/kg	16	51	1	8260B	7/17/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	23	72	1	8260B	7/17/2007	CJR	1
Dibromochloromethane	< 25	ug/kg	23	74	1	8260B	7/17/2007	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	15	47	1	8260B	7/17/2007	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	15	48	1	8260B	7/17/2007	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	18	57	1	8260B	7/17/2007	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	20	62	1	8260B	7/17/2007	CJR	1
1,2-Dichloroethane	< 25	ug/kg	19	60	1	8260B	7/17/2007	CJR	1
1,1-Dichloroethane	< 25	ug/kg	20	62	1	8260B	7/17/2007	CJR	1
1,1-Dichloroethene	< 25	ug/kg	24	76	1	8260B	7/17/2007	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	19	60	1	8260B	7/17/2007	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	20	62	1	8260B	7/17/2007	CJR	1
1,2-Dichloropropane	< 25	ug/kg	23	73	1	8260B	7/17/2007	CJR	1
2,2-Dichloropropane	< 25	ug/kg	21	66	1	8260B	7/17/2007	CJR	1
1,3-Dichloropropane	< 25	ug/kg	23	73	1	8260B	7/17/2007	CJR	1
Di-isopropyl ether	< 25	ug/kg	18	58	1	8260B	7/17/2007	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	22	69	1	8260B	7/17/2007	CJR	1
Ethylbenzene	< 25	ug/kg	17	54	1	8260B	7/17/2007	CJR	1
Hexachlorobutadiene	< 25	ug/kg	23	74	1	8260B	7/17/2007	CJR	1
Isopropylbenzene	< 25	ug/kg	17	53	1	8260B	7/17/2007	CJR	1
p-Isopropyltoluene	< 25	ug/kg	14	44	1	8260B	7/17/2007	CJR	1
Methylene chloride	< 25	ug/kg	19	60	1	8260B	7/17/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	15	47	1	8260B	7/17/2007	CJR	1
Naphthalene	< 25	ug/kg	20	65	1	8260B	7/17/2007	CJR	1
n-Propylbenzene	< 25	ug/kg	13	43	1	8260B	7/17/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	21	68	1	8260B	7/17/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	23	72	1	8260B	7/17/2007	CJR	1
Tetrachloroethene	< 25	ug/kg	21	67	1	8260B	7/17/2007	CJR	1
Toluene	< 25	ug/kg	21	68	1	8260B	7/17/2007	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	25	78	1	8260B	7/17/2007	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	24	76	1	8260B	7/17/2007	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	23	73	1	8260B	7/17/2007	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	24	78	1	8260B	7/17/2007	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	17	54	1	8260B	7/17/2007	CJR	1
Trichlorofluoromethane	< 25	ug/kg	25	81	1	8260B	7/17/2007	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	20	63	1	8260B	7/17/2007	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	16	52	1	8260B	7/17/2007	CJR	1
Vinyl Chloride	< 25	ug/kg	19	62	1	8260B	7/17/2007	CJR	1
m&p-Xylene	< 50	ug/kg	40	129	1	8260B	7/17/2007	CJR	1
o-Xylene	< 25	ug/kg	23	72	1	8260B	7/17/2007	CJR	1

Project Name WIS AVE. RICHMOND TO BALLARD **Invoice #** E15669
Project # E1715B07

Lab Code 5015669F
Sample ID B6-4
Sample Matrix Soil
Sample Date 7/10/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
General									
General									
Solids Percent	85.9	%			1	5021	7/13/2007	DJB	1
Organic									
VOC's									
Benzene	< 25	ug/kg	20	65	1	8260B	7/17/2007	CJR	1
Bromobenzene	< 25	ug/kg	14	44	1	8260B	7/17/2007	CJR	1
Bromodichloromethane	< 25	ug/kg	24	76	1	8260B	7/17/2007	CJR	1
Bromoform	< 25	ug/kg	10	33	1	8260B	7/17/2007	CJR	1
tert-Butylbenzene	< 25	ug/kg	14	46	1	8260B	7/17/2007	CJR	1
sec-Butylbenzene	< 25	ug/kg	17	55	1	8260B	7/17/2007	CJR	1
n-Butylbenzene	< 25	ug/kg	16	50	1	8260B	7/17/2007	CJR	1
Carbon Tetrachloride	< 25	ug/kg	23	72	1	8260B	7/17/2007	CJR	1
Chlorobenzene	< 25	ug/kg	21	68	1	8260B	7/17/2007	CJR	1
Chloroethane	< 25	ug/kg	19	60	1	8260B	7/17/2007	CJR	1
Chloroform	< 25	ug/kg	20	63	1	8260B	7/17/2007	CJR	1
Chloromethane	< 25	ug/kg	17	54	1	8260B	7/17/2007	CJR	1
2-Chlorotoluene	< 25	ug/kg	18	58	1	8260B	7/17/2007	CJR	1
4-Chlorotoluene	< 25	ug/kg	16	51	1	8260B	7/17/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	23	72	1	8260B	7/17/2007	CJR	1
Dibromochloromethane	< 25	ug/kg	23	74	1	8260B	7/17/2007	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	15	47	1	8260B	7/17/2007	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	15	48	1	8260B	7/17/2007	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	18	57	1	8260B	7/17/2007	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	20	62	1	8260B	7/17/2007	CJR	1
1,2-Dichloroethane	< 25	ug/kg	19	60	1	8260B	7/17/2007	CJR	1
1,1-Dichloroethane	< 25	ug/kg	20	62	1	8260B	7/17/2007	CJR	1
1,1-Dichloroethene	< 25	ug/kg	24	76	1	8260B	7/17/2007	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	19	60	1	8260B	7/17/2007	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	20	62	1	8260B	7/17/2007	CJR	1
1,2-Dichloropropane	< 25	ug/kg	23	73	1	8260B	7/17/2007	CJR	1
2,2-Dichloropropane	< 25	ug/kg	21	66	1	8260B	7/17/2007	CJR	1
1,3-Dichloropropane	< 25	ug/kg	23	73	1	8260B	7/17/2007	CJR	1
Di-isopropyl ether	< 25	ug/kg	18	58	1	8260B	7/17/2007	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	22	69	1	8260B	7/17/2007	CJR	1
Ethylbenzene	< 25	ug/kg	17	54	1	8260B	7/17/2007	CJR	1
Hexachlorobutadiene	< 25	ug/kg	23	74	1	8260B	7/17/2007	CJR	1
Isopropylbenzene	< 25	ug/kg	17	53	1	8260B	7/17/2007	CJR	1
p-Isopropyltoluene	< 25	ug/kg	14	44	1	8260B	7/17/2007	CJR	1
Methylene chloride	< 25	ug/kg	19	60	1	8260B	7/17/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	15	47	1	8260B	7/17/2007	CJR	1
Naphthalene	< 25	ug/kg	20	65	1	8260B	7/17/2007	CJR	1
n-Propylbenzene	< 25	ug/kg	13	43	1	8260B	7/17/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	21	68	1	8260B	7/17/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	23	72	1	8260B	7/17/2007	CJR	1
Tetrachloroethene	< 25	ug/kg	21	67	1	8260B	7/17/2007	CJR	1
Toluene	< 25	ug/kg	21	68	1	8260B	7/17/2007	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	25	78	1	8260B	7/17/2007	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	24	76	1	8260B	7/17/2007	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	23	73	1	8260B	7/17/2007	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	24	78	1	8260B	7/17/2007	CJR	1

Project Name WIS AVE. RICHMOND TO BALLARD **Invoice #** E15669
Project # E1715B07

Lab Code 5015669F
Sample ID B6-4
Sample Matrix Soil
Sample Date 7/10/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
Trichloroethene (TCE)	< 25	ug/kg	17	54	1	8260B	7/17/2007	CJR	1
Trichlorofluoromethane	< 25	ug/kg	25	81	1	8260B	7/17/2007	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	20	63	1	8260B	7/17/2007	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	16	52	1	8260B	7/17/2007	CJR	1
Vinyl Chloride	< 25	ug/kg	19	62	1	8260B	7/17/2007	CJR	1
m&p-Xylene	< 50	ug/kg	40	129	1	8260B	7/17/2007	CJR	1
o-Xylene	< 25	ug/kg	23	72	1	8260B	7/17/2007	CJR	1

Lab Code 5015669G
Sample ID B7-3
Sample Matrix Soil
Sample Date 7/10/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
General									
General									
Solids Percent	87.0	%			1	5021	7/13/2007	DJB	1
Organic									
General									
Diesel Range Organics	< 10	mg/kg	0.62	2	1	DRO95	7/13/2007	MJR	1
GRO/PVOC + Naphthalene									
Gasoline Range Organics	< 10000	ug/kg	1700	5400	1	GRO95/8021	7/18/2007	CJR	1
Benzene	< 25	ug/kg	25	79	1	GRO95/8021	7/18/2007	CJR	1
Ethylbenzene	< 25	ug/kg	21	67	1	GRO95/8021	7/18/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	14	43	1	GRO95/8021	7/18/2007	CJR	1
Naphthalene	< 25	ug/kg	18	56	1	GRO95/8021	7/18/2007	CJR	1
Toluene	< 25	ug/kg	22	71	1	GRO95/8021	7/18/2007	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	23	72	1	GRO95/8021	7/18/2007	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	16	52	1	GRO95/8021	7/18/2007	CJR	1
m&p-Xylene	< 50	ug/kg	17	53	1	GRO95/8021	7/18/2007	CJR	1
o-Xylene	< 25	ug/kg	16	50	1	GRO95/8021	7/18/2007	CJR	1

Lab Code 5015669H
Sample ID B8-3
Sample Matrix Soil
Sample Date 7/10/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
General									
General									
Solids Percent	90.7	%			1	5021	7/13/2007	DJB	1
Organic									
General									
Diesel Range Organics	< 10	mg/kg	0.62	2	1	DRO95	7/13/2007	MJR	1
GRO/PVOC + Naphthalene									
Gasoline Range Organics	< 10000	ug/kg	1700	5400	1	GRO95/8021	7/18/2007	CJR	1
Benzene	< 25	ug/kg	25	79	1	GRO95/8021	7/18/2007	CJR	1
Ethylbenzene	< 25	ug/kg	21	67	1	GRO95/8021	7/18/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	14	43	1	GRO95/8021	7/18/2007	CJR	1
Naphthalene	< 25	ug/kg	18	56	1	GRO95/8021	7/18/2007	CJR	1
Toluene	< 25	ug/kg	22	71	1	GRO95/8021	7/18/2007	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	23	72	1	GRO95/8021	7/18/2007	CJR	1

Project Name WIS AVE. RICHMOND TO BALLARD **Invoice #** E15669
Project # E1715B07

Lab Code 515669KK
Sample ID TW4
Sample Matrix Water
Sample Date 7/11/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
Toluene	56	ug/l	0.46	1.5	1	8260B	7/18/2007	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B	7/18/2007	CJR	1
1,2,3-Trichlorobenzene	< 1.6	ug/l	1.6	5	1	8260B	7/18/2007	CJR	1
1,1,1-Trichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B	7/18/2007	CJR	1
1,1,2-Trichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B	7/18/2007	CJR	1
Trichloroethene (TCE)	< 0.44	ug/l	0.44	1.4	1	8260B	7/18/2007	CJR	1
Trichlorofluoromethane	< 0.61	ug/l	0.61	1.9	1	8260B	7/18/2007	CJR	1
1,2,4-Trimethylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B	7/18/2007	CJR	1
1,3,5-Trimethylbenzene	< 0.37	ug/l	0.37	1.2	1	8260B	7/18/2007	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.63	1	8260B	7/18/2007	CJR	1
m&p-Xylene	3.7	ug/l	0.67	2.1	1	8260B	7/18/2007	CJR	1
o-Xylene	1.35	ug/l	0.32	1	1	8260B	7/18/2007	CJR	1

Lab Code 515669LL
Sample ID TW5
Sample Matrix Water
Sample Date 7/11/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
Organic									
VOC's									
Benzene	< 0.47	ug/l	0.47	1.5	1	8260B	7/20/2007	CJR	1
Bromobenzene	< 0.36	ug/l	0.36	1.1	1	8260B	7/20/2007	CJR	1
Bromodichloromethane	< 0.5	ug/l	0.5	1.6	1	8260B	7/20/2007	CJR	1
Bromoform	< 0.38	ug/l	0.38	1.2	1	8260B	7/20/2007	CJR	1
tert-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260B	7/20/2007	CJR	1
sec-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B	7/20/2007	CJR	1
n-Butylbenzene	< 0.52	ug/l	0.52	1.6	1	8260B	7/20/2007	CJR	1
Carbon Tetrachloride	< 0.46	ug/l	0.46	1.5	1	8260B	7/20/2007	CJR	1
Chlorobenzene	< 0.31	ug/l	0.31	1	1	8260B	7/20/2007	CJR	1
Chloroethane	< 0.47	ug/l	0.47	1.5	1	8260B	7/20/2007	CJR	1
Chloroform	< 0.48	ug/l	0.48	1.5	1	8260B	7/20/2007	CJR	1
Chloromethane	< 1	ug/l	1	3.3	1	8260B	7/20/2007	CJR	2
2-Chlorotoluene	< 0.49	ug/l	0.49	1.6	1	8260B	7/20/2007	CJR	1
4-Chlorotoluene	< 0.38	ug/l	0.38	1.2	1	8260B	7/20/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B	7/20/2007	CJR	1
Dibromochloromethane	< 0.32	ug/l	0.32	1	1	8260B	7/20/2007	CJR	1
1,4-Dichlorobenzene	< 0.33	ug/l	0.33	1.1	1	8260B	7/20/2007	CJR	1
1,3-Dichlorobenzene	< 0.3	ug/l	0.3	0.95	1	8260B	7/20/2007	CJR	1
1,2-Dichlorobenzene	< 0.35	ug/l	0.35	1.1	1	8260B	7/20/2007	CJR	1
Dichlorodifluoromethane	< 0.46	ug/l	0.46	1.5	1	8260B	7/20/2007	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.4	1	8260B	7/20/2007	CJR	3 4
1,1-Dichloroethane	< 0.56	ug/l	0.56	1.8	1	8260B	7/20/2007	CJR	1
1,1-Dichloroethene	< 0.64	ug/l	0.64	2	1	8260B	7/20/2007	CJR	1
cis-1,2-Dichloroethene	< 0.68	ug/l	0.68	2.2	1	8260B	7/20/2007	CJR	1
trans-1,2-Dichloroethene	< 0.95	ug/l	0.95	3	1	8260B	7/20/2007	CJR	1
1,2-Dichloropropane	< 0.47	ug/l	0.47	1.5	1	8260B	7/20/2007	CJR	1
2,2-Dichloropropane	< 0.98	ug/l	0.98	3.1	1	8260B	7/20/2007	CJR	1
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.3	1	8260B	7/20/2007	CJR	1
Di-isopropyl ether	< 1.3	ug/l	1.3	4.1	1	8260B	7/20/2007	CJR	1
EDB (1,2-Dibromoethane)	< 0.49	ug/l	0.49	1.5	1	8260B	7/20/2007	CJR	1
Ethylbenzene	< 0.38	ug/l	0.38	1.2	1	8260B	7/20/2007	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.9	1	8260B	7/20/2007	CJR	3

Project Name WIS AVE. RICHMOND TO BALLARD **Invoice #** E15669
Project # E1715B07

Lab Code 515669LL
Sample ID TW5
Sample Matrix Water
Sample Date 7/11/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
Isopropylbenzene	< 0.48	ug/l	0.48	1.5	1	8260B	7/20/2007	CJR	1
p-Isopropyltoluene	< 0.35	ug/l	0.35	1.1	1	8260B	7/20/2007	CJR	1
Methylene chloride	< 0.69	ug/l	0.69	2.2	1	8260B	7/20/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.52	ug/l	0.52	1.6	1	8260B	7/20/2007	CJR	1
Naphthalene	< 1.8	ug/l	1.8	5.6	1	8260B	7/20/2007	CJR	1
n-Propylbenzene	< 0.38	ug/l	0.38	1.2	1	8260B	7/20/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 0.75	ug/l	0.75	2.4	1	8260B	7/20/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 0.65	ug/l	0.65	2.1	1	8260B	7/20/2007	CJR	1
Tetrachloroethene	< 0.52	ug/l	0.52	1.6	1	8260B	7/20/2007	CJR	1
Toluene	< 0.46	ug/l	0.46	1.5	1	8260B	7/20/2007	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B	7/20/2007	CJR	1
1,2,3-Trichlorobenzene	< 1.6	ug/l	1.6	5	1	8260B	7/20/2007	CJR	1
1,1,1-Trichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B	7/20/2007	CJR	1
1,1,2-Trichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B	7/20/2007	CJR	1
Trichloroethene (TCE)	< 0.44	ug/l	0.44	1.4	1	8260B	7/20/2007	CJR	1
Trichlorofluoromethane	< 0.61	ug/l	0.61	1.9	1	8260B	7/20/2007	CJR	1
1,2,4-Trimethylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B	7/20/2007	CJR	1
1,3,5-Trimethylbenzene	< 0.37	ug/l	0.37	1.2	1	8260B	7/20/2007	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.63	1	8260B	7/20/2007	CJR	1
m&p-Xylene	< 0.67	ug/l	0.67	2.1	1	8260B	7/20/2007	CJR	1
o-Xylene	< 0.32	ug/l	0.32	1	1	8260B	7/20/2007	CJR	1

Lab Code 515669MM
Sample ID TW6
Sample Matrix Water
Sample Date 7/11/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
Organic									
VOC's									
Benzene	< 0.47	ug/l	0.47	1.5	1	8260B	7/18/2007	CJR	1
Bromobenzene	< 0.36	ug/l	0.36	1.1	1	8260B	7/18/2007	CJR	1
Bromodichloromethane	< 0.5	ug/l	0.5	1.6	1	8260B	7/18/2007	CJR	1
Bromoform	< 0.38	ug/l	0.38	1.2	1	8260B	7/18/2007	CJR	1
tert-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260B	7/18/2007	CJR	1
sec-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B	7/18/2007	CJR	1
n-Butylbenzene	< 0.52	ug/l	0.52	1.6	1	8260B	7/18/2007	CJR	1
Carbon Tetrachloride	< 0.46	ug/l	0.46	1.5	1	8260B	7/18/2007	CJR	1
Chlorobenzene	< 0.31	ug/l	0.31	1	1	8260B	7/18/2007	CJR	1
Chloroethane	< 0.47	ug/l	0.47	1.5	1	8260B	7/18/2007	CJR	1
Chloroform	< 0.48	ug/l	0.48	1.5	1	8260B	7/18/2007	CJR	1
Chloromethane	< 1	ug/l	1	3.3	1	8260B	7/18/2007	CJR	1
2-Chlorotoluene	< 0.49	ug/l	0.49	1.6	1	8260B	7/18/2007	CJR	1
4-Chlorotoluene	< 0.38	ug/l	0.38	1.2	1	8260B	7/18/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B	7/18/2007	CJR	1
Dibromochloromethane	< 0.32	ug/l	0.32	1	1	8260B	7/18/2007	CJR	1
1,4-Dichlorobenzene	< 0.33	ug/l	0.33	1.1	1	8260B	7/18/2007	CJR	1
1,3-Dichlorobenzene	< 0.3	ug/l	0.3	0.95	1	8260B	7/18/2007	CJR	1
1,2-Dichlorobenzene	< 0.35	ug/l	0.35	1.1	1	8260B	7/18/2007	CJR	1
Dichlorodifluoromethane	< 0.46	ug/l	0.46	1.5	1	8260B	7/18/2007	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.4	1	8260B	7/18/2007	CJR	1
1,1-Dichloroethane	< 0.56	ug/l	0.56	1.8	1	8260B	7/18/2007	CJR	1
1,1-Dichloroethene	< 0.64	ug/l	0.64	2	1	8260B	7/18/2007	CJR	1

Project Name WIS AVE. RICHMOND TO BALLARD **Invoice #** E15669
Project # E1715B07

Lab Code 515669MM
Sample ID TW6
Sample Matrix Water
Sample Date 7/11/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
cis-1,2-Dichloroethene	< 0.68	ug/l	0.68	2.2	1	8260B	7/18/2007	CJR	1
trans-1,2-Dichloroethene	< 0.95	ug/l	0.95	3	1	8260B	7/18/2007	CJR	1
1,2-Dichloropropane	< 0.47	ug/l	0.47	1.5	1	8260B	7/18/2007	CJR	1
2,2-Dichloropropane	< 0.98	ug/l	0.98	3.1	1	8260B	7/18/2007	CJR	1
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.3	1	8260B	7/18/2007	CJR	1
Di-isopropyl ether	< 1.3	ug/l	1.3	4.1	1	8260B	7/18/2007	CJR	1
EDB (1,2-Dibromoethane)	< 0.49	ug/l	0.49	1.5	1	8260B	7/18/2007	CJR	1
Ethylbenzene	< 0.38	ug/l	0.38	1.2	1	8260B	7/18/2007	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.9	1	8260B	7/18/2007	CJR	1
Isopropylbenzene	< 0.48	ug/l	0.48	1.5	1	8260B	7/18/2007	CJR	1
p-Isopropyltoluene	< 0.35	ug/l	0.35	1.1	1	8260B	7/18/2007	CJR	1
Methylene chloride	< 0.69	ug/l	0.69	2.2	1	8260B	7/18/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.52	ug/l	0.52	1.6	1	8260B	7/18/2007	CJR	1
Naphthalene	< 1.8	ug/l	1.8	5.6	1	8260B	7/18/2007	CJR	1
n-Propylbenzene	< 0.38	ug/l	0.38	1.2	1	8260B	7/18/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 0.75	ug/l	0.75	2.4	1	8260B	7/18/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 0.65	ug/l	0.65	2.1	1	8260B	7/18/2007	CJR	1
Tetrachloroethene	< 0.52	ug/l	0.52	1.6	1	8260B	7/18/2007	CJR	1
Toluene	1.14 "J"	ug/l	0.46	1.5	1	8260B	7/18/2007	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B	7/18/2007	CJR	1
1,2,3-Trichlorobenzene	< 1.6	ug/l	1.6	5	1	8260B	7/18/2007	CJR	1
1,1,1-Trichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B	7/18/2007	CJR	1
1,1,2-Trichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B	7/18/2007	CJR	1
Trichloroethene (TCE)	< 0.44	ug/l	0.44	1.4	1	8260B	7/18/2007	CJR	1
Trichlorofluoromethane	< 0.61	ug/l	0.61	1.9	1	8260B	7/18/2007	CJR	1
1,2,4-Trimethylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B	7/18/2007	CJR	1
1,3,5-Trimethylbenzene	< 0.37	ug/l	0.37	1.2	1	8260B	7/18/2007	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.63	1	8260B	7/18/2007	CJR	1
m&p-Xylene	< 0.67	ug/l	0.67	2.1	1	8260B	7/18/2007	CJR	1
o-Xylene	< 0.32	ug/l	0.32	1	1	8260B	7/18/2007	CJR	1

Lab Code 515669NN
Sample ID TW7
Sample Matrix Water
Sample Date 7/11/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
Organic									
PVOC + Naphthalene									
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021	7/23/2007	CJR	1
Ethylbenzene	< 0.44	ug/l	0.44	1.39	1	GRO95/8021	7/23/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.53	ug/l	0.53	1.7	1	GRO95/8021	7/23/2007	CJR	1
Naphthalene	< 0.53	ug/l	0.53	1.7	1	GRO95/8021	7/23/2007	CJR	1
Toluene	0.35 "J"	ug/l	0.26	0.83	1	GRO95/8021	7/23/2007	CJR	1
1,2,4-Trimethylbenzene	< 0.45	ug/l	0.45	1.43	1	GRO95/8021	7/23/2007	CJR	3 64
1,3,5-Trimethylbenzene	< 0.22	ug/l	0.22	0.7	1	GRO95/8021	7/23/2007	CJR	1
m&p-Xylene	< 0.68	ug/l	0.68	2.18	1	GRO95/8021	7/23/2007	CJR	2 3 64
o-Xylene	< 0.53	ug/l	0.53	1.68	1	GRO95/8021	7/23/2007	CJR	3 64

Project Name WIS AVE. RICHMOND TO BALLARD **Invoice #** E15669
Project # E1715B07

Lab Code 515669FF
Sample ID B32-1
Sample Matrix Soil
Sample Date 7/11/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
m&p-Xylene	< 50	ug/kg	40	129	1	8260B	7/18/2007	CJR	1
o-Xylene	< 25	ug/kg	23	72	1	8260B	7/18/2007	CJR	1

Lab Code 515669GG
Sample ID TRIP
Sample Matrix Water
Sample Date 7/11/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
Organic									
VOC's									
Benzene	< 0.47	ug/l	0.47	1.5	1	8260B	7/18/2007	CJR	1
Bromobenzene	< 0.36	ug/l	0.36	1.1	1	8260B	7/18/2007	CJR	1
Bromodichloromethane	< 0.5	ug/l	0.5	1.6	1	8260B	7/18/2007	CJR	1
Bromoform	< 0.38	ug/l	0.38	1.2	1	8260B	7/18/2007	CJR	1
tert-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260B	7/18/2007	CJR	1
sec-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B	7/18/2007	CJR	1
n-Butylbenzene	< 0.52	ug/l	0.52	1.6	1	8260B	7/18/2007	CJR	1
Carbon Tetrachloride	< 0.46	ug/l	0.46	1.5	1	8260B	7/18/2007	CJR	1
Chlorobenzene	< 0.31	ug/l	0.31	1	1	8260B	7/18/2007	CJR	1
Chloroethane	< 0.47	ug/l	0.47	1.5	1	8260B	7/18/2007	CJR	1
Chloroform	< 0.48	ug/l	0.48	1.5	1	8260B	7/18/2007	CJR	1
Chloromethane	< 1	ug/l	1	3.3	1	8260B	7/18/2007	CJR	1
2-Chlorotoluene	< 0.49	ug/l	0.49	1.6	1	8260B	7/18/2007	CJR	1
4-Chlorotoluene	< 0.38	ug/l	0.38	1.2	1	8260B	7/18/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B	7/18/2007	CJR	1
Dibromochloromethane	< 0.32	ug/l	0.32	1	1	8260B	7/18/2007	CJR	1
1,4-Dichlorobenzene	< 0.33	ug/l	0.33	1.1	1	8260B	7/18/2007	CJR	1
1,3-Dichlorobenzene	< 0.3	ug/l	0.3	0.95	1	8260B	7/18/2007	CJR	1
1,2-Dichlorobenzene	< 0.35	ug/l	0.35	1.1	1	8260B	7/18/2007	CJR	1
Dichlorodifluoromethane	< 0.46	ug/l	0.46	1.5	1	8260B	7/18/2007	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.4	1	8260B	7/18/2007	CJR	1
1,1-Dichloroethane	< 0.56	ug/l	0.56	1.8	1	8260B	7/18/2007	CJR	1
1,1-Dichloroethene	< 0.64	ug/l	0.64	2	1	8260B	7/18/2007	CJR	1
cis-1,2-Dichloroethene	< 0.68	ug/l	0.68	2.2	1	8260B	7/18/2007	CJR	1
trans-1,2-Dichloroethene	< 0.95	ug/l	0.95	3	1	8260B	7/18/2007	CJR	1
1,2-Dichloropropane	< 0.47	ug/l	0.47	1.5	1	8260B	7/18/2007	CJR	1
2,2-Dichloropropane	< 0.98	ug/l	0.98	3.1	1	8260B	7/18/2007	CJR	1
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.3	1	8260B	7/18/2007	CJR	1
Di-isopropyl ether	< 1.3	ug/l	1.3	4.1	1	8260B	7/18/2007	CJR	1
EDB (1,2-Dibromoethane)	< 0.49	ug/l	0.49	1.5	1	8260B	7/18/2007	CJR	1
Ethylbenzene	< 0.38	ug/l	0.38	1.2	1	8260B	7/18/2007	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.9	1	8260B	7/18/2007	CJR	1
Isopropylbenzene	< 0.48	ug/l	0.48	1.5	1	8260B	7/18/2007	CJR	1
p-Isopropyltoluene	< 0.35	ug/l	0.35	1.1	1	8260B	7/18/2007	CJR	1
Methylene chloride	< 0.69	ug/l	0.69	2.2	1	8260B	7/18/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.52	ug/l	0.52	1.6	1	8260B	7/18/2007	CJR	1
Naphthalene	< 1.8	ug/l	1.8	5.6	1	8260B	7/18/2007	CJR	1
n-Propylbenzene	< 0.38	ug/l	0.38	1.2	1	8260B	7/18/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 0.75	ug/l	0.75	2.4	1	8260B	7/18/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 0.65	ug/l	0.65	2.1	1	8260B	7/18/2007	CJR	1
Tetrachloroethene	< 0.52	ug/l	0.52	1.6	1	8260B	7/18/2007	CJR	1
Toluene	< 0.46	ug/l	0.46	1.5	1	8260B	7/18/2007	CJR	1

Project Name WIS AVE. RICHMOND TO BALLARD **Invoice #** E15669
Project # E1715B07

Lab Code 515669GG
Sample ID TRIP
Sample Matrix Water
Sample Date 7/11/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B	7/18/2007	CJR	1
1,2,3-Trichlorobenzene	< 1.6	ug/l	1.6	5	1	8260B	7/18/2007	CJR	1
1,1,1-Trichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B	7/18/2007	CJR	1
1,1,2-Trichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B	7/18/2007	CJR	1
Trichloroethene (TCE)	< 0.44	ug/l	0.44	1.4	1	8260B	7/18/2007	CJR	1
Trichlorofluoromethane	< 0.61	ug/l	0.61	1.9	1	8260B	7/18/2007	CJR	1
1,2,4-Trimethylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B	7/18/2007	CJR	1
1,3,5-Trimethylbenzene	< 0.37	ug/l	0.37	1.2	1	8260B	7/18/2007	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.63	1	8260B	7/18/2007	CJR	1
m&p-Xylene	< 0.67	ug/l	0.67	2.1	1	8260B	7/18/2007	CJR	1
o-Xylene	< 0.32	ug/l	0.32	1	1	8260B	7/18/2007	CJR	1

Lab Code 515669HH
Sample ID TW1
Sample Matrix Water
Sample Date 7/11/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
Organic									
PVOC + Naphthalene									
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021	7/23/2007	CJR	1
Ethylbenzene	< 0.44	ug/l	0.44	1.39	1	GRO95/8021	7/23/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.53	ug/l	0.53	1.7	1	GRO95/8021	7/23/2007	CJR	1
Naphthalene	< 0.53	ug/l	0.53	1.7	1	GRO95/8021	7/23/2007	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	GRO95/8021	7/23/2007	CJR	1
1,2,4-Trimethylbenzene	< 0.45	ug/l	0.45	1.43	1	GRO95/8021	7/23/2007	CJR	3 64
1,3,5-Trimethylbenzene	< 0.22	ug/l	0.22	0.7	1	GRO95/8021	7/23/2007	CJR	1
m&p-Xylene	< 0.68	ug/l	0.68	2.18	1	GRO95/8021	7/23/2007	CJR	2 3 64
o-Xylene	1.75	ug/l	0.53	1.68	1	GRO95/8021	7/23/2007	CJR	3 64

Lab Code 515669II
Sample ID TW2
Sample Matrix Water
Sample Date 7/11/2007

	Result	Unit	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
Organic									
PVOC + Naphthalene									
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021	7/23/2007	CJR	1
Ethylbenzene	< 0.44	ug/l	0.44	1.39	1	GRO95/8021	7/23/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.53	ug/l	0.53	1.7	1	GRO95/8021	7/23/2007	CJR	1
Naphthalene	< 0.53	ug/l	0.53	1.7	1	GRO95/8021	7/23/2007	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	GRO95/8021	7/23/2007	CJR	1
1,2,4-Trimethylbenzene	< 0.45	ug/l	0.45	1.43	1	GRO95/8021	7/23/2007	CJR	3 64
1,3,5-Trimethylbenzene	< 0.22	ug/l	0.22	0.7	1	GRO95/8021	7/23/2007	CJR	1
m&p-Xylene	< 0.68	ug/l	0.68	2.18	1	GRO95/8021	7/23/2007	CJR	2 3 64
o-Xylene	< 0.53	ug/l	0.53	1.68	1	GRO95/8021	7/23/2007	CJR	3 64

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.
2	Relative percent difference failed for laboratory spiked samples.
3	The matrix spike not within established limits.
4	The continuing calibration standard not within established limits.
54	Possible gasoline contamination indicated outside DRO window.
64	Spike recovery failed due to matrix interference. Sample results unaffected.

Authorized Signature Michael J. Ricker

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # No 3234

Page 1 of 4

Sample Handling Request
___ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

Account No. :

Quote No.: U & C

Project #: E1715B07

Sampler: (signature) Don Brittnacher

Project (Name / Location): Wisconsin Ave. (STH 96) – Richmond to Ballard

Reports To: Don Brittnacher	Invoice To: WisDOT
Company OMNNI Associates	Company c/o OMNNI Associates
Address One Systems Dr.	Address same
City State Zip Appleton, WI 54914	City State Zip
Phone 920/735-6900	Phone
FAX 920/830-6100	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
SQ1566 GG	Trip	7/13/07	10:00		X	N	3	Trip	HCl
HH	TW1		10:30					GW	
II	TW2		10:48						
JJ	TW3		11:04						
KK	TW4		11:16						
LL	TW5		11:35						
MM	TW6		11:50						
NN	TW7		12:07						
OO	TW8		12:18						
PP	TW9		12:31						

Analysis Requested

DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	PVOC (EPA 8021)	VOC (EPA 8260)	VOC DW (EPA 524.2)	PAH (EPA 8270)	Total Suspended Solids	Lead	Other Analysis: naphthalene	PID/FID
			X						
		X						X	
		X						X	
			X						
			X						
			X						
			X						
		X						X	
		X						X	
		X						X	

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: client
Temp. of Temp. Blank. ____ °C On Ice X
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Don Brittnacher					

Received in Laboratory By: [redacted] Time: 11:00 AM Date: 7/17/07

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # No 9235

Page 2 of 4

Sample Handling Request
___ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

Account No. : Quote No.: U&C

Project #: E1715B07

Sampler: (signature) Don Brittnacher

Project (Name / Location): Wisconsin Ave. (STH 96) – Richmond to Ballard

Reports To:	Invoice To:
Don Brittnacher	Wis DOT
Company OMNNI Associates	Company c/o OMNNI
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	PVOC (EPA 8021)	VOC (EPA 8260)	VOC DW (EPA 524.2)	PAH (EPA 8270)	Total Suspended Solids	Lead	Other Analysis: naphthalene	PID/ FID
SR1569 QQ	TW10	7/13/07	12:50		X	N	3	GW	HCl			X						X	
RR	TW11		1:43									X						X	
SS	TW12		1:56									X						X	
TT	TW13		2:13									X						X	
UU	TW14		2:24									X						X	
VV	TW15		2:39									X						X	
WW	TW16		2:50									X						X	
XX	TW18		3:15										X						
YY	TW19		3:34										X						
ZZ	TW20		3:45										X						

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: client
Temp. of Temp. Blank ____ °C On Ice: X
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Don Brittnacher					

Received in Laboratory By: [signature] Time: 4:20 P.M Date: 7/16/07

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # № 0236

Page 3 of 4

Sample Handling Request
___ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #	
Account No. :	Quote No.: U & C
Project #: E1715B07	
Sampler: (signature) Don Brittnacher	
Project (Name / Location): Wisconsin Ave. (STH 96) – Richmond to Ballard	

Reports To: Don Brittnacher	Invoice To: Wis DOT
Company OMNNI Associates	Company OMNNI
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	PVOC (EPA 8021)	VOC (EPA 8260)	VOC DW (EPA 524.2)	PAH (EPA 8270)	Total Suspended Solids	Lead	Other Analysis: naphthalene	PID/ FID
SK5669 AAA	TW21	7/13/07	4:05		X	N	3	GW	HCl			X					X	X	
BBB	TW22		4:16									X					X	X	
CCC	TW23		4:30										X						
DDD	TW24		4:38										X						
EEE	TW25		4:56										X						
FFF	TW26		5:03										X						
GGG	TW27		5:17										X						
HHH	TW30		5:38										X						
III	TW31		6:02										X						
JJJ	TW32		6:11										X						

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Client
Temp. of Temp. Blank. ____ °C On Ice: Y
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Don Brittnacher					

Received in Laboratory By: [redacted] Time: [redacted] Date: 7/14/07

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # No 9233

Page 4 of 4

Sample Handling Request
___ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #	
Account No. :	Quote No.: U&C
Project #: E1715B07	
Sampler: (signature) Don Brittnacher	

Project (Name / Location): Wisconsin Ave. (STH 96) – Richmond to Ballard	
Reports To: Don Brittnacher	Invoice To: WisDOT
Company OMNNI Associates	Company c/o OMNNI
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	PVOC (EPA 8021)	VOC (EPA 8260)	VOC DW (EPA 524.2)	PAH (EPA 8270)	Total Suspended Solids	Lead	Other Analysis	PID/ FID
~~E16669~~ LLL	Trip 2	7/14/07	3:15		X	N	3	trip	HCl				X						
LLL	TW17	"	3:30		X	N	2	GW	HCl				X						

Analysis Requested

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: client
Temp. of Temp. Blank. ___ °C On Ice: Y
Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Don Brittnacher					

Received in Laboratory By: [signature] Time: 4:20 PM Date: 7/16/07

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # No 9231

Page 1 of 4

Sample Handling Request
___ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

Account No. : | Quote No.:

Project #: E1715B07

Sampler: (signature) Don Brittnacher

Project (Name / Location): Wisconsin Ave (STH 96) – Richmond to Ballard

Reports To: Don Brittnacher	Invoice To: Wis DOT
Company OMNNI Associates	Company c/o OMNNI Associates
Address One Systems Dr.	Address same
City State Zip Appleton, WI 54914	City State Zip
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	PVOC (EPA 8021)	VOC (EPA 8260)	VOC DW (EPA 524.2)	PAH (EPA 8270)	Total Suspended Solids	Lead	Other Analysis: naphthalene	Other Analysis: dry wt.	PID/ FID
5015669A	B1-4	7/10/07	9:00		X	N	4	soil	none	X	X	X						X	X	
B	B2-4		9:20				"			X	X	X						X	X	
C	B3-4		2:35				2						X						X	
D	B4-1		2:50				"						X						X	
E	B5-3		9:55				"						X						X	
F	B6-4		10:10				"						X						X	
G	B7-3		10:30				4			X	X	X						X	X	
H	B8-3		11:05				"			X	X	X						X	X	
I	B9-3		11:40				"			X	X	X						X	X	
J	B10-3		11:55				"			X	X	X						X	X	4206

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: client
Temp. of Temp. Blank. ____ °C On Ice: Y
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Don Brittnacher	5:25 PM	7/11/07			

Received in Laboratory By: [redacted] Time: [redacted] Date: [redacted]

CHAIN OF CUSTODY RECORD

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Chain # No 9228

Page 2 of 4

Sample Handling Request
___ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

Account No. : | Quote No.:

Project #: E1715B07

Sampler: (signature) Don Brittnacher

Project (Name / Location): Wisconsin Ave (STH 96) – Richmond to Ballard

Reports To: Don Brittnacher	Invoice To: Wis DOT
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Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	PVOC (EPA 8021)	VOC (EPA 8260)	VOC DW (EPA 524.2)	PAH (EPA 8270)	Total Suspended Solids	Lead	Other Analysis: naphthalene	Other Analysis: dry wt.	PID/FID
50/5669 K	B11-3	7/10/07	12:40		X	N	4	soil	none	X	X	X						X	X	
L	B12-3		12:15				"			X	X	X						X	X	
M	B13-2		1:05				"			X	X	X						X	X	
N	B14-2		1:30				"			X	X	X						X	X	
O	B15-2		1:55				"			X	X	X						X	X	
P	B16-2	↓	2:15				"			X	X	X						X	X	
Q	B17-2	7/11/07	9:45				2						X						X	
R	B18-2		10:05				"						X						X	
S	B19-3		2:35				"						X						X	
T	B20-1	↓	2:00		↓	↓	"	↓	↓				X						X	

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: client
Temp. of Temp. Blank. ____ °C On Ice: X
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Don Brittnacher	5:25 PM	7/11/07			

Received in Laboratory By: [signature] Time: 5:25 PM Date: 7/11/07

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # No 3229

Page 3 of 4

Sample Handling Request
___ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

Account No. : | Quote No.:

Project #: E1715B07

Sampler: (signature) Don Brittnacher

Project (Name / Location): Wisconsin Ave. (STH96) – Richmond to Ballard

Reports To: Don Brittnacher	Invoice To: Wis DOT
Company OMNNI Associates	Company c/o OMNNI
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Analysis Requested

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	PVOC (EPA 8021)	VOC (EPA 8260)	VOC DW (EPA 524.2)	PAH (EPA 8270)	Total Suspended Solids	Lead	Other Analysis: naphthalene	Other Analysis: dry wt.	PID/ FID
515669U	B21-3	7/11/07	3:00		X	N	4	soil	none	X	X	X						X	X	107
U	B22-2	↑	3:15		↓	↓	4	↓	↓	X	X	X						X	X	
W	B23-1		1:45				2						X						X	
X	B24-1		1:25				"						X						X	
Y	B25-1		10:30				"						X						X	
Z	B26-1		10:49				"						X						X	
515669AA	B27-3		11:05				"						X						X	
BB	B28-3		11:20				"						X						X	
CC	B29-3		11:55				"						X						X	
DD	B30-2	↓	12:15		↓	↓	"	↓	↓				X						X	

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Client
Temp. of Temp. Blank. ____ °C On Ice: Y
Cooler seal intact upon receipt: Y Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Don Brittnacher	5:25 pm	7/11/07			

Received in laboratory By: [redacted] Time: 1725 AM Date: 7/12/07

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # No 9230
Page #4 of 4

Sample Handling Request
___ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

Account No. : B | Quote No.:

Project #: E171507

Sampler: (signature) Don Brittnacher

Project (Name / Location): Wisconsin Ave. (STH 96) – Richmond to Ballard

Reports To: Don Brittnacher	Invoice To: Wis DOT
Company OMNNI Associates	Company c/o OMNNI
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	PVOC (EPA 8021)	VOC (EPA 8260)	VOC DW (EPA 524.2)	PAH (EPA 8270)	Total Suspended Solids	Lead	Other Analysis: dry wt	PID/ FID
515669EE	B31-2	7/11/07	4:00		X	N	2	soil	none				X					X	
FF	B32-1	↓	4:15		X	N	1	soil	none				X					X	

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Client
Temp. of Temp. Blank. ____ °C On Ice: X
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Don Brittnacher	5:25 AM	7/11/07			

Received in Laboratory By: [signature] Time: 5:25 AM Date: 7/11/07