RFP NO. 321039

DANE COUNTY DEPARTMENT OF PUBLIC WORKS,
HIGHWAY AND TRANSPORTATION

PUBLIC WORKS
ENGINEERING DIVISION
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

REQUEST FOR PROPOSALS NO. 321039
CONSULTING DESIGN SERVICES FOR ENVIRONMENTAL INVESTIGATION: STOUGHTON GARAGE
STOUHGTON HIGHWAY GARAGE
2520 CTH B
STOUGHTON, WISCONSIN

ISSUED FOR PROPOSALS: OCTOBER 19, 2021

Due Date / Time: **TUESDAY, November 16, 2021 / 2:00 P.M.** Location: **PUBLIC WORKS OFFICE**

]

FOR INFORMATION ON THIS REQUEST FOR PROPOSALS, PLEASE CONTACT:

Jerry Mandli, PROJECT MANAGER
TELEPHONE NO.: 608/266-4039
FAX NO.: 608/267-1533
E-MAIL: mandli@COUNTYOFDANE.COM

Department of Public Works, Highway & Transportation
Public Works Engineering Division
608/266-4018

Gerald J. Mandli, P.E.
Commissioner / Director

Joseph T. Parisi
County Executive

Deputy Director
Todd Draper

1919 Alliant Energy Center Way
Madison, Wisconsin 53713
Fax: 608/267-1533
https://pwht.countyofdane.com/public_works.aspx#engineering

October, 2021

INVITATION FOR PROPOSALS

You are invited to submit a Proposal for RFP No. 31039 to provide professional consulting & engineering design services for Environmental Investigation Stoughton Garage for the Stoughton Highway Garage. The Proposals are due on or before **2:00 p.m., Tuesday, November 16, 2021**. No performance bond is required for this project.

ADDITIONAL INFORMATION

In support of approved WDNR work plan, the project scope will include eight (8) soil borings with 16 samples taken and submitted to a State of Wisconsin certified laboratory. Analysis for PAH's, PVOCs and naphthalene, RCRA metals and VOC's will be required. Additional monitoring wells (six 6) to be developed for groundwater sampling. All collected data will be used for a Site Investigation Report to be submitted to the Wisconsin Department of Natural Resources by consultant.

SPECIAL INSTRUCTIONS

Please provide the entire proposal package in these formats: three (3) bound hard copies and an electronic version on a USB flash drive or compact disk. Follow these instructions when submitting your proposal:

1. Place the signed Proposal Form on top as page 1.
2. Place the signed Fair Labor Practices Certification after the Proposal Form as page 2.
3. Place the Proposal information after Fair Labor Practices Certification.
4. Clearly label your envelope containing your proposal in the lower left-hand corner as follows:
   Proposal No. 321039
   Environmental Investigation : Stoughton Garage
   November 16, 2021, 2:00 p.m.
5. Mail or deliver to:
   Todd Draper, Project Manager
   Dane County Department of Public Works, Highway & Transportation
   1919 Alliant Energy Center Way
   Madison, Wisconsin 53713

Use the drop box just inside our Office if you choose to hand deliver. If any additional information about this Request for Proposals is needed, please call Jerry Mandli at 608/266-4039 or send email to mandli@countyofdane.com.

Sincerely,

Gerald Mandli

Project Manager

Enclosure: Request for Proposals No. 321039 Package

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SCOPES OF PROPOSALS

1. GENERAL INFORMATION

A. Dane County is inviting proposals for professional consulting for the Environmental Investigation: Stoughton Garage.

B. The Dane County Highway Garage in Stoughton is located on the northwest corner of CTH B and CTH N in the town on Pleasant Springs, Wisconsin.

C. In support of an approved WDNR work plan, the project scope will include eight (8) soil borings with 16 samples taken and submitted to a State of Wisconsin certified laboratory. Analysis for PAH's, PVOCs and naphthalene, RCRA metals and VOC's will be required. Additional monitoring wells (six 6) to be developed for groundwater sampling. All collected data will be used for a Site Investigation Report to be submitted to the Wisconsin Department of Natural Resources by consultant.

D. To be considered for this project, the Consultant must meet or exceed the following criteria:

1. Have at least one registered professional engineer as lead responsible member of the firm or project team.

2. Have been in business for a period of not less than five (5) years.

3. Must have been responsible for the design and completion of at least three (3) Environmental Investigation projects of similar scope and size.

4. Consideration may be given to joint ventures consisting of two or more firms organized for the purpose of furnishing professional services as a single entity, providing the assignment of and provisions for continuity of the various responsibilities within the joint venture are approved by the County, and further providing that either of the individual firms constituting the joint venture meets the eligibility requirements listed above.

2. SCOPE OF WORK

A. Project deliverables and specific tasks are detailed in the *Draft Professional Services Agreement*.

B. Study Phase:

1. Install eight (8) soil borings and six (6) monitoring wells. Soil samples analyzed for PAH, PVOC's and naphthalene, RCRA metals and VOC's.

2. Groundwater samples taken twice on separate visits.

3. Site Investigation Report prepared in accordance with Wis. Admin. Code NR 716 to be delivered to the State Department of Natural Resources.

C. In-person meetings shall be limited & shall follow current *Public Health - Madison & Dane County* procedures & recommendations (see publichealthmdc.com/documents/office_space_checklist.pdf and publichealthmdc.com/coronavirus/forward-dane/current-order). Whenever possible, meetings shall be held via teleconference or videoconference, to be hosted by the consultant. Dane County reserves right to mandate safe physical distancing & use of face masks by all personnel while inside any County facility or on any County grounds.

3. PROPOSAL CONTENT

A. Interested consultants shall, submit the following information in their proposal, in seven distinct sections or divisions:

1. Proposal Form, Fair Labor Practices Certification and Proposer's cover letter.

2. Description of firm's qualifications, related experience, organization and resources.

3. Brief list (min. of three, max. of five) of similar completed projects previously completed with the project details, name, address and telephone number of the client for whom the work was done. Specific reference shall be made to projects involving public facilities as is being proposed. You may separately list additional professional references.

4. List of staff that will be committed to the Work with their professional resumes. Actual consultant project engineer / architect will be interviewed if firm is short-listed. Include listing of other consultants who may participate in this project and their area of expertise.

5. Indicate staff availability and tentative timetable with project tasks for the Work, including all project phases.

6. Fee for services stated as fixed fee.

7. State clearly any limitations you wish to include in Draft Professional Services Agreement and advise of any conditions that you may have.

4. EVALUATION CRITERIA

A. Proposing consultants will be evaluated on this criteria

Relative Experience	30%
Past Project References	30%
Work Plan	25%
Pricing / Cost Proposal	15%
Total	100%

5. PRICING

A. Additional details about project phases, pricing & payments are detailed in the *Draft Professional Services Agreement*.

B. Fee for services stated as fixed fee shall be submitted in the Proposals.

6. N/A[

7. OWNER'S RESPONSIBILITY

A. Dane County will provide all available building, site, drawings and specifications to selected consultant. These drawings and specifications may not be complete or in an as-built condition. A/E firm will need to confirm accuracy of drawings and specifications. Dane County will provide any necessary hazardous material protection or abatement.

8. TIMETABLE

A. Listed below are specific and estimated dates and times of events related to this RFP. The events with specific dates must be completed as indicated unless otherwise changed by Dane County. In the event that Dane County finds it necessary to change any of the specific dates and times in the calendar of events listed below, it will do so by issuing an addendum to this RFP. There may or may not be a formal notification issued for changes in the estimated dates and times.

DATE	EVENT
October 19, 2021	RFP issued
November 4, 2021 - 2:00 p.m.	Written inquiries due
November 11, 2021	Latest addendum (if necessary)
November 16, 2021 - 2:00 p.m.	Proposals due
November 23, 2021 (estimated)	Notification of intent to award sent out

9. ADDITIONAL INFORMATION

A. Dane County Department of Public Works, Highway & Transportation, 1919 Alliant Energy Center Way, Madison, Wisconsin 53713, will receive your Proposal.

B. Information regarding this project may be obtained from Jerry Mandli, Highway Project Manager, 608/266-4039, Mandli@countyofdane.com.

C. Since RFP documents are obtained from the Dane County web site, proposing company is responsible to check back there regularly for Addenda.

D. All Proposals must be submitted by 2:00 p.m., Tuesday, November 16, 2021.

E. Dane County reserves the right to accept or reject any Proposal submitted.

F. Information submitted by consultants will be reviewed and candidates [will / may] be scheduled to appear before an interview panel. Those appearing for an interview shall be prepared to discuss their approach for the design of this work, methodology, project team, a timetable, the basis of their fee schedule and answer questions from our staff.

G. Dane County reserves the right to negotiate an Agreement after the successful firm is selected. Selection will be based only on the proposal submitted and subsequent interviews. Therefore, the proposals must be complete. Submission of a proposal shall constitute a valid offer, which may be accepted by the County for a period of ninety (90) calendar days following the proposal due date.

H. Dane County is an Equal Opportunity Employer.

END OF SECTION

Department of Public Works, Highway & Transportation
Public Works Engineering Division
608/266-4018

Gerald J. Mandli, P.E.
Commissioner / Director

Joseph T. Parisi
County Executive

Deputy Director
Todd Draper

1919 Alliant Energy Center Way
Madison, Wisconsin 53713
Fax: 608/267-1533
https://pwht.countyofdane.com/public_works.aspx#engineering

SECTION 00 42 13

PROPOSAL FORM

PROPOSAL NO. 321039
PROJECT: ENVIRONMENTAL INVESTIGATION - STOUGHTON GARAGE
2520 CTH B, STOUGHTON, WI 53589

The undersigned, submitting this Proposal, hereby agrees with all terms, conditions and requirements of the above referenced Request for Proposals, and declares that the attached Proposal and pricing are in conformity therewith.

SIGNATURE: _____
(Proposal is invalid without signature)

Print or Type Name: _____ Date: _____

Title: _____

Company: _____

Address: _____

Telephone No.: _____ Fax No.: _____

Email Address: _____

Contact Person: _____

Receipt of the following addenda and inclusion of their provisions in this Proposal is hereby acknowledged:

Addendum No(s). _____ through _____

Dated _____

All Proposers are strongly encouraged to be a registered vendor with Dane County. Registering allows vendors an opportunity to receive notifications for RFPs & RFBs issued by the County and provides the County with up-to-date company contact information. Complete a new form or renewal online at: danepurchasing.com/Account/Lo gin?.

COUNTY OF DANE

PROFESSIONAL SERVICES AGREEMENT

SIGNATURE PAGE

Date: [Date]

Project No.: [No.]

Agreement No.: _____

THIS AGREEMENT is between the County of Dane, by its Department of Public Works, Highway & Transportation, hereinafter referred to as "COUNTY", and CONSULTANT Name, Address, City, State, Zip], hereinafter called the CONSULTANT "CONSULTANT".

WITNESSETH

WHEREAS, COUNTY proposes securing consulting services for a project described as follows:

Environmental Investigation: Stoughton Garage

WHEREAS, COUNTY deems it advisable to engage the services of the CONSULTANT to furnish professional services in connection with this project, and

WHEREAS, COUNTY has authority to engage such services, and

WHEREAS, the CONSULTANT represents that it is in compliance with the applicable Wisconsin Statutes relating to the registration of architects and professional engineers and designers, and has agreed to furnish professional services for COUNTY,

NOW, THEREFORE, in consideration of the premises and to their mutual and dependent agreements, the parties hereto agree as set forth in the following pages, which are annexed hereto and made a part hereof.

IN WITNESS WHEREOF, COUNTY and the CONSULTANTHave executed this Agreement as of the above date.

CONSULTANT Firm Name	**COUNTY OF DANE**
Signature Date	Joseph T. Parisi, County Executive Date
Printed Name	Scott McDonell, County Clerk Date
Title	
Federal Employer Identification Number (FEIN)	

COUNTY OF DANE

PROFESSIONAL SERVICES AGREEMENT

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1. ARTICLE 1: SCOPE OF AGREEMENT

1.A. This Agreement between COUNTY and the person or firm, duly licensed under the laws and in accordance with the regulations of the State of Wisconsin, hereinafter referred to as the "CONSULTANT" shall be governed by the following Terms and Conditions.

1.B. The CONSULTANT shall provide technical and professional services under this Agreement. The Terms and Conditions of this Agreement shall apply to modifications made to this Agreement and shall apply to both the services rendered in the creation of the design and to the additional services called for in carrying out the design.

1.C. The CONSULTANT shall serve as the professional technical advisor and consultant to COUNTY in matters arising out of or incidental to the performance of this Agreement and in that capacity, the CONSULTANT shall not have a contractual duty or responsibility to any other person or party or individual regarding the services under this Agreement, except as that duty may arise under the laws of the State of Wisconsin. The CONSULTANT is not an agent of the COUNTY within the meaning of s. 893.80 or 895.46, Wis. Stats.

1.D. Professional services performed or furnished under this Agreement shall be based on the care and skill ordinarily used by members of the profession involved, who practice under the authority of and who are governed by the license issued under the Wisconsin Statutes and the Wisconsin Administrative Code. The standard of care for architectural and engineering services under this Agreement shall include designing buildings, structures and / or related infrastructural systems that comply with all applicable building and safety codes.

1.E. By accepting this Agreement, the CONSULTANT represents possession of the necessary skill and other qualifications to perform work under this Agreement and is familiar with the practices in the locality where such services and work shall be performed.

1.F. The CONSULTANT shall review and become familiar with the current Division 00 & 01 requirements utilized by COUNTY in construction contracts and shall provide services and work, consistent with such requirements, so that the Contractor's schedule is not negatively impacted.

1.G. The CONSULTANT shall be professionally responsible for work performed under this Agreement. Upon written approval of COUNTY, the CONSULTANT may subcontract work to an approved consultant under this Agreement, to the specific extent authorized by COUNTY. The authorization to subcontract shall not relieve the CONSULTANT of professional or contractual responsibility for any work performed or delivered under this Agreement. The authorization to subcontract shall not be construed to create any contractual relationship between COUNTY and such consultant.

1.H. Subcontracts for services under this Agreement shall provide that work performed under such subcontract, shall be subject to provisions of this Agreement and shall also provide that any professional duty or responsibility pertaining thereto shall be accomplished to the benefit of COUNTY. Upon request, an electronic copy of each such subcontract for which COUNTY approval is granted shall be furnished to COUNTY.

1.I. The CONSULTANT may substitute consultants or professional staff under this Agreement only to the specific extent authorized by COUNTY in writing.

1.J. In the performance of this Agreement, the CONSULTANT shall become familiar with and perform such services in accordance with the specifications set forth in the Request for Proposals document. The COUNTY reserves the right to update County Master Specifications Division 00 and Division 01 at any time, including after the signing date of

this Agreement. The CONSULTANT shall use and conform to the most current County Master Specifications Division 00 and Division 01 available at the time of Final Review Documents and the CONSULTANT shall not be eligible for a change order based upon alterations to said County Master Specifications Division 00 and Division 01 occurring after the date of Agreement signing.

2. ARTICLE 2: SCOPE OF THE SERVICES TO BE PROVIDED

2.A. General:

2.A.1) Services are to be provided by the CONSULTANT in each of the following phases:

Study Phase

2.A.2) An assigned COUNTY Highway Project Manager will be the CONSULTANT's contact in securing COUNTY direction and for arranging the necessary meetings with COUNTY or other County Departments and obtaining the approvals required by COUNTY.

2.A.3) The CONSULTANT shall create a log of all COUNTY and CONSULTANT generated design changes resulting from meetings and communications from COUNTY. This log shall be kept throughout the entire design process and submitted to COUNTY every two (2) months.

2.A.4) The CONSULTANT shall facilitate a site investigation, including subsurface investigations or geotechnical exploration of the subsurface conditions of the site, for the purpose of identifying conditions at the site..

2.A.5) The term "written" or "in writing" may be either electronic or hard copy documentation, unless otherwise stated or directed by COUNTY.

2.B. Study Phase:

2.B.1) The CONSULTANT shall obtain from COUNTY information and materials necessary to ascertain scope of the Project and shall verify with COUNTY program and functional requirements of the Project. This shall include gathering information from building users subject to approval by the COUNTY Highway Project Manager.

2.B.2) Based on information, materials and requirements as verified by COUNTY, CONSULTANT shall prepare a Summary and Study consisting of text, drawings and other documents illustrating scale and relationship of the Project components. Draft version of Study shall be submitted to COUNTY for review, modifications and written approval before submitting Final version.

2.B.3) Study Phase deliverables shall be:

2.B.3) a. Conduct Site Investigation, Provide electronic copies of results:

(1) Word 2016 (or earlier version);
(2) Any other files (e.g., AutoCAD 2019, Excel 2016, PowerPoint 2016, etc. (or earlier versions)) included in Investigation; and

(3) Adobe Acrobat 2020 (or earlier version) (PDFs converted from Word, AutoCAD, or other programs; minimize pdf file size by converting files rather than scanning printouts).

2.B.3) b. Prepare NR 716 Site Investigation Report:

(1) Three, required number (3, #) bound, hard copies in 8½ x 11 and / or 11 x 17 format;
(2) Electronic version of all documents delivered on a USB flash drive or compact disk:
    (a) Word 2016 (or earlier version);
    (b) Any other files (e.g., AutoCAD 2019, Excel 2016, PowerPoint 2016, etc. (or earlier versions)) included in Study; and
    (c) Adobe Acrobat 2020 (or earlier version) (PDFs converted from Word, AutoCAD, or other programs; minimize pdf file size by converting files rather than scanning printouts).

2.C. COUNTY will determine the project scope for which the professional design services are required and will fully cooperate in achieving completion of that work.

2.D. COUNTY will establish an internal operating procedure for timely and proper performance of any COUNTY duty required to fulfill the needs of the project.

2.E. COUNTY will provide available information regarding the requirements for the project, which set forth COUNTY's objectives for program, schedule and overall budget. COUNTY will make available to the CONSULTANT data known to COUNTY or requested by the CONSULTANT, which may be needed for the fulfillment of the professional responsibility of the CONSULTANT. This data may include, but is not limited to, prints of existing buildings or record drawings and COUNTY standards and guides. Such documents will be the most recent and accurate available. The use of any such data by the CONSULTANT shall be without contractual or legal significance unless otherwise established elsewhere in this Agreement. However, providing of documents by COUNTY shall not relieve the CONSULTANT from the responsibility for conducting a field survey to verify existing conditions as specified herein.

2.F. COUNTY will communicate to the CONSULTANT the format of the documents required to be submitted.

2.G. COUNTY will examine documents submitted by the CONSULTANT and will render decisions regarding them promptly, to avoid unreasonable delay in the progress and sequence of the CONSULTANT's work. COUNTY will coordinate review comments from the User agency and COUNTY staff prior to issuance to the CONSULTANT.

3. ARTICLE 4: COMPENSATION

3.A. CONSULTANT fees for basic services will be compensated by COUNTY in accordance with the Terms and Conditions of this Agreement as follows:

3.A.1) COUNTY will pay the CONSULTANT a lump sum fee of $[ ].

3.A.2) No change in fee shall result from change orders to construction contracts unless such change is described as an Additional Service under Article 4.D. of this

Agreement and approved by COUNTY. When the CONSULTANT's Design Report estimate indicates a revised project cost and such revision is approved by COUNTY, the amount of the lump sum fee may be renegotiated.

3.B. Reimbursable Expenses:

3.B.1) Reimbursable Expenses are actual, incidental expenses incurred by the CONSULTANT, its employees or consultants, in the interest of the project and are not included in overhead costs for the Fees for Basic Services (4.A.) and Additional Services (4.D.). Reimbursable Expenses shall be incurred or contracted for only with PRIOR written approval from COUNTY. Such approval shall be based on a written proposal delineating the nature of the services, the time involved, the estimated cost thereof, and the individuals or firms involved. Payment Requests from consultants and construction contractors providing these Reimbursable Expenses shall be reviewed by the CONSULTANT to check the accuracy of and entitlement to the sums requested. Reimbursable Expenses may include, but are not limited to, the following incidental expenses:

3.B.1) a. Expense of reproduction of drawings and specifications, excluding the review sets required in Article 2.

3.B.1) b. Expense of a site survey when needed.

3.B.1) c. Expense of a geotechnical investigation and soils and material testing when required.

3.B.1) d. Expense of State and / or City review fees when required.

3.B.2) Expenses not eligible for reimbursement shall include, but are not limited to, indirect project overhead costs associated with the Fees for Basic Services (4.A.) and Additional Services (4.D.) such as mileage, travel, lodging, replication of drawings for the design development meetings and subsequent design meetings, preliminary and final review document printing, handling and postage, cost of correspondence transmittals, telephone expenses, and CAD / electronic graphic services. Such expenses shall be included as part of the Lump Sum fee.

3.C. Additional Services:

3.C.1) The following services are in addition to but are not covered in Article 4.A. These services may be identified as part of the CONSULTANT’s fee proposal and included with the lump sum fee as such. Compensation for these additional services or other services must be requested by the CONSULTANT, and subsequently approved by COUNTY prior to proceeding with the work. If the additional services are requested after the Agreement has been issued, such authorization shall be based on a written proposal delineating the nature of the services, the time involved, the estimated cost thereof, the effect on the project schedule and the individuals or firms involved. When authorized, an Agreement Change Order will be used to modify the CONSULTANT’s Agreement.

3.C.1) a. Providing planning surveys, program revision, site feasibility, or comparative studies of prospective sites.

3.C.1) b. Revising previously approved drawings, specifications or other documents after written approval of Design Development Phase, to accomplish changes not initiated by the CONSULTANT other than record documents

and revisions normally to be expected or required to correct deficiencies in the approved drawings and specifications.

3.C.1) c. Preparing detailed models, perspective or renderings.

3.C.1) d. Providing services as expert witness in connection with any public hearings, arbitration proceeding, or the proceedings of a court of record except when the CONSULTANT is party thereto.

3.C.1) e. Providing historical preservation research or documentation.

3.C.1) f. Participation in post-project evaluations.

3.D. Payments to the CONSULTANT:

3.D.1) No more than ninety percent (90%) of the CONSULTANT's lump sum fee shall be paid out prior to substantial completion of the project. When COUNTY confirms that Final Study Report has been satisfactorily completed by the CONSULTANT, COUNTY will determine how and when the remaining lump sum fee is disbursed.

3.D.2) Payments for COUNTY-approved Reimbursable Expenses as defined in Article 4.C. and Additional Services of the CONSULTANT as defined in Article 4.D., will be made monthly upon request.

3.D.3) A CONSULTANT whose work is found deficient or fails to conform to the requirements set forth in the Agreement, is not entitled to further payments, until corrected to the satisfaction of COUNTY.

3.D.3) a. Payments to the CONSULTANT may be withheld for damages sustained by COUNTY due to error, omission, unauthorized changes or negligence on the part of the CONSULTANT. COUNTY will notify the CONSULTANT in writing of the alleged, specific damages and amounts involved, on a timely basis.

3.D.4) Payments to the CONSULTANT will not be withheld due to disputes between construction contractor(s) and COUNTY.

4. ARTICLE 5: ACCOUNTING RECORDS

4.A. Records of the CONSULTANT's direct personnel, consultants, and reimbursable expenses pertaining to the project shall be kept in accordance with Generally Accepted Accounting Principles (GAAP) and shall be available to COUNTY or an authorized representative throughout the term of this Agreement and for at least three (3) years after final payment to the CONSULTANT.

5. ARTICLE 6: TERMINATION OF AGREEMENT

5.A. This Agreement may be terminated by COUNTY without cause upon ten (10) calendar days written notice to the CONSULTANT. In the event of termination, the CONSULTANT will be paid fees for services performed to termination date, reimbursable expenses then due, and termination expenses as approved by COUNTY. Work performed prior to the date of termination shall be in accordance with the terms and conditions of this Agreement. Upon termination, the results of such work shall immediately be turned over to the COUNTY Project Manager and is a condition precedent to further payment by COUNTY.

5.B. In the event the Agreement between the CONSULTANT and any consultant on this project is terminated, the results of work by that consultant shall immediately be turned over to the CONSULTANT.

6. ARTICLE 7: OWNERSHIP OF DOCUMENTS

6.A. All drawings and specifications, renderings, models, scale details, approved copies of shop drawings and other such documents prepared by the CONSULTANT or any consultant pursuant to this Agreement shall become the property of COUNTY on completion and acceptance of any of the CONSULTANT's work, or upon termination of the Agreement, and shall be delivered to COUNTY upon request.

6.B. Documents prepared under this Agreement may be used by COUNTY for informational purposes without additional compensation to the CONSULTANT.

6.C. Specifications and isolated, detail drawings inherent to the [architectural / engineering, engineering] design of the project, whether provided by the COUNTY or generated by the CONSULTANT, shall be available for future use by the parties to this Agreement and other parties, each at their own risk.

7. ARTICLE 8: LIABILITY- HOLD HARMLESS AND INDEMNIFICATION

7.A. CONSULTANT shall indemnify, hold harmless and defend COUNTY, its boards, commissions, agencies, officers, employees and representatives against any and all liability, loss (including, but not limited to, property damage, bodily injury and loss of life), damages, costs or expenses which COUNTY, its officers, employees, agencies, boards, commissions and representatives may sustain, incur or be required to pay by reason of CONSULTANT furnishing the services required to be provided under this Agreement, provided, however, that the provisions of this paragraph shall not apply to liabilities, losses, charges, costs, or expenses caused or resulting from the acts or omissions of COUNTY, its agencies, boards, commissions, officers, employees or representatives. The obligations of CONSULTANT under this paragraph shall survive the expiration or termination of this Agreement.

8. ARTICLE 9: PROFESSIONAL LIABILITY INSURANCE

8.A. The CONSULTANT and its consultants retained under the terms of this Agreement shall procure and maintain a professional liability insurance policy with at least $1,000,000 in coverage that provides for payment of the insured's liability for errors, omissions or negligent acts arising out of the performance of the professional services required under this Agreement. The CONSULTANT shall provide up-to-date, accurate professional liability information on the CONSULTANT’s Data Record, including amount of insurance, deductible, carrier and expiration date of coverage. Upon request by COUNTY, the CONSULTANT shall furnish COUNTY with a Certificate of Insurance showing the type, amount, deductible, effective date and date of expiration of such policy. Such certificate shall also contain substantially the following statement: “The insurance covered by this

certificate shall not be canceled, the coverage changed or reduced by endorsement, by the insurance company, except after thirty (30) calendar days written notice has been received by COUNTY." The CONSULTANT shall not cancel or materially alter this coverage without prior written approval by COUNTY. The CONSULTANT shall be responsible for consultants maintaining professional liability insurance during the life of their Agreement.

9. ARTICLE 10: OTHER INSURANCE

9.A. The CONSULTANT and its consultants retained under terms of this Agreement shall:

9.A.1) Maintain Worker's Compensation Insurance:

9.A.1) a. Procure and maintain Worker's Compensation Insurance as required by State of Wisconsin Statutes for all of the CONSULTANT's and consultant's employees engaged in work associated with the project under this Agreement.

9.A.1) b. Maintain Employer's Liability Insurance with a policy limit of not less than $1,000,000 per occurrence and $2,000,000 in the aggregate. Insurance may be met by a combination of primary and excess coverage.

9.A.2) Procure and maintain during the life of this Agreement, and until one year after the completion of this Agreement, Commercial General Liability Insurance, including Products and Completed Operations for all claims that might occur in carrying out the Agreement. Minimum coverage shall be $1,000,000 per occurrence, $1,000,000 general aggregate, combined single limit for bodily injury, personal injury, and property damage. Such coverage shall be of the "occurrence" type form and shall include the employees of the CONSULTANT as insureds.

9.A.3) Procure and maintain Commercial Automobile Liability Insurance for all owned, non-owned, and hired vehicles that are used in carrying out the Agreement. Minimum coverage shall be $1,000,000 per occurrence combined single limit for bodily injury and property damage. Insurance may be met by a combination of primary and excess coverage.

9.A.4) Provide an insurance certificate indicating the above Commercial Liability Insurance and property damage coverage, countersigned by an insurer licensed to do business in Wisconsin, covering and maintained for the period of the Agreement. Upon request by COUNTY, the insurance certificate is to be presented on or before execution of the Agreement.

10. ARTICLE 11: MISCELLANEOUS PROVISIONS

10.A. CONSULTANT warrants that it has complied with all necessary requirements to do business in the State of Wisconsin, that the persons executing this Agreement on its behalf are authorized to do so.

10.B. Legal Relations. The CONSULTANT shall comply with and observe federal and state laws and regulations and local zoning ordinances applicable to this project and in effect on the date of this Agreement.

10.C. Approvals or Inspections. None of the approvals or inspections performed by COUNTY shall be construed or implied to relieve the CONSULTANT from any duty or responsibility it has for its professional performance, unless COUNTY formally assumes such responsibility in writing from COUNTY so stating that the responsibility has been assumed.

10.D. Successors, Subrogees and Assigns. COUNTY and CONSULTANT each bind themselves, their partners, successors, subrogees, assigns, and legal representatives to the other party to this Agreement and to the partners, successors, subrogees, assigns and legal representatives of such other party with respect to covenants of this Agreement.

10.E. Claims. The CONSULTANT's project manager will meet with COUNTY's Project Manager to attempt to resolve claims, disputes and other matters in question arising out of, or relating to, this Agreement or the breach thereof. Issues not settled are to be presented in writing to the COUNTY Deputy Director of [Public Works, Waste & Renewables] for review and resolution. The decision of the Deputy Director of [Public Works, Waste & Renewables] shall be final. Work shall progress during the period of any dispute or claim. Unless specifically agreed between the parties, venue will be in Dane County, Wisconsin.

10.F. Amendment of Agreement. This Agreement may be amended in writing by both COUNTY and CONSULTANT.

10.G. It is expressly understood and agreed to by the parties hereto that in the event of any disagreement or controversy between the parties, Wisconsin law shall be controlling. Venue for any legal proceedings shall be in the Dane County Circuit Court.

10.H. This Agreement is intended to be an agreement solely between the parties hereto and for their benefit only. No part of this Agreement shall be construed to add to, supplement, amend, abridge or repeal existing duties, rights, benefits or privileges of any third party or parties, including but not limited to employees of either of the parties.

10.I. The entire agreement of the parties is contained herein and this Agreement supersedes any and all oral agreements and negotiations between the parties relating to the subject matter hereof. The parties expressly agree that this Agreement shall not be amended in any fashion except in writing, executed by both parties.

11. ARTICLE 12: NONDISCRIMINATION IN EMPLOYMENT

11.A. During the term of this Agreement, CONSULTANT agrees not to discriminate on the basis of age, race, ethnicity, religion, color, gender, disability, marital status, sexual orientation, national origin, cultural differences, ancestry, physical appearance, arrest record or conviction record, military participation or membership in the national guard, state defense force or any other reserve component of the military forces of the United States, or political beliefs against any person, whether a recipient of services (actual or potential) or an employee or applicant for employment. Such equal opportunity shall include but not be limited to the following: employment, upgrading, demotion, transfer, recruitment, advertising, layoff, termination, training, rates of pay, and any other form of compensation or level of service(s). CONSULTANT agrees to post in conspicuous places, available to all employees, service recipients and applicants for employment and services, notices setting forth the provisions of this paragraph. The listing of prohibited bases for discrimination shall not be construed to amend in any fashion state or federal law setting forth additional bases and exceptions shall be permitted only to the extent allowable in state or federal law.

11.B. Civil Rights Compliance:

11.B.1) If CONSULTANT has twenty (20) or more employees and receives $20,000 in annual contracts with COUNTY, the CONSULTANT shall submit to COUNTY a current Civil Rights Compliance Plan (CRC) for Meeting Equal Opportunity Requirements under Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title VI and XVI of the Public Service Health Act, the Age Discrimination Act of 1975, the Omnibus Budget Reconciliation Act of 1981

and Americans with Disabilities Act (ADA) of 1990. CONSULTANT shall also file an Affirmative Action (AA) Plan with COUNTY in accordance with the requirements of Chapter 19 of the Dane County Code of Ordinances. CONSULTANT shall submit a copy of its discrimination complaint form with its CRC/AA Plan. The CRC/AA Plan must be submitted prior to the effective date of this Agreement and failure to do so by said date shall constitute grounds for immediate termination of this Agreement by COUNTY. If an approved plan has been received during the previous calendar year, a plan update is acceptable. The plan may cover a two-year period. If CONSULTANT has less than twenty (20) employees, but receives more than $20,000 from the COUNTY in annual contracts, it may be required to submit a CRC Action Plan to correct any problems discovered as the result of a complaint investigation or other Civil Rights Compliance monitoring efforts set forth herein below. If CONSULTANT submits a CRC/AA Plan to a Department of Workforce Development Division or to a Department of Health and Family Services Division that covers the services purchased by COUNTY, a verification of acceptance by the State of CONSULTANT's Plan is sufficient.

11.B.2) CONSULTANT agrees to comply with the COUNTY's civil rights compliance policies and procedures. CONSULTANT agrees to comply with civil rights monitoring reviews performed by the COUNTY, including the examination of records and relevant files maintained by the CONSULTANT. CONSULTANT agrees to furnish all information and reports required by the COUNTY as they relate to affirmative action and non-discrimination. CONSULTANT further agrees to cooperate with COUNTY in developing, implementing, and monitoring corrective action plans that result from any reviews.

11.B.3) CONSULTANT shall post the Equal Opportunity Policy, the name of CONSULTANT's designated Equal Opportunity Coordinator and the discrimination complaint process in conspicuous places available to applicants and clients of services, applicants for employment and employees. The complaint process will be according to COUNTY's policies and procedures and made available in languages and formats understandable to applicants, clients and employees. CONSULTANT shall supply to COUNTY's Contract Compliance Specialist upon request a summary document of all client complaints related to perceived discrimination in service delivery. These documents shall include names of the involved persons, nature of the complaints, and a description of any attempts made to achieve complaint resolution.

11.B.4) CONSULTANT shall provide copies of all announcements of new employment opportunities to COUNTY's Contract Compliance Specialist when such announcements are issued.

ATTACHMENT A

PROFESSIONAL SERVICES AGREEMENT

CONSTRUCTION PHASE SITE VISITS AGREEMENT

Project No.: [No.]

Agreement No.: [No.]

Project Name: Environmental Investigation: Stoughton Garage

Construction phase services, for the Project referenced above, shall be provided by either the CONSULTANT or its Consultants as follows and in compliance with Article 2.G.:

1. The CONSULTANT shall visit the site a minimum of 4 times during the construction phase and attend the pre-construction meeting, progress meetings and final inspection to determine if work has been completed according to plans and specifications. Site visits shall be conducted at essential times during the construction phase. To be considered a site visit, close-up observation of the current building elements in process of being constructed must be performed. Additional site visits necessitated by CONSULTANT error, omission, unauthorized changes or negligence, shall be accomplished without additional cost to COUNTY. Additional site visits necessitated by significant failure on the part of the lead or other prime construction contractors to perform, will be given consideration as additional services, reimbursable by the responsible construction contractor(s) through COUNTY. Where specialty work is performed "in-house" or by an outside Consultant, the minimum number of separate site visits by that specialist shall be as indicated below.

SECTION 00 73 11

FAIR LABOR PRACTICES CERTIFICATION

The undersigned, for and on behalf of the BIDDER, APPLICANT or PROPOSER named herein, certifies as follows:

A. That he or she is an officer or duly authorized agent of the above-referenced BIDDER, APPLICANT or PROPOSER, which has a submitted a bid, application or proposal for a contract or agreement with the county of Dane.

B. That BIDDER, APPLICANT or PROPOSER has (check one):

_____ not been found by the National Labor Relations Board ("NLRB") or the Wisconsin Employment Relations Commission ("WERC") to have violated any statute or regulation regarding labor standards or relations in the seven years prior to the signature date of this Certification.

_____ been found by the National Labor Relations Board ("NLRB") or the Wisconsin Employment Relations Commission ("WERC") to have violated any statute or regulation regarding labor standards or relations in the seven years prior to the signature date of this Certification.

_____ _____

Officer or Authorized Agent Signature Date

_____

Printed or Typed Name and Title

_____

Printed or Typed Business Name

NOTE: You can find information regarding the violations described above at: www.nlrb.gov and werc.wi.gov.

For reference, Dane County Ordinance 25.09 is as follows:

(1) BIDDER RESPONSIBILITY. (a) Any bid, application or proposal for any contract with the county, including public works contracts regulated under chapter 40, shall include a certification indicating whether the bidder has been found by the National Labor Relations Board (NLRB) or the Wisconsin Employment Relations Committee (WERC) to have violated any statute or regulation regarding labor standards or relations within the last seven years. The Controller shall investigate any such finding and make a recommendation to the committee, which shall determine whether the conduct resulting in the finding affects the bidder's responsibility to perform the contract.

If you indicated that the NLRB or WERC have found you to have such a violation, you must include copies of any relevant information regarding such violation with your proposal, bid or application.

Include this completed Certification with your bid, application or proposal.

END OF SECTION

Phase 3 Site Investigation Report

Dane County Highway Garage (2520 CTH B)
Stoughton, Wisconsin

WisDOT Project #5845-06-02

August 2012

Phase 3 Site Investigation Report

Dane County Highway Garage (2520 CTH B)
Stoughton, Wisconsin

WisDOT Project #5845-06-02

August 2012

Ted O'Connell
Environmental Scientist

Daniel Haak
Project Manager

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Senior Client Service Manager

TRC Environmental Corporation | Wisconsin Department of Transportation
Final
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Commonly Used Abbreviations and Acronyms

AST	aboveground storage tank
bgs	below ground surface
BRRTS	Bureau for Remediation and Redevelopment Tracking System
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CTH	County Trunk Highway
CY	cubic yards
DRO	diesel range organics
FDM	Facilities Development Manual
EMP	Excavation Management Plan
ERP	Environmental Repair Program
ES	Enforcement Standards
ESA	Environmental Site Assessment
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
GIS Registry	WDNR Geographic Information System (GIS) Registry of Closed Remediation Sites
GRO	gasoline range organics
HAZWOPER	Code of Federal Registry Chapter 29 (29 CFR) Part 1910.120 Hazardous Waste Operations and Emergency Response
HMA	Hazardous Materials Assessment
IH	Interstate Highway
LQG	large quantity generator
LUST	leaking underground storage tank
NPL	National Priorities List
NR ###	Wisconsin Administrative Code (WAC) Natural Resources (NR) Chapter ###
PAHs	polynuclear aromatic hydrocarbons
PAL	Preventive Action Limits
PCBs	polychlorinated biphenyls
PCE	perchloroethylene/tetrachloroethylene
PID	photoionization detector
PVOCs	petroleum volatile organic compounds
RCLs	Residual Contaminant Levels in NR 720
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
R/W or ROW	right-of-way
sf	square feet
STH	State Trunk Highway
TCE	trichloroethylene
TRIS	Toxic Chemical Release Inventory System
USGS	United States Geological Survey
USH	United States Highway
UST	underground storage tank
VOCs	volatile organic compounds
WDNR	Wisconsin Department of Natural Resources
WDSPS	Wisconsin Department of Safety and Professional Services
WisDOT	Wisconsin Department of Transportation
WGNHS	Wisconsin Geological and Natural History Survey
WI ERP	Wisconsin Environmental Repair Program database

Executive Summary

The Dane County Highway Garage (DCHG) is located at the intersection of CTH B and CTH N near Stoughton, WI and is bounded by the Yahara River to the west, CTH B to the south, and CTH N to the east. Viking Park is located immediately south of CTH B.

The DCHG property has been used by the Dane County Highway Department for the last 50 years as a truck garage storage and maintenance facility. Current maintenance operations include washing, lube, and oil changes; in the past other maintenance operations were performed at the site.

The property was recently identified by WisDOT as being a potential site that may be used as a federal Land and Water Conservation Fund Act Section 6(f) mitigation for the impacts to the nearby Viking Park. WisDOT requested a Phase 3 investigation in order to determine the presence and extents of soil and/or groundwater contamination at the site, in order to determine the potential benefit of acquiring the DCHG property.

Representatives from TRC and TRC's Geoprobe® subcontractor, On-Site Environmental Services, Inc. (On-site), were on-site on June 20, 2012 to construct 10 soil borings to depths of 10 to 15 feet bgs, 8 temporary monitoring wells, and collect two surface soil samples (0-0.5 feet bgs).

The results of TRC's Phase 3 Investigation at the DCHG indicate that contaminated soil and groundwater exists within the limits of the above referenced property. Four areas of known contamination include the following boring locations: B1 (the former waste oil collection tank site), B6 (current waste oil collection site), B-7 and B-12 (highway maintenance facility floor drains/storm sewer line), and at surface soil sample location B14 (spill(s) on the asphalt parking lot south of the highway maintenance building).

Based on historic uses of the DCHG, and the results of the recent Phase 3 Investigation, it should be anticipated that additional contaminated soil and/groundwater may be present at the property. Further investigation of the identified areas is necessary in order to completely define the horizontal and vertical extents of contamination at the site.

Section 1
Background

1.1 Site History and Current Operations

The Dane County Highway Garage (DCHG) is located at the intersection of CTH B and CTH N near Stoughton, WI (Figure 1). The property is 5.945 acres, bounded by the Yahara River to the west, CTH B to the south, and CTH N to the east. Viking Park is located immediately south of CTH B.

The property has been used by the Dane County Highway Department for the last 50 years as a truck garage storage and maintenance facility. Current maintenance operations include washing, lube, and oil changes; in the past other maintenance operations were performed at the site. The main highway maintenance building is used to house Dane County Highway equipment and vehicles, as well perform vehicle maintenance activities. The highway maintenance building has concrete slab floors equipped with floor drains. Each floor drain has a sump/oil-water separator that is cleaned out and pumped twice a year. The floor drains, along with the storm water from the area north of the maintenance building is discharge to the ditch adjacent to CTH B. According to Mike Fitzgerald, the current garage supervisor, a microbiological storm water treatment system was installed in the ditch adjacent to CTH B. The system consisted of rock and cloth for filtration/treatment of storm water. The system has not been maintained, and currently, storm water and water from the maintenance floor drains are discharged to the ditch without treatment. The site also currently has a septic system in operation.

In addition to the highway maintenance building, two salt sheds, a storage shed, a public waste oil collection site (1 – 550 gallon AST), and gasoline UST (1-10,000 gallon) and diesel UST (1-10,000 gallon) with associated dispensers are located on the property (Figure 2). According to the WDSPS database, four storage tanks have been removed from the site. The WDSPS database indicates that the former waste oil collection site (located along the northeast fence line) consisted of two 275 gallon ASTs, and was removed in 1998. The former pump island location (located to the south of the highway maintenance building in the area of B9) consisted of a 2,000 gallon gasoline UST and a 10,000 gallon diesel fuel UST, which were removed in 1992. According to Mike Fitzgerald, no soil contamination was observed with the removal of the former waste oil AST, soil contamination was observed during the removal of the gasoline and diesel USTs, and contaminated soil was removed from the site. Dane County indicated a report or reports for the removal of these tank systems were prepared, however the report(s) cannot be located.

The property was recently identified by WisDOT as being a potential site that may be used as a federal Land and Water Conservation Fund Act Section 6(f) mitigation for the impacts to the nearby Viking Park. WisDOT requested a phase 3 investigation in order to determine the presence and extents of soil and/or groundwater contamination at the site.

Section 2
Phase 2.5/Phase 3 Site Investigation

2.1 Investigation

Representatives from TRC and TRC's Geoprobe® subcontractor, On-Site Environmental Services, Inc. (On-site), were on-site on June 20, 2012 to construct 10 soil borings to depths of 10 to 15 feet bgs and collect two surface samples (0-0.5 feet bgs). Photographs are included in Appendix A and all boring locations are shown on Figure 2. The boring locations were selected based on TRC's review of the WDSPS database, background information provided by Dane County employees, and field observations. The depths of the borings were based on the anticipated depth to groundwater. Soil cuttings generated during this investigation were containerized and will be disposed of under the WisDOT's hazardous waste disposal contract with Veolia Environmental Services (Appendix B). Groundwater at the site ranged from approximately 3 to 10 feet bgs.

2.2 Soil Sampling

During the Phase 3 Investigation, TRC field-screened the soil for staining, odors, and for VOCs using a PID. Boring logs and an abandonment form are included in Appendix C. Soils in the area of the investigation primarily consisted of sand and gravel fill underlain by native clay and sandy soils to the maximum boring depths. The PID readings are summarized in Table 1 and included on the boring logs. Significant petroleum odor, staining, and/or elevated PID readings were detected in the soil collected from boring locations B6, B7, B12, and surface sample B14. No soil samples were collected for laboratory analysis from borings B12 or B13 (step-out borings to define the extent of contamination encountered in boring B7). Contamination was observed in B12 and as such a temporary well was installed and a groundwater sample was collected. No evidence of soil contamination was observed in B13.

2.3 Groundwater Sampling

During the Phase 3 Investigation, TRC directed On-site to install 8 - 1" PVC temporary monitoring wells, to depths of 10 - 15 feet bgs. One groundwater sample was collected from each well for laboratory analysis and the wells were subsequently abandoned. Figure 2 shows the locations of the temporary monitoring wells.

2.4 Soil Analytical Results

Soil samples were laboratory-analyzed at Pace Analytical Services, Inc. (Pace). Soil samples were laboratory-analyzed for a combination of parameters, including DRO, GRO, VOCs, PVOCs, PCBs, PAHs, and RCRA metals. Soil laboratory results are presented in Appendix D and are summarized and compared to generic NR 720 Residual Contaminant Levels (RCLs) in Table 1.

No PCBs were detected in any of the samples collected. Laboratory results indicate that arsenic concentrations at the site range from 2.3 mg/kg to 7.3 mg/kg. These concentrations exceed the NR 720 RCLs, however; these concentrations are within the range of background arsenic soil concentrations for Wisconsin.

Laboratory results indicate that petroleum contamination is present in the soil samples collected from borings B6, B7, and in surface sample B14, and PAH contamination is present in the soil sample collected from boring B1. The exceedences of NR 720 (excluding arsenic) or generic RCLs are as follows:

- B1 – benzo(a)anthracene 829 µg/kg, benzo(a)pyrene 847 µg/kg, benzo(b)fluoranthene 603 µg/kg, indeno(1,2,3-CD)pyrene 219 µg/kg, and naphthalene 1,490 µg/kg.
- B6 – GRO 168 mg/kg, DRO 14,000 mg/kg, benzene 37.6 µg/kg, total xylenes 8,910 µg/kg, naphthalene 2,400 µg/kg, and toluene 1,970 µg/kg .
- B7 – GRO 572 mg/kg, DRO 800 mg/kg , and naphthalene 9,470 µg/kg
- B14 – DRO 211 mg/kg

2.5 Groundwater Analytical Results

Groundwater samples were laboratory-analyzed at Pace.

Groundwater samples were analyzed for a combination of dissolved RCRA metals, PVOCs, and VOCs. Groundwater laboratory results are presented in Appendix D and are summarized and compared to NR 140 PAL and NR 140 ES in Table 2.

Laboratory results indicate that contamination is present in the groundwater samples collected from borings B1, B6, B7, B12, and B13, including the following NR 140 PAL and ES exceedences:

- B1 – lead 2.1 µg/L (PAL)
- B6 – arsenic 12.8 µg/L (ES), benzene 69.9 µg/L (ES), and methyl-tert-butyl ether 21.9 µg/L (MTBE) (PAL)
- B7 – arsenic 8.4 µg/L (PAL), lead 2.1 µg/L (PAL), benzene 53.7 µg/L (ES), and naphthalene 126 µg/L (ES)

- B12 – arsenic 27.2 µg/L (ES), barium 703 µg/L (PAL), lead 2.0 µg/L (PAL), benzene 493 µg/L (ES), ethylbenzene 343 µg/L (PAL), MTBE 16.5 µg/L (PAL), and naphthalene 133 µg/L (ES)
- B13 – barium 482 µg/L (PAL)

Section 3
Findings, Conclusions, and Recommendations

The results of TRC's Phase 3 Investigation at the Dane County Highway Garage (2520 CTH B) indicate that contaminated soil and groundwater exists within the limits of the above referenced property. Four areas of contamination were identified at the DCHG property. Boring locations B1 (the former waste oil collection tank site), B6 (current waste oil collection site), B-7 and B-12 (highway maintenance facility floor drains/storm sewer line), and at surface soil sample location B14.

Shallow soil contamination at boring B1, in the area of the former waste oil collection site, exists at approximately 2.5 to 5.0 feet bgs. Soil concentrations for multiple PAHs at B1 exceed the WDNR suggested generic soil RCLs. Lead was detected in groundwater at an estimated concentration of 2.1 μg/L, exceeding the NR 140 PAL for lead (1.5 μg/L).

Shallow soil contamination exceeding NR 720 RCLs was also detected in surface soil sample B14 for DRO. This sample was collected due to noticeable staining on the asphalt parking lot surface to the north, running from the highway maintenance building to the drainage ditch to the south, most likely as a result of a spill/or spills that have occurred. The staining can be seen on the aerial imagery on Figure 2 and is documented in the photos in Appendix A. The extent of soil/groundwater contamination is unknown, and may exist at depth at this location.

Soil contamination exists at boring B6 (current waste oil collection site) exceeding NR 720 RCLs for GRO, DRO, benzene, xylenes, naphthalene, and toluene. Groundwater concentrations at boring B6 exceeding NR 140 PALs (MTBE 21.9 μg/L) or ES (arsenic 12.8 μg/L, and benzene 69.9 μg/L) were also found.

Soil and groundwater contamination was found at borings B7 and B12 and appear to be associated with the floor drains/sump in the highway maintenance building. Soil contamination was observed in the soils from approximately 5 to 10 feet bgs. Soil concentrations in boring B7 exceeded the NR 720 RCLs for GRO, DRO, and naphthalene. No soil samples were collected from step-out borings B12 and B13, as these borings were performed solely for field screening purposes and groundwater sample collection in order to define the horizontal extents of the soil and groundwater contamination. Highly impacted soils with PID readings of 392 ppm at 4 feet bgs and 407 ppm at 6 feet bgs were observed in boring B12. No soil contamination was observed, and all PID readings were less than 1 ppm in boring B13. The groundwater samples collected at temporary wells B7, B12, and B13 indicate a plume extending from the area of B7, southward towards B13 and the Yahara River. No exceedences were

observed in B13, however; low levels of MTBE were detected in the groundwater sample, indicating the leading edge of an expanding plume.

One permanent groundwater monitoring well appears to be located near the current pump island, associated with the USTs. The well could not be accessed during the recent sampling events; as such no groundwater sample was collected.

TRC has submitted notification of Hazardous Substances Discharge (WDNR Form 4400-225) for the Dane County Highway Garage (2520 CTH B), no WDNR BRRTS activities previously existed at this site. The notification is presented in Appendix E. The WDNR confirmed Dane County is the responsible party, and an RP letter was issued on August 6, 2012.

Based on historic uses of the DCHG, and the results of the recent Phase 3 Investigation, it should be anticipated that additional contaminated soil and/groundwater may be present at the property. Further investigation of the identified areas is necessary in order to completely define the horizontal and vertical extents of contamination at the site.

Table 1
Summary of Soil Analytical Results
Dane County Highway Garage, Stoughton, WI
WisDOT ID #5845-06-02
June 20, 2012

ANALYTE	UNITS	GENERIC RCL			B1	B2	B4	B6	B6	B7	B8	B9	B10	B11	B14
		GW PATH[1]	NON-INDUST[2]	INDUST[2]	2.5'-5.0'	0'-2.5'	5'-7.5'	0'-2.5'	7.5'-10'	6.0'-7.0'	2.5'-3.5'	2.5'-3.5'	0'-2.5'	0'-0.5'	0'-0.5'
PID	ppm	--	--	--	<1	15.4	<1	255	72.3	483.9	<1	4	4.2	<1	NA
		NR 720 RCLs													
GRO	mg/kg	100	--	--	< 3.0	NA	< 2.6	**168**	14.0	**572**	< 3.0	< 2.8	< 2.6	NA	NA
DRO	mg/kg	100	--	--	3.0 L2, T4	69.7 L2, T4	1.4 J, L2, T4	**14,000 L2, T4**	37.0 L2, T4	**800 L2**	1.4 J, L2	4.7 1q, L2	81.4 L2, T4	NA	**211 L2, T4**
VOCs/PVOCs[3]		NR 720 RCLs													
1,2,4-Trimethylbenzene	µg/kg	--	--	--	< 25.0	< 25.0	< 25.0	9050	< 25.0	< 50.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.5
1,3,5-Trimethylbenzene	µg/kg	--	--	--	< 25.0	< 25.0	< 25.0	3310	< 25.0	172	< 25.0	< 25.0	< 25.0	< 25.0	< 25.5
Benzene	µg/kg	5.5	--	--	< 25.0	< 25.0	< 25.0	< 25.0	**37.6 J**	< 50.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.5
cis-1,2-Dichloroethene	µg/kg	--	--	--	< 25.0	< 25.0	NA	34.1 J	< 25.0	< 50.0	< 25.0	NA	NA	< 25.0	< 25.5
Ethylbenzene	µg/kg	2900	--	--	< 25.0	< 25.0	< 25.0	932	< 25.0	1900	< 25.0	< 25.0	< 25.0	< 25.0	< 25.5
Isopropylbenzene (cumene)	µg/kg	--	--	--	< 25.0	< 25.0	NA	141	< 25.0	1370	< 25.0	NA	NA	< 25.0	< 25.5
m&p-Xylene	µg/kg	4100[4]	--	--	< 50.0	< 50.0	< 50.0	**5720**	< 50.0	< 100	< 50.0	< 50.0	< 50.0	< 50.0	< 51.0
Methylene chloride	µg/kg	--	--	--	< 25.0	< 25.0	NA	< 25.0	< 25.0	129 JB	< 25.0	NA	NA	< 25.0	< 25.5
Naphthalene	µg/kg	400[5]	--	--	< 25.0	28.3 J	NA	**2400**	< 25.0	**9470**	< 25.0	NA	NA	< 25.0	< 25.5
n-Butylbenzene	µg/kg	--	--	--	< 40.4	< 40.4	NA	< 40.4	< 40.4	3710	< 40.4	NA	NA	< 40.4	< 41.2
n-Propylbenzene	µg/kg	--	--	--	< 25.0	< 25.0	NA	624	< 25.0	4980	< 25.0	NA	NA	< 25.0	< 25.5
o-Xylene	µg/kg	4100[4]	--	--	< 25.0	< 25.0	< 25.0	**3190**	< 25.0	< 50.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.5
p-Isopropyltoluene	µg/kg	--	--	--	< 25.0	< 25.0	NA	209	< 25.0	440	< 25.0	NA	NA	41.7 J	< 25.5
cec-Butylbenzene	µg/kg	--	--	--	< 25.0	< 25.0	NA	161	< 25.0	2350	< 25.0	NA	NA	< 25.0	< 25.5
Tetrachloroethene	µg/kg	--	--	--	< 25.0	< 25.0	NA	170	< 25.0	< 50.0	< 25.0	NA	NA	< 25.0	< 25.5
Toluene	µg/kg	1500	--	--	< 25.0	< 25.0	< 25.0	**1970**	< 25.0	< 50.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.5
PAHs		PAH RCLs													
1-Methylnaphthalene	µg/kg	23,000	1,100,000	70,000,000	3250	NA	NA	17.5 J	< 10.2	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	µg/kg	20,000	600,000	40,000,000	4810	NA	NA	6.3 J	< 2.1	NA	NA	NA	NA	NA	NA
Acenaphthene	µg/kg	38,000	900,000	60,000,000	464	NA	NA	19.5	< 11.1	NA	NA	NA	NA	NA	NA
Acenaphthylene	µg/kg	700	18,000	360,000	196 J	NA	NA	< 9.6	< 11.1	NA	NA	NA	NA	NA	NA
Anthracene	µg/kg	3,000,000	5,000,000	300,000,000	579	NA	NA	10.2 J	< 2.3	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	µg/kg	17,000	88	3,900	**829**	NA	NA	< 9.6	< 11.1	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	µg/kg	48,000	8.8	390	**847**	NA	NA	< 9.6	< 11.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	µg/kg	360,000	88	3,900	**603**	NA	NA	< 2.8	< 3.2	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	µg/kg	6,800,000	1,800	39,000	358	NA	NA	< 9.6	< 11.1	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	µg/kg	870,000	880	39,000	671	NA	NA	< 9.6	< 11.1	NA	NA	NA	NA	NA	NA
Chrysene	µg/kg	37,000	8,800	390,000	820	NA	NA	< 2.2	< 2.5	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	µg/kg	38,000	8.8	390	< 157	NA	NA	< 9.6	< 11.1	NA	NA	NA	NA	NA	NA
Fluoranthene	µg/kg	500,000	600,000	40,000,000	955	NA	NA	< 9.6	< 11.1	NA	NA	NA	NA	NA	NA
Fluorene	µg/kg	100,000	600,000	40,000,000	532	NA	NA	28.9	< 11.1	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	µg/kg	680,000	88	3,900	**219 J**	NA	NA	< 9.6	< 11.1	NA	NA	NA	NA	NA	NA
Naphthalene	µg/kg	400	20,000	110,000	**1490**	NA	NA	18.0 J	< 4.2	NA	NA	NA	NA	NA	NA
Phenanthrene	µg/kg	1,800	18,000	390,000	1490	NA	NA	8.3 J	< 2.8	NA	NA	NA	NA	NA	NA
Pyrene	µg/kg	8,700,000	500,000	30,000,000	1300	NA	NA	11.3 J	< 11.1	NA	NA	NA	NA	NA	NA
Total Metals		NR 720 RCLs													
Arsenic	mg/kg	--	0.039	1.6	**6.3**	NA	NA	**5.7**	**6.2**	**7.3**	**2.6**	NA	NA	**5.8**	**2.3**
Barium	mg/kg	--	--	--	77.1	NA	NA	45.8	86.8	93.1	20.1	NA	NA	55.0	105
Cadmium	mg/kg	--	8	510	0.077 J	NA	NA	0.33 J	0.22 J	0.47 J	0.11 J	NA	NA	0.25 J	0.25 J
Chromium	mg/kg	--	--	--	26.3	NA	NA	7.4	25.9	23.9	9.9	NA	NA	9.1	7.7
Lead	mg/kg	--	50	500	10.3	NA	NA	13.3	10.3	12.9	3.8	NA	NA	7.4	16.3
Mercury	mg/kg	--	--	--	0.044	NA	NA	0.0068	0.026	0.032	0.032	NA	NA	0.0099	0.0099
Selenium	mg/kg	--	--	--	< 0.52	NA	NA	< 0.53	< 0.55	< 0.63	< 0.54	NA	NA	< 0.51	< 0.49
Silver	mg/kg	--	--	--	< 0.24	NA	NA	< 0.24	< 0.25	< 0.29	< 0.24	NA	NA	< 0.23	< 0.22

Notes:

PCBs were analyzed for in samples B1-2.5-5.0 and B6-0-2.5 and B6-7.5-10, all results were non-detect.

J = estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

NA = not analyzed.

NR 720 RCLs = generic RCL defined by Wisconsin Administrative Code NR 720.

RCLs = Residual Contaminant Levels.

PAH RCLs = Suggested generic soil RCLs for PAHs, WDNR publication RR-519-97.

-- = suggested RCL has not been established for this analyte.

Bold = indicates that the sample exceeds the groundwater pathway or non-industrial NR 720 or PAH RCL.

Footnotes:

(1) Value is the generic RCL for the groundwater pathway.

(2) Value is the generic RCL for exposure by direct contact.

(3) Soil samples collected were analyzed for either PVOCs or the WI LUST 8260 list for VOCs. Only those analytes that were detected are listed. Non-detect results are reported on a wet weight basis.

(4) RCL is for total xylenes.

(5) PAH RCL is used in the absence of an established NR 720 RCL.

L2: Analyte recover in the laboratory control sample was outside QC limits.

1q: The sample weight in the container did not meet method specifications. Sample was sub-sampled to meet method criteria.

T4: Result reported for hydrocarbons within the method-specific range that do not match pattern of laboratory standard.

B: Analyte was detected in the associated blank.

Created By: M. Westover, 7/12/12

Checked By: T. O'Connell, 7/13/12

Table 2
Summary of Groundwater Analytical Results
Dane County Highway Garage, Stoughton, WI
WisDOT ID #5845-06-02
June 20, 2012

ANALYTE	UNITS	NR 140 (GROUNDWATER) ES	NR 140 (GROUNDWATER) PAL	B1	B4	B6	B7	B8	B9	B12	B13
Dissolved Metals											
Arsenic	µg/L	10	1	< 4.7	NA	**12.8 J**	*8.4 J*	< 4.7	NA	**27.2**	< 4.7
Barium	µg/L	2000	400	182	NA	184	368	160	NA	*703*	*482*
Cadmium	µg/L	5	0.5	< 0.33	NA	< 0.33	< 0.33	< 0.33	NA	< 0.33	0.40 J
Chromium	µg/L	100	10	< 2.0	NA	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0
Lead	µg/L	15	1.5	*2.1 J*	NA	< 1.7	*2.1 J*	< 1.7	NA	*2.0 J*	< 1.7
Mercury	µg/L	2	0.2	< 0.10	NA	< 0.10	< 0.10	< 0.10	NA	< 0.10	< 0.10
Selenium	µg/L	50	10	< 6.5	NA	< 6.5	< 6.5	< 6.5	NA	< 6.5	< 6.5
Silver	µg/L	50	10	< 2.5	NA	< 2.5	< 2.5	< 2.5	NA	< 2.5	< 2.5
VOCs[(1)]											
1,2,4-Trimethylbenzene	µg/L	480	96	< 0.97	< 0.43	7.8	< 1.9	< 0.97	< 0.43	< 9.7	< 0.97
1,3,5-Trimethylbenzene	µg/L	480	96	< 0.83	< 0.40	3.4	2.0	< 0.83	< 0.40	9.0 J	< 0.83
Benzene	µg/L	5	0.5	< 0.41	< 0.39	**69.9**	**53.7**	< 0.41	< 0.39	**493**	< 0.41
Chloromethane	µg/L	30	3	1.8	NA	< 0.24	< 0.48	< 0.24	NA	< 2.4	< 0.24
cis-1,2-Dichloroethene	µg/L	70	7	< 0.83	NA	3.6	< 1.7	< 0.83	NA	< 8.3	< 0.83
Ethylbenzene	µg/L	700	140	< 0.54	< 0.41	2.6	62.7	< 0.54	< 0.41	*343*	< 0.54
Isopropylbenzene (cumene)	µg/L	--	--	< 0.59	NA	2.2	19.3	< 0.59	NA	16.8	< 0.59
m&p-Xylene	µg/L	10000	1000	< 1.8	< 0.87	7.9	< 3.6	< 1.8	< 0.87	36.4	< 1.8
Methyl-tert-butyl ether	µg/L	60	12	< 0.61	< 0.38	*21.9*	< 1.2	< 0.61	< 0.38	*16.5*	1.1
Naphthalene	µg/L	100	10	< 0.89	NA	8.1	**126**	< 0.89	NA	**133**	< 0.89
n-Butylbenzene	µg/L	--	--	< 0.93	NA	< 0.93	13.5	< 0.93	NA	14.3	< 0.93
n-Propylbenzene	µg/L	--	--	< 0.81	NA	4.2	49.6	< 0.81	NA	44.8	< 0.81
o-Xylene	µg/L	10000	1000	< 0.83	< 0.38	4.6	< 1.7	< 0.83	< 0.38	16.2	< 0.83
p-Isopropyltoluene	µg/L	--	--	< 0.67	NA	< 0.67	4.0	< 0.67	NA	< 6.7	< 0.67
sec-Butylbenzene	µg/L	--	--	< 0.89	NA	1.1 J	11.8	< 0.89	NA	9.9 J	< 0.89
Toluene	µg/L	1000	200	< 0.67	0.51 J	4.5	< 1.3	0.72 J	0.62 J	8.4 J	< 0.67
Well Information											
Well Depth	Feet bgs			10	15	15	15	10	15	15	15
Depth to Water	Feet bgs			6.1	8.1	10.2	6.8	3.6	4.2	3.2	5.2

Notes:

Created By: M. Westover, 7/12/12

Checked By: T. O'Connell, 7/13/12

Only analytes that were detected in at least one sample are listed in the above table.

ES = NR 140 Enforcement Standard; analytical results that exceed the ES are shown in bold font.

PAL = NR 140 Preventative Action Limit; analytical results that exceed the PAL are shown in italics.

NA = not analyzed.

J = estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

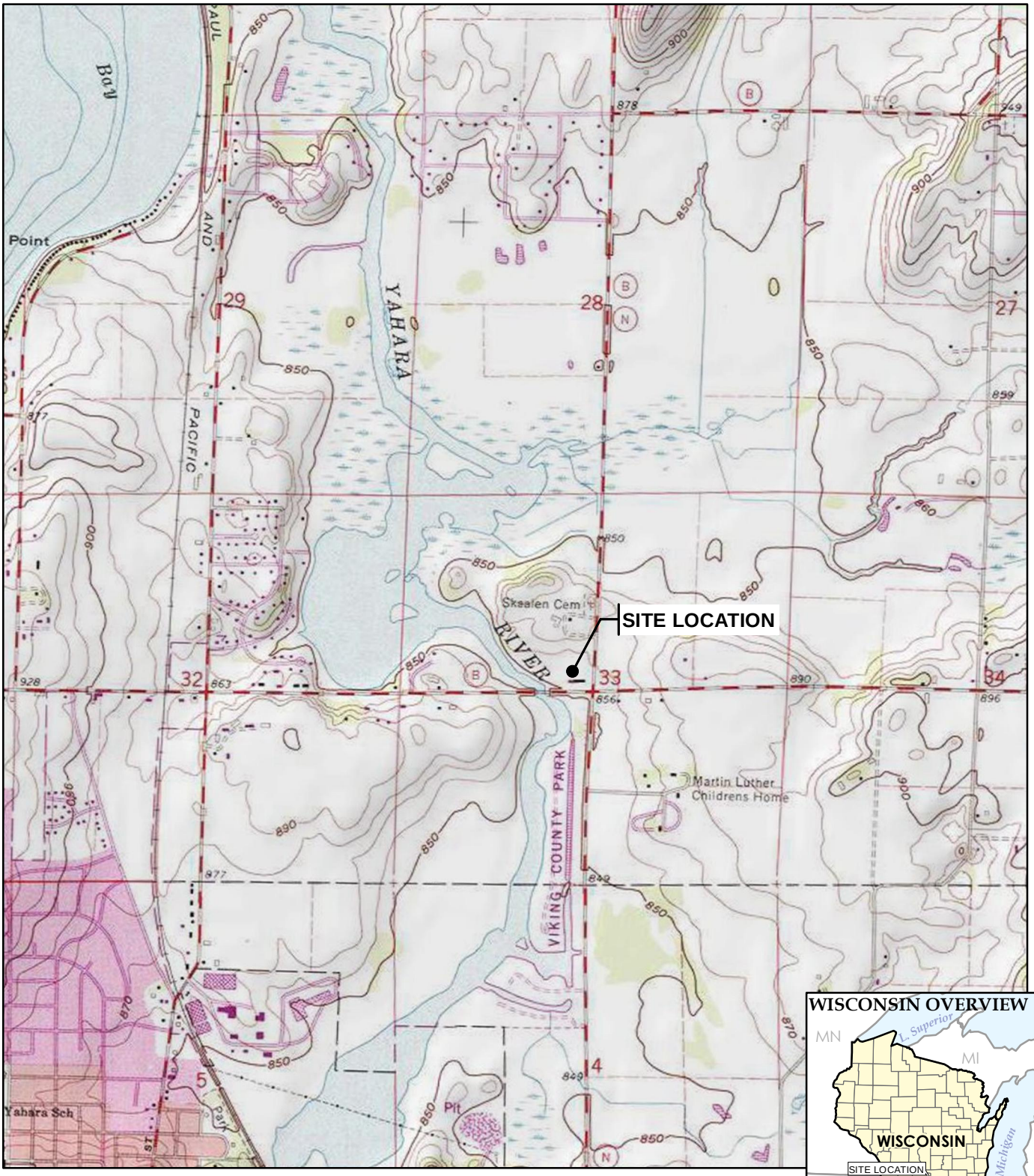
-- = suggested ES or PAL has not been established for this analyte.

Footnotes:

(1) Groundwater samples collected were analyzed for the WI Modified GRO list or the WI LUST 8260 list for VOCs. Only those analytes that were detected are listed.

Printed By: jpapez on 8/17/2012, 10:20:02 AM

TRC - GIS



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.

N

1 " = 2,000 '
1:24,000

0 2,000 4,000 FEET

TRC
708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

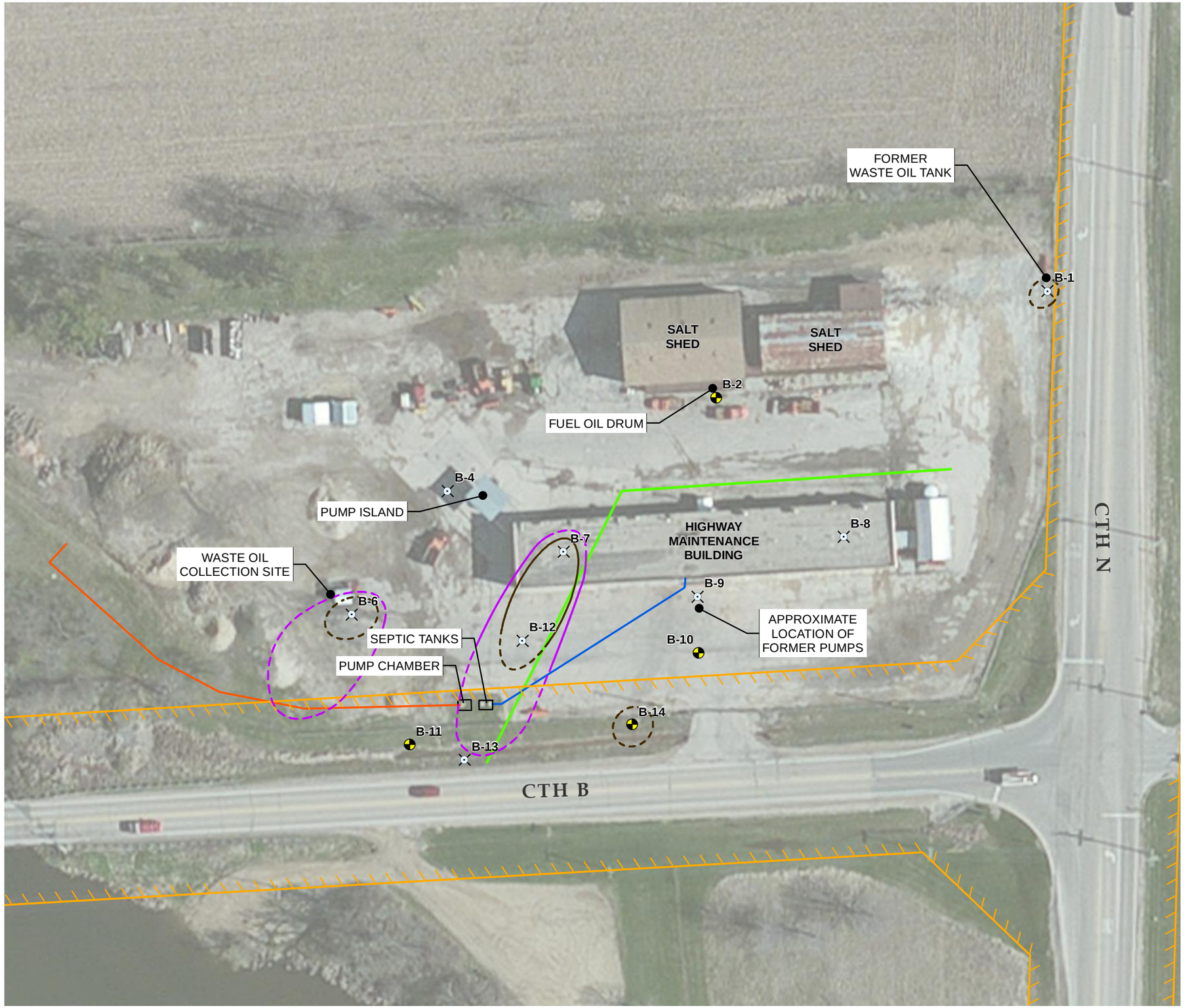
WISDOT ID# 5845-06-02
DANE COUNTY GARAGE
STOUGHTON, WISCONSIN

SITE LOCATION MAP

DRAWN BY:	PAPEZ J
APPROVED BY:	HAAK D
PROJECT NO:	194517
FILE NO.	194517.003.slm.mxd
DATE:	AUGUST 2012

FIGURE 1

E:\WI_DOT\2012_194517\194517.003.slm.mxd



LEGEND

- PROPOSED SOIL BORING
- PROPOSED SOIL BORING / TEMPORARY WELL
- APPROXIMATE RIGHT-OF-WAY LINE
- FORCE MAIN
- SANITARY SEWER
- STORM SEWER
- SOIL CONTAMINATION EXCEEDING NR 720 GENERIC RCLs (DASHED WHERE INFERRED)
- GROUNDWATER CONTAMINATION EXCEEDING NR 140 PAL/ES (DASHED WHERE INFERRED)

NOTES

1. BASE MAP IMAGERY FROM "BING MAPS AERIAL" WEB-BASEMAP SERVICE.
2. SITE FEATURES SHOWN ON MAP ARE APPROXIMATE.
3. SOIL BORINGS B-3 AND B-5 WERE NOT PERFORMED DUE TO CONDITIONS OBSERVED IN THE FIELD.

N

0 60 120 Feet

1 " = 60 '

1:720

PROJECT:

WISDOT ID# 5845-06-02
DANE COUNTY GARAGE
STOUGHTON, WISCONSIN

SHEET TITLE:

SITE LAYOUT / AREAS OF CONTAMINATION

DRAWN BY:	PAPEZ J	SCALE:	PROJ. NO. 194517
CHECKED BY:	OCONNELL T	1: 720	FILE NO. 194517.002.mxd
APPROVED BY:	HAAK D	DATE PRINTED:	**FIGURE 2**
DATE:	AUGUST 2012		

TRC

708 Heartland Trail, Suite 3000
Madison, WI 53717
Phone: 608.826.3600
www.trcsolutions.com

Printed By: JPAPEZ on 8/16/2012, 03:54:23 PM
Path: E:\WI_DOT\2012_194517\194517.002.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0Degrees
TRC - GIS

Appendix A
Site Photographs

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation	Dane County Highway Garage	194517.0000.0000

Photo No.	Date
001	6/20/12

Description
DCHG fence and drainage ditch along CTH B, looking west.

Photo No.	Date
002	6/20/12

Description
Boring B1 location (former waste oil collection site). Looking north.

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation	Dane County Highway Garage	194517.0000.0000

Photo No.	Date
003	6/20/12

Description
Boring B2 location, on the south side of the salt shed.

Photo No.	Date
004	6/20/12

Description
The current fuel dispensers/UST located off the northwest corner of the highway maintenance building.

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation	Dane County Highway Garage	194517.0000.0000

Photo No.	Date
005	6/20/12

Description
Pump island and USTs.

Photo No.	Date
006	6/20/12

Description
Current waste oil collection site, looking southwest.

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation	Dane County Highway Garage	194517.0000.0000

Photo No.	Date
007	6/20/12

Description
Current waste oil collection site, looking west.

Photo No.	Date
008	6/20/12

Description
Current waste oil collection site, looking north.

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	Dane County Highway Garage	194517.0000.0000

Photo No.	Date
009	6/20/12

Description
The southern parking lot area and main entrance gate, looking east.

Photo No.	Date
010	6/20/12

Description
Staining visible on the parking lot surface, looking north at the highway maintenance building.

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation	Dane County Highway Garage	194517.0000.0000

Photo No.	Date
011	6/20/12

Description
Spill observed in front of the highway maintenance building.

Photo No.	Date
012	6/20/12

Description
Temporary monitoring well located in the west end of the highway maintenance facility, adjacent to the floor drain.

Appendix B
Waste Inventory Record

Note: Waste inventory includes laboratory results found in Appendix D.

NON-HAZARDOUS WASTE INVENTORY RECORD

Wisconsin Department of Transportation
DT1229 3/2006
(For use with DT1208)

DTSD Regions and Offices				
Southeast	Southwest	Northwest	North Central	Northeast
☐ Milwaukee	☒ Madison	☐ Eau Claire	☐ Rhinelander	☐ Green Bay
	☐ LaCrosse	☐ Spooner	☐ WI Rapids	

WIDOT Project ID 5845-06-02
Site Name Dane County Highway Garage (2520 CTH B)
County Dane
Highway and Termini US 51
Consultant Company TRC Environmental
Consultant Contact Ted O'Connell
Contact Area Code – Telephone 608.826.3648
Consultant ID for this Site 194517.0000.0000
Generation Date (mm/dd/yyyy) 6/20/2012

Phase of Investigation: ☐ 2 ☐ 2.5 ☒ 3 ☐ 4

CONTAINER ID#	CONTAINER SIZE AND TYPE	VOLUME gallons lbs.	SOURCE tank well boring	CONTENTS soil water other Describe
1 of 2	5-gallon bucket	5 gallons	Borings	Soil
2 of 2	5-gallon bucket	5 gallons	Borings	Soil

Container Location: Attach map or provide site sketch on reverse

Submit one copy of this form:

To each of the following:

* DOT BEES Hazardous Materials Specialist, Room 451, PO Box 7965, Madison, WI 53707-7965
  FAX: 608-266-7818;
  E-mail: sharlene.tebeest@dot.state.wi.us .

* Regional Environmental Coordinator or Hazmat Coordinator. For coordinator list, see link in Facilities Development Manual procedure 21-35-35.

* HazWaste Contractor. For contact list, see link in Facilities Development Manual procedure 21-35-35.
  Include required analytical results.

* As the final appendix in the report for this site.

Appendix C
Soil Boring Logs and Borehole Abandonment Form

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Dane County Highway Garage (2520 CTH B)		B1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental Services	6/20/2012	6/20/2012	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 344,124 N, 2,182,375 E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 / 30		0	**ASPHALT.**										
			1.5	**POORLY GRADED SAND WITH GRAVEL (SP)**, medium grained, small to large gravel, tan, no odor, moist.	SP			<1						Soil sample collected from 2.5-5.0 feet bgs.
			3.0	**CLAY (CL)**, plastic, dark grey brown, organic odor, moist, moderately stiff.	CL			<1						
			4.5											
2 GP	60 / 42		6.0	**POORLY GRADED SAND (SP)**, fine to medium grained, brown - medium brown, wet, no odor.	SP		▼	<1						
			7.5					<1						
			9.0											
				E.O.B. at 10 feet bgs. Temporary well set, screened from 5-10 feet bgs.										

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

Signature	Firm	Tel: 608.826.3600
	TRC Environmental Corporation 708 Heartland Trail Madison WI 53717	Fax: 608.826.3941

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Dane County Highway Garage (2520 CTH B)		B2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental Services	6/20/2012	6/20/2012	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 344,060 N, 2,182,175 E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 30		0	**ASPHALT.**										
			1.5	**POORLY GRADED SAND WITH GRAVEL (SP)**, medium grained, small to large gravel, slight odor, moist.	SP			15.4						Soil sample collected from 0-2.5 feet bgs.
			3.0											
			4.5	**CLAY (CL)**, plastic, dark brown to grey, slight odor, moist.				1.4						
2 GP	60 48			As above, grey.	CL			2.7						
			6.0											
			7.5	As above, brown.				<1						
			9.0	**POORLY GRADED SAND (SP)**, fine to medium grained, brown, no odor, very wet.	SP									
3 GP	60 60		10.5											
			12.0					<1						
			13.5	**CLAY (CL)**, plastic, light brown, no odor, wet, stiff.	CL			<1						
			15.0	E.O.B. at 15 feet bgs.										

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

Signature	Firm	Tel: 608.826.3600
	TRC Environmental Corporation 708 Heartland Trail Madison WI 53717	Fax: 608.826.3941

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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

WDNR SBL 1998 WISDOT 194517.GPJ WI DNR 2003.GDT 8/13/12

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Dane County Highway Garage (2520 CTH B)		B4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental Services	6/20/2012	6/20/2012	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 344,003 N, 2,182,013 E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 30		0	**ASPHALT.**										
			1.5	**POORLY GRADED SAND WITH GRAVEL (SP)**, fine to medium grained, small to large gravel, tan, no odor, moist.				2.7						
			3.0											
			4.5		SP			1.1						
2 GP	60 60		6.0					<1						Soil sample colleted from 5-7.5 feet bgs.
			7.5				▼	<1						
			9.0	**WELL GRADED GRAVEL WITH SAND (GW)**, small to large gravel, subround - round, fine to medium grained sand, tan, no odor, moist.	GW									
3 GP	60 60		10.5	**CLAY (CL)**, plastic, brown, no odor, moist, stiff - moderately stiff.										
			12.0	As above with thin interbedded, very fine grained sand layers.	CL			<1						
			13.5					<1						
			15.0	E.O.B. at 15 feet bgs. Temporary well set, sceened from 5 - 15 feet bgs.										

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

Signature	Firm	Tel:
	TRC Environmental Corporation 708 Heartland Trail Madison WI 53717	608.826.3600 Fax: 608.826.3941

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Dane County Highway Garage (2520 CTH B)		B6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental Services	6/20/2012	6/20/2012	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 343,929 N, 2,181,954 E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 / 36		0	**ASPHALT.**										
			1.5	**POORLY GRADED SAND WITH GRAVEL (SP)**, fine to medium grained, small to large gravel, slight odor, moist.	SP			255						Soil sample collected from 0-2.5 feet bgs.
			3.0											
			4.5					232						
2 GP	60 / 60		6.0	**CLAY (CL)**, plastic, grey brown, odor, stiff.				16.5						
			7.5		CL									
			9.0					72.3						Soil sample collected from 7.5-10 feet bgs.
3 GP	60 / 60		10.5	**WELL GRADED SAND (SW)**, fine to coarse grained sand, tan, odor, wet.			▼							
			12.0		SW			9.5						
			13.5					2.1						
			15.0	E.O.B. at 15 feet bgs. Temporary well set, screened from 5-10 feet bgs.										

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

Signature	Firm	Tel: 608.826.3600
	TRC Environmental Corporation 708 Heartland Trail Madison WI 53717	Fax: 608.826.3941

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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

WDNR SBL 1998 WISDOT 194517.GPJ WI DNR 2003.GDT 8/13/12

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Dane County Highway Garage (2520 CTH B)		B7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental Services	6/20/2012	6/20/2012	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 343,967 N, 2,182,082 E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 36		0	**CONCRETE.**										
			1.5	**POORLY GRADED SAND WITH GRAVEL (SP)**, medium grained, small to medium gravel, no odor, moist.	SP			5.1						
			3.0	**SILTY CLAY (CL-ML)**, plastic, dark brown, no odor, mosit, stiff.				<1						
			4.5											
2 GP	60 48		6.0	As above, medium brown, slight odor, staining present, moist. As above, less plastic, brown with grey staining, odor, moist.	CL-ML		▼	83.5 483.9						Soil sample collected from 6-7 feet bgs.
			7.5	**POORLY GRADED SAND (SP)**, fine grained, brown, slight odor, wet.				339						
			9.0		SP									
3 GP	60 48		10.5	As above, no odor.				12.1						
			12.0	**CLAY (CL)**, plastic, light brown grey, no odor, wet, moderately stiff.				<1						
			13.5		CL			<1						
			15.0	E.O.B. at 15 feet bgs. Temporary well set, screened from 5-15 feet bgs.										

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

Signature	Firm	Tel: 608.826.3600
	TRC Environmental Corporation 708 Heartland Trail Madison WI 53717	Fax: 608.826.3941

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Dane County Highway Garage (2520 CTH B)		B8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental Services	6/20/2012	6/20/2012	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 343,976 N, 2,182,252 E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 / 36		0	**CONCRETE.**										
			1.5	**POORLY GRADED SAND WITH GRAVEL (SP)**, medium grained, small to large gravel, brown - medium brown, no odor, moist.	SP		▼	<1						Soil sample collected from 2.5-3.5 feet bgs.
			3.0											
			4.5	**WELL GRADED SAND WITH GRAVEL (SW)**, fine to medium grained, medium brown to tan, no odor, wet.				<1						
2 GP	60 / 48		6.0		SW			<1						
			7.5					<1						
			9.0											
				CLAY (CL), plastic, brown, no odor, wet, stiff.	CL									
				E.O.B. at 10 feet bgs. Temporary well set, screened from 5-10 feet bgs.										

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

Signature	Firm	Tel: 608.826.3600
	TRC Environmental Corporation 708 Heartland Trail Madison WI 53717	Fax: 608.826.3941

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WDNR SBL 1998 WISDOT 194517.GPJ WI DNR 2003.GDT 8/13/12

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Dane County Highway Garage (2520 CTH B)		B9

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental Services	6/20/2012	6/20/2012	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 343,940 N, 2,182,163 E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 36		0 1.5 3.0	**ASPHALT.** **POORLY GRADED SAND WITH GRAVEL (SP)**, medium grained, small to large gravel, medium brown - tan, no odor, moist.	SP			<1						
			4.5	**POORLY GRADED SAND (SP)**, medium grained, no odor, brown, wet.			▼	4.0						Soil sample collected from 2.5-3.5 feet bgs.
2 GP	60 30		6.0 7.5		SP			7.0 1.4						
3 GP	60 60		9.0 10.5											
			12.0	**CLAY (CL)**, plastic, brown - light grey, no odor, wet, stiff.	CL			1.6						
			13.5					1.9						
			15.0	E.O.B. at 15 feet bgs. Temporary well set, screened from 5-10 feet bgs.										

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

Signature	Firm	Tel:
	TRC Environmental Corporation 708 Heartland Trail Madison WI 53717	608.826.3600 Fax: 608.826.3941

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Dane County Highway Garage (2520 CTH B)		B10

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental Services	6/20/2012	6/20/2012	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 343,906 N, 2,182,164 E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 42		0	**ASPHALT.**										
			1.5	**POORLY GRADED SAND WITH GRAVEL (SP)**, fine to medium grained, small to large gravel, no odor, moist.	SP			4.2						Soil sample collected from 0-2.5 feet bgs.
			3.0											
			4.5	**SILT (ML)**, non-plastic, dark brown to black, organic odor, moist, soft.	ML			1.2						
2 GP	60 60		6.0	**CLAY (CL)**, slightly plastic, brown with grey mottling, no odor, moist, stiff.										
				As above, with sand, medium grained, brown grey, no odor, wet, soft.	CL			<1						
			7.5					<1						
			9.0	**POORLY GRADED SAND (SP)**, medium grained - gradding to fine, brown to light brown, no odor, wet.										
3 GP	60 60		10.5	As above, with thin interbedded silt layers, light tan to gray.	SP			<1						
			12.0											
			13.5					<1						
			15.0	E.O.B. at 15 feet bgs.										

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

Signature	Firm	Tel: 608.826.3600
	TRC Environmental Corporation 708 Heartland Trail Madison WI 53717	Fax: 608.826.3941

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Dane County Highway Garage (2520 CTH B)		B12

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental Services	6/20/2012	6/20/2012	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 343,913 N, 2,182,058 E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 36		0	**ASPHALT.**										
			1.5	**POORLY GRADED SAND WITH GRAVEL (SP)**, medium grained, small to large gravel, medium brown, slight odor, moist.	SP			<1						
			3.0	**CLAY (CL)**, plastic, dark brown, strong odors, moist, stiff.	CL		▼	392						
2 GP	60 60		4.5											
			6.0	**POORLY GRADED SAND (SP)**, fine grained, brown grey, slight odor, wet.	SP			407						
			7.5	**CLAY (CL)**, plastic, medium brown tan, slight odor, moist.	CL									
			9.0	**POORLY GRADED SAND (SP)**, fine grained, tan, no odor, wet.	SP			2.2						
				CLAY (CL), plastic, medium brown tan, slight odor, moist.										
3 GP	60 60		10.5	As above, brown grey.										
			12.0		CL			1.5						
			13.5					<1						
			15.0	E.O.B. at 15 feet bgs. Temporary well set, screened from 5-15 feet bgs. No soil sample collected, boring field screened only for contamination.										

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

Signature	Firm	Tel: 608.826.3600
	TRC Environmental Corporation 708 Heartland Trail Madison WI 53717	Fax: 608.826.3941

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Dane County Highway Garage (2520 CTH B)		B13

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental Services	6/20/2012	6/20/2012	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 343,842 N, 2,182,023 E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 / 30		0 – 1.5	**POORLY GRADED SAND WITH GRAVEL (SP)**, medium grained, small to large gravel, tan - brown, no odor, moist.	SP			<1						
			1.5 – 3.0											
			3.0 – 4.5	**CLAY (CL)**, plastic, dark grey brown, organic odor, moist, stiff.	CL			<1						
2 GP	60 / 42		4.5 – 6.0	**POORLY GRADED SAND (SP)**, medium grained, tan - brown, no odor, wet.	SP		▼	<1						
			6.0 – 7.5											
			7.5 – 9.0	**CLAY (CL)**, plastic, medium brown, no odor, moist, stiff.				<1						
			9.0 – 10.5											
3 GP	60 / 42		10.5 – 12.0		CL			<1						
			12.0 – 13.5											
			13.5 – 15.0					<1						
			15.0	E.O.B. at 15 feet bgs. Temporary well set, screened from 5-15 feet bgs. No soil sample collected.										

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

Signature	Firm	
	TRC Environmental Corporation 708 Heartland Trail Madison WI 53717	Tel: 608.826.3600 Fax: 608.826.3941

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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.

☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County: DANE
WI Unique Well # of Removed Well: ____
Hicap #:
Latitude / Longitude (Degrees and Minutes): 42 ° 56 27 'N; 89 ° 12 9 'W
Method Code (see instructions): GPS006
¼ / ¼: ¼: Section: Township: N Range: ☐ E ☐ W
or Gov't Lot #:
Well Street Address: 2520 CTH B
Well City, Village or Town: STOUGHTON
Well ZIP Code:
Subdivision Name:
Lot #:
Reason For Removal From Service: SOIL BORING/TEMP WELL
WI Unique Well # of Replacement Well: ____

2. Facility / Owner Information

Facility Name: DANE COUNTY HIGHWAY GARAGE
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: DANE COUNTY HIGHWAY DEPT.
Mailing Address of Present Owner: 2302 FISH HATCHERY ROAD
City of Present Owner: MADISON State: WI ZIP Code: 53713

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 6/20/12
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 Ground Surface (ft.): 15'
Casing Diameter (in.): NA
Lower Drillhole Diameter (in.): 2.125
Casing Depth (ft.): NA
Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet): ~3-10' bgs

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

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

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

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

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Chipped (3/8") BENTONITE	Surface	15'	.5	

6. Comments

FOR BORINGS B1, B2, B4, B6, B7, B8, B9, B10, B12, B13

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: On-Site Env
License #:
Date of Filling & Sealing (mm/dd/yyyy): 6/20/12
Street or Route: P.O. Box 286
Telephone Number: (608) 837-8992
City: Sun Prairie State: WI ZIP Code: 53590
Signature of Person Doing Work: Tony Kapugi (TRC) [signature]
Date Signed: 8/17/12

DNR Use Only
Date Received: Noted By:
Comments:

Appendix D
Analytical Results

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

July 09, 2012

TED O'CONNELL
TRC - MADISON
744 HEARTLAND TRAIL
Madison, WI 53717

RE: Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Dear TED O'CONNELL:
Enclosed are the analytical results for sample(s) received by the laboratory on June 22, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tod Noltemeyer

Tod Noltemeyer

tod.noltemeyer@pacelabs.com
Project Manager

Enclosures

cc: DAN HAAK, TRC - MADISON

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4062358001	**B1-2.5-5.0**	Solid	06/20/12 13:30	06/22/12 10:55
4062358002	**B2-0-2.5**	Solid	06/20/12 12:55	06/22/12 10:55
4062358003	**B4-5-7.5**	Solid	06/20/12 11:50	06/22/12 10:55
4062358004	**B6-0-2.5**	Solid	06/20/12 10:30	06/22/12 10:55
4062358005	**B6-7.5-10**	Solid	06/20/12 10:45	06/22/12 10:55
4062358006	**B7-6.0-7.0**	Solid	06/20/12 08:40	06/22/12 10:55
4062358007	**B8-2.5-3.5**	Solid	06/20/12 09:10	06/22/12 10:55
4062358008	**B9-2.5-3.5**	Solid	06/20/12 09:30	06/22/12 10:55
4062358009	**B10-0-2.5**	Solid	06/20/12 10:00	06/22/12 10:55
4062358010	**B11-0-0.5**	Solid	06/20/12 08:00	06/22/12 10:55
4062358011	**B14-0-0.5**	Solid	06/21/12 10:00	06/22/12 10:55
4062358012	**B8**	Water	06/20/12 14:00	06/22/12 10:55
4062358013	**B7**	Water	06/20/12 14:15	06/22/12 10:55
4062358014	**B9**	Water	06/20/12 14:30	06/22/12 10:55
4062358015	**B12**	Water	06/20/12 14:45	06/22/12 10:55
4062358016	**B6**	Water	06/20/12 15:00	06/22/12 10:55
4062358017	**B4**	Water	06/20/12 15:15	06/22/12 10:55
4062358018	**B1**	Water	06/21/12 09:30	06/22/12 10:55
4062358019	**B13**	Water	06/21/12 01:10	06/22/12 10:55
4062358020	**TRIP BLANK**	Water	06/21/12 01:10	06/22/12 10:55

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4062358001	**B1-2.5-5.0**	EPA 8082	BDS	10
		WI MOD DRO	HMH	1
		WI MOD GRO	PMS	1
		EPA 6010	DLB	7
		EPA 7471	CMS	1
		EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
		ASTM D2974-87	SMA	1
4062358002	**B2-0-2.5**	WI MOD DRO	HMH	1
		EPA 8260	SMT	64
		ASTM D2974-87	SMA	1
4062358003	**B4-5-7.5**	WI MOD DRO	HMH	1
		WI MOD GRO	PMS	10
		ASTM D2974-87	SMA	1
4062358004	**B6-0-2.5**	EPA 8082	BDS	10
		WI MOD DRO	HMH	1
		WI MOD GRO	PMS	1
		EPA 6010	DLB	7
		EPA 7471	CMS	1
		EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
		ASTM D2974-87	SMA	1
4062358005	**B6-7.5-10**	EPA 8082	BDS	10
		WI MOD DRO	HMH	1
		WI MOD GRO	PMS	1
		EPA 6010	DLB	7
		EPA 7471	CMS	1
		EPA 8270 by SIM	ARO	20
		EPA 8260	SMT	64
		ASTM D2974-87	SMA	1
4062358006	**B7-6.0-7.0**	WI MOD DRO	HMH	1
		WI MOD GRO	PMS	1
		EPA 6010	DLB	7
		EPA 7471	CMS	1
		EPA 8260	SMT	64
		ASTM D2974-87	SMA	1
4062358007	**B8-2.5-3.5**	WI MOD DRO	HMH	1

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SAMPLE ANALYTE COUNT

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		WI MOD GRO	PMS	1
		EPA 6010	DLB	7
		EPA 7471	CMS	1
		EPA 8260	SMT	64
		ASTM D2974-87	SMA	1
4062358008	**B9-2.5-3.5**	WI MOD DRO	HMH	1
		WI MOD GRO	LCM	10
		ASTM D2974-87	SMA	1
4062358009	**B10-0-2.5**	WI MOD DRO	HMH	1
		WI MOD GRO	LCM	10
		ASTM D2974-87	SMA	1
4062358010	**B11-0-0.5**	EPA 6010	DLB	7
		EPA 7471	CMS	1
		EPA 8260	SMT	64
		ASTM D2974-87	AH	1
4062358011	**B14-0-0.5**	WI MOD DRO	HMH	1
		EPA 6010	DLB	7
		EPA 7471	CMS	1
		EPA 8260	SMT	64
		ASTM D2974-87	SMA	1
4062358012	**B8**	EPA 6010	DLB	7
		EPA 7470	CMS	1
		EPA 8260	HNW	64
4062358013	**B7**	EPA 6010	DLB	7
		EPA 7470	CMS	1
		EPA 8260	HNW	64
4062358014	**B9**	WI MOD GRO	PMS	9
4062358015	**B12**	EPA 6010	DLB	7
		EPA 7470	CMS	1
		EPA 8260	HNW	64
4062358016	**B6**	EPA 6010	DLB	7
		EPA 7470	CMS	1
		EPA 8260	HNW	64
4062358017	**B4**	WI MOD GRO	PMS	9
4062358018	**B1**	EPA 6010	DLB	7
		EPA 7470	CMS	1
		EPA 8260	HNW	64

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SAMPLE ANALYTE COUNT

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4062358019	**B13**	EPA 6010	DLB	7
		EPA 7470	CMS	1
		EPA 8260	HNW	64
4062358020	**TRIP BLANK**	EPA 8260	HNW	64

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PROJECT NARRATIVE

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Method: **EPA 8082**
Description: 8082 GCS PCB
Client: TRC - MADISON
Date: July 09, 2012

General Information:
3 samples were analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3541 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: TRC - MADISON
Date: July 09, 2012

General Information:
10 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: OEXT/14973

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCSD (Lab ID: 626557)
  - Diesel Range Organics

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: OEXT/14973

1q: The sample weight in the container did not meet method specifications. Sample was sub-sampled to meet method criteria.
- B9-2.5-3.5 (Lab ID: 4062358008)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: TRC - MADISON
Date: July 09, 2012

Analyte Comments:

QC Batch: OEXT/14973

T4: Result reported for hydrocarbons within the method-specific range that do not match pattern of laboratory standard.

- B1-2.5-5.0 (Lab ID: 4062358001)
  - Diesel Range Organics
- B10-0-2.5 (Lab ID: 4062358009)
  - Diesel Range Organics
- B14-0-0.5 (Lab ID: 4062358011)
  - Diesel Range Organics
- B2-0-2.5 (Lab ID: 4062358002)
  - Diesel Range Organics
- B4-5-7.5 (Lab ID: 4062358003)
  - Diesel Range Organics
- B6-0-2.5 (Lab ID: 4062358004)
  - Diesel Range Organics
- B6-7.5-10 (Lab ID: 4062358005)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: TRC - MADISON
Date: July 09, 2012

General Information:
10 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

pH: Post-analysis pH measurement indicates insufficient VOA sample preservation.
- B4 (Lab ID: 4062358017)
- B9 (Lab ID: 4062358014)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with TPH GRO/PVOC WI ext. with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: GCV/8574

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Method: **EPA 6010**
Description: 6010 MET ICP
Client: TRC - MADISON
Date: July 09, 2012

General Information:
7 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Method: **EPA 6010**
Description: 6010 MET ICP, Dissolved
Client: TRC - MADISON
Date: July 09, 2012

General Information:
6 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Method: **EPA 7470**
Description: 7470 Mercury, Dissolved
Client: TRC - MADISON
Date: July 09, 2012

General Information:
6 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Method: **EPA 7471**
Description: 7471 Mercury
Client: TRC - MADISON
Date: July 09, 2012

General Information:
7 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Method: **EPA 8270 by SIM**
Description: 8270 MSSV PAH by SIM
Client: TRC - MADISON
Date: July 09, 2012

General Information:
3 samples were analyzed for EPA 8270 by SIM. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Method: **EPA 8260**
Description: 8260 MSV Med Level Normal List
Client: TRC - MADISON
Date: July 09, 2012

General Information:
8 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/15666

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Method: **EPA 8260**
Description: 8260 MSV
Client: TRC - MADISON
Date: July 09, 2012

General Information:
7 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

pH: Post-analysis pH measurement indicates insufficient VOA sample preservation.
- B7 (Lab ID: 4062358013)
- B8 (Lab ID: 4062358012)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B1-2.5-5.0 **Lab ID: 4062358001** Collected: 06/20/12 13:30 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<27.9**	ug/kg	118	27.9	1	06/26/12 12:00	06/26/12 18:45	12674-11-2	
PCB-1221 (Aroclor 1221)	**<27.9**	ug/kg	118	27.9	1	06/26/12 12:00	06/26/12 18:45	11104-28-2	
PCB-1232 (Aroclor 1232)	**<27.9**	ug/kg	118	27.9	1	06/26/12 12:00	06/26/12 18:45	11141-16-5	
PCB-1242 (Aroclor 1242)	**<27.9**	ug/kg	118	27.9	1	06/26/12 12:00	06/26/12 18:45	53469-21-9	
PCB-1248 (Aroclor 1248)	**<27.9**	ug/kg	118	27.9	1	06/26/12 12:00	06/26/12 18:45	12672-29-6	
PCB-1254 (Aroclor 1254)	**<27.9**	ug/kg	118	27.9	1	06/26/12 12:00	06/26/12 18:45	11097-69-1	
PCB-1260 (Aroclor 1260)	**<27.9**	ug/kg	118	27.9	1	06/26/12 12:00	06/26/12 18:45	11096-82-5	
PCB, Total	**<27.9**	ug/kg	118	27.9	1	06/26/12 12:00	06/26/12 18:45	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	95	%.	43-130		1	06/26/12 12:00	06/26/12 18:45	877-09-8	
Decachlorobiphenyl (S)	91	%.	48-130		1	06/26/12 12:00	06/26/12 18:45	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**3.0**	mg/kg	2.0	0.97	1	06/26/12 07:04	06/26/12 14:01		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	**<3.0**	mg/kg	3.0	3.0	1	06/26/12 07:52	06/26/12 23:47		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**6.3**	mg/kg	2.1	0.39	1	06/26/12 13:45	06/27/12 14:20	7440-38-2	
Barium	**77.1**	mg/kg	0.54	0.032	1	06/26/12 13:45	06/27/12 14:20	7440-39-3	
Cadmium	**0.077J**	mg/kg	0.54	0.033	1	06/26/12 13:45	06/27/12 14:20	7440-43-9	
Chromium	**26.3**	mg/kg	0.54	0.11	1	06/26/12 13:45	06/27/12 14:20	7440-47-3	
Lead	**10.3**	mg/kg	1.1	0.27	1	06/26/12 13:45	06/27/12 14:20	7439-92-1	
Selenium	**<0.52**	mg/kg	2.1	0.52	1	06/26/12 13:45	06/27/12 14:20	7782-49-2	
Silver	**<0.24**	mg/kg	1.1	0.24	1	06/26/12 13:45	06/27/12 14:20	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.044**	mg/kg	0.0078	0.0039	1	06/26/12 11:30	06/27/12 14:10	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**464**	ug/kg	315	157	8	06/26/12 07:14	06/27/12 13:53	83-32-9	
Acenaphthylene	**196J**	ug/kg	315	157	8	06/26/12 07:14	06/27/12 13:53	208-96-8	
Anthracene	**579**	ug/kg	315	32.2	8	06/26/12 07:14	06/27/12 13:53	120-12-7	
Benzo(a)anthracene	**829**	ug/kg	315	157	8	06/26/12 07:14	06/27/12 13:53	56-55-3	
Benzo(a)pyrene	**847**	ug/kg	315	157	8	06/26/12 07:14	06/27/12 13:53	50-32-8	
Benzo(b)fluoranthene	**603**	ug/kg	315	45.4	8	06/26/12 07:14	06/27/12 13:53	205-99-2	
Benzo(g,h,i)perylene	**358**	ug/kg	315	157	8	06/26/12 07:14	06/27/12 13:53	191-24-2	
Benzo(k)fluoranthene	**671**	ug/kg	315	157	8	06/26/12 07:14	06/27/12 13:53	207-08-9	
Chrysene	**820**	ug/kg	315	35.8	8	06/26/12 07:14	06/27/12 13:53	218-01-9	
Dibenz(a,h)anthracene	**<157**	ug/kg	315	157	8	06/26/12 07:14	06/27/12 13:53	53-70-3	
Fluoranthene	**955**	ug/kg	315	157	8	06/26/12 07:14	06/27/12 13:53	206-44-0	
Fluorene	**532**	ug/kg	315	157	8	06/26/12 07:14	06/27/12 13:53	86-73-7	
Indeno(1,2,3-cd)pyrene	**219J**	ug/kg	315	157	8	06/26/12 07:14	06/27/12 13:53	193-39-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B1-2.5-5.0 **Lab ID: 4062358001** Collected: 06/20/12 13:30 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
1-Methylnaphthalene	**3250**	ug/kg	315	144	8	06/26/12 07:14	06/27/12 13:53	90-12-0	
2-Methylnaphthalene	**4810**	ug/kg	315	29.5	8	06/26/12 07:14	06/27/12 13:53	91-57-6	
Naphthalene	**1490**	ug/kg	315	59.3	8	06/26/12 07:14	06/27/12 13:53	91-20-3	
Phenanthrene	**1490**	ug/kg	315	40.2	8	06/26/12 07:14	06/27/12 13:53	85-01-8	
Pyrene	**1300**	ug/kg	315	157	8	06/26/12 07:14	06/27/12 13:53	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	88	%.	43-130		8	06/26/12 07:14	06/27/12 13:53	321-60-8	
Terphenyl-d14 (S)	75	%.	32-130		8	06/26/12 07:14	06/27/12 13:53	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	06/26/12 13:43	06/27/12 12:24	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	06/26/12 13:43	06/27/12 12:24	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	06/26/12 13:43	06/27/12 12:24	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	06/26/12 13:43	06/27/12 12:24	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	10061-02-6	W

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B1-2.5-5.0 **Lab ID: 4062358001** Collected: 06/20/12 13:30 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	06/26/12 13:43	06/27/12 12:24	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/26/12 13:43	06/27/12 12:24	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:24	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%.	57-149		1	06/26/12 13:43	06/27/12 12:24	1868-53-7	
Toluene-d8 (S)	103	%.	55-152		1	06/26/12 13:43	06/27/12 12:24	2037-26-5	
4-Bromofluorobenzene (S)	91	%.	40-139		1	06/26/12 13:43	06/27/12 12:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.3**	%	0.10	0.10	1		07/05/12 15:02		

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B2-0-2.5 **Lab ID: 4062358002** Collected: 06/20/12 12:55 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**69.7**	mg/kg	3.3	1.7	2	06/26/12 07:04	06/26/12 14:24		L2,T4
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	06/26/12 13:43	06/27/12 12:47	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	06/26/12 13:43	06/27/12 12:47	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	06/26/12 13:43	06/27/12 12:47	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	06/26/12 13:43	06/27/12 12:47	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	06/26/12 13:43	06/27/12 12:47	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	1634-04-4	W

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B2-0-2.5 **Lab ID: 4062358002** Collected: 06/20/12 12:55 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Naphthalene	**28.3J**	ug/kg	62.9	26.2	1	06/26/12 13:43	06/27/12 12:47	91-20-3	
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/26/12 13:43	06/27/12 12:47	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 12:47	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%.	57-149		1	06/26/12 13:43	06/27/12 12:47	1868-53-7	
Toluene-d8 (S)	109	%.	55-152		1	06/26/12 13:43	06/27/12 12:47	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	40-139		1	06/26/12 13:43	06/27/12 12:47	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.6**	%	0.10	0.10	1		07/05/12 15:02		

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B4-5-7.5 **Lab ID: 4062358003** Collected: 06/20/12 11:50 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**1.4J**	mg/kg	1.8	0.88	1	06/26/12 07:04	06/26/12 14:07		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 07:52	06/27/12 09:11	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 07:52	06/27/12 09:11	100-41-4	W
Gasoline Range Organics	**<2.6**	mg/kg	2.6	2.6	1	06/26/12 07:52	06/27/12 09:11		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 07:52	06/27/12 09:11	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 07:52	06/27/12 09:11	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 07:52	06/27/12 09:11	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 07:52	06/27/12 09:11	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/26/12 07:52	06/27/12 09:11	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 07:52	06/27/12 09:11	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%.	80-120		1	06/26/12 07:52	06/27/12 09:11	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.5**	%	0.10	0.10	1		07/05/12 15:02		

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B6-0-2.5 **Lab ID: 4062358004** Collected: 06/20/12 10:30 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<27.1**	ug/kg	115	27.1	1	06/26/12 12:00	06/26/12 19:03	12674-11-2	
PCB-1221 (Aroclor 1221)	**<27.1**	ug/kg	115	27.1	1	06/26/12 12:00	06/26/12 19:03	11104-28-2	
PCB-1232 (Aroclor 1232)	**<27.1**	ug/kg	115	27.1	1	06/26/12 12:00	06/26/12 19:03	11141-16-5	
PCB-1242 (Aroclor 1242)	**<27.1**	ug/kg	115	27.1	1	06/26/12 12:00	06/26/12 19:03	53469-21-9	
PCB-1248 (Aroclor 1248)	**<27.1**	ug/kg	115	27.1	1	06/26/12 12:00	06/26/12 19:03	12672-29-6	
PCB-1254 (Aroclor 1254)	**<27.1**	ug/kg	115	27.1	1	06/26/12 12:00	06/26/12 19:03	11097-69-1	
PCB-1260 (Aroclor 1260)	**<27.1**	ug/kg	115	27.1	1	06/26/12 12:00	06/26/12 19:03	11096-82-5	
PCB, Total	**<27.1**	ug/kg	115	27.1	1	06/26/12 12:00	06/26/12 19:03	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	90	%.	43-130		1	06/26/12 12:00	06/26/12 19:03	877-09-8	
Decachlorobiphenyl (S)	82	%.	48-130		1	06/26/12 12:00	06/26/12 19:03	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**14000**	mg/kg	453	225	100	06/26/12 07:04	06/26/12 14:30		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	**168**	mg/kg	11.5	11.5	4	06/26/12 07:52	06/27/12 06:37		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.7**	mg/kg	2.2	0.40	1	06/26/12 13:45	06/27/12 14:22	7440-38-2	
Barium	**45.8**	mg/kg	0.55	0.033	1	06/26/12 13:45	06/27/12 14:22	7440-39-3	
Cadmium	**0.33J**	mg/kg	0.55	0.034	1	06/26/12 13:45	06/27/12 14:22	7440-43-9	
Chromium	**7.4**	mg/kg	0.55	0.11	1	06/26/12 13:45	06/27/12 14:22	7440-47-3	
Lead	**13.3**	mg/kg	1.1	0.28	1	06/26/12 13:45	06/27/12 14:22	7439-92-1	
Selenium	**<0.53**	mg/kg	2.2	0.53	1	06/26/12 13:45	06/27/12 14:22	7782-49-2	
Silver	**<0.24**	mg/kg	1.1	0.24	1	06/26/12 13:45	06/27/12 14:22	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0068**	mg/kg	0.0067	0.0034	1	06/26/12 11:30	06/27/12 14:16	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**19.5**	ug/kg	19.1	9.6	1	06/26/12 07:14	06/26/12 13:45	83-32-9	
Acenaphthylene	**<9.6**	ug/kg	19.1	9.6	1	06/26/12 07:14	06/26/12 13:45	208-96-8	
Anthracene	**10.2J**	ug/kg	19.1	2.0	1	06/26/12 07:14	06/26/12 13:45	120-12-7	
Benzo(a)anthracene	**<9.6**	ug/kg	19.1	9.6	1	06/26/12 07:14	06/26/12 13:45	56-55-3	
Benzo(a)pyrene	**<9.6**	ug/kg	19.1	9.6	1	06/26/12 07:14	06/26/12 13:45	50-32-8	
Benzo(b)fluoranthene	**<2.8**	ug/kg	19.1	2.8	1	06/26/12 07:14	06/26/12 13:45	205-99-2	
Benzo(g,h,i)perylene	**<9.6**	ug/kg	19.1	9.6	1	06/26/12 07:14	06/26/12 13:45	191-24-2	
Benzo(k)fluoranthene	**<9.6**	ug/kg	19.1	9.6	1	06/26/12 07:14	06/26/12 13:45	207-08-9	
Chrysene	**<2.2**	ug/kg	19.1	2.2	1	06/26/12 07:14	06/26/12 13:45	218-01-9	
Dibenz(a,h)anthracene	**<9.6**	ug/kg	19.1	9.6	1	06/26/12 07:14	06/26/12 13:45	53-70-3	
Fluoranthene	**<9.6**	ug/kg	19.1	9.6	1	06/26/12 07:14	06/26/12 13:45	206-44-0	
Fluorene	**28.9**	ug/kg	19.1	9.6	1	06/26/12 07:14	06/26/12 13:45	86-73-7	
Indeno(1,2,3-cd)pyrene	**<9.6**	ug/kg	19.1	9.6	1	06/26/12 07:14	06/26/12 13:45	193-39-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B6-0-2.5 **Lab ID: 4062358004** Collected: 06/20/12 10:30 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
1-Methylnaphthalene	**17.5J**	ug/kg	19.1	8.7	1	06/26/12 07:14	06/26/12 13:45	90-12-0	
2-Methylnaphthalene	**6.3J**	ug/kg	19.1	1.8	1	06/26/12 07:14	06/26/12 13:45	91-57-6	
Naphthalene	**18.0J**	ug/kg	19.1	3.6	1	06/26/12 07:14	06/26/12 13:45	91-20-3	
Phenanthrene	**8.3J**	ug/kg	19.1	2.4	1	06/26/12 07:14	06/26/12 13:45	85-01-8	
Pyrene	**11.3J**	ug/kg	19.1	9.6	1	06/26/12 07:14	06/26/12 13:45	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%.	43-130		1	06/26/12 07:14	06/26/12 13:45	321-60-8	
Terphenyl-d14 (S)	62	%.	32-130		1	06/26/12 07:14	06/26/12 13:45	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	06/26/12 13:43	06/27/12 15:28	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	06/26/12 13:43	06/27/12 15:28	104-51-8	W
sec-Butylbenzene	**161**	ug/kg	68.8	28.7	1	06/26/12 13:43	06/27/12 15:28	135-98-8	
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	06/26/12 13:43	06/27/12 15:28	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	06/26/12 13:43	06/27/12 15:28	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	75-35-4	W
cis-1,2-Dichloroethene	**34.1J**	ug/kg	68.8	28.7	1	06/26/12 13:43	06/27/12 15:28	156-59-2	
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	10061-02-6	W

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B6-0-2.5 **Lab ID: 4062358004** Collected: 06/20/12 10:30 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	108-20-3	W
Ethylbenzene	**932**	ug/kg	68.8	28.7	1	06/26/12 13:43	06/27/12 15:28	100-41-4	
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	06/26/12 13:43	06/27/12 15:28	87-68-3	W
Isopropylbenzene (Cumene)	**141**	ug/kg	68.8	28.7	1	06/26/12 13:43	06/27/12 15:28	98-82-8	
p-Isopropyltoluene	**209**	ug/kg	68.8	28.7	1	06/26/12 13:43	06/27/12 15:28	99-87-6	
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	1634-04-4	W
Naphthalene	**2400**	ug/kg	68.8	28.7	1	06/26/12 13:43	06/27/12 15:28	91-20-3	
n-Propylbenzene	**624**	ug/kg	68.8	28.7	1	06/26/12 13:43	06/27/12 15:28	103-65-1	
Styrene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	79-34-5	W
Tetrachloroethene	**170**	ug/kg	68.8	28.7	1	06/26/12 13:43	06/27/12 15:28	127-18-4	
Toluene	**1970**	ug/kg	68.8	28.7	1	06/26/12 13:43	06/27/12 15:28	108-88-3	
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	96-18-4	W
1,2,4-Trimethylbenzene	**9050**	ug/kg	68.8	28.7	1	06/26/12 13:43	06/27/12 15:28	95-63-6	
1,3,5-Trimethylbenzene	**3310**	ug/kg	68.8	28.7	1	06/26/12 13:43	06/27/12 15:28	108-67-8	
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 15:28	75-01-4	W
m&p-Xylene	**5720**	ug/kg	138	57.3	1	06/26/12 13:43	06/27/12 15:28	179601-23-1	
o-Xylene	**3190**	ug/kg	68.8	28.7	1	06/26/12 13:43	06/27/12 15:28	95-47-6	
Surrogates									
Dibromofluoromethane (S)	93	%.	57-149		1	06/26/12 13:43	06/27/12 15:28	1868-53-7	
Toluene-d8 (S)	99	%.	55-152		1	06/26/12 13:43	06/27/12 15:28	2037-26-5	
4-Bromofluorobenzene (S)	91	%.	40-139		1	06/26/12 13:43	06/27/12 15:28	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.8**	%	0.10	0.10	1		07/05/12 15:02		

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B6-7.5-10 **Lab ID: 4062358005** Collected: 06/20/12 10:45 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<31.6**	ug/kg	134	31.6	1	06/26/12 12:00	06/26/12 19:21	12674-11-2	
PCB-1221 (Aroclor 1221)	**<31.6**	ug/kg	134	31.6	1	06/26/12 12:00	06/26/12 19:21	11104-28-2	
PCB-1232 (Aroclor 1232)	**<31.6**	ug/kg	134	31.6	1	06/26/12 12:00	06/26/12 19:21	11141-16-5	
PCB-1242 (Aroclor 1242)	**<31.6**	ug/kg	134	31.6	1	06/26/12 12:00	06/26/12 19:21	53469-21-9	
PCB-1248 (Aroclor 1248)	**<31.6**	ug/kg	134	31.6	1	06/26/12 12:00	06/26/12 19:21	12672-29-6	
PCB-1254 (Aroclor 1254)	**<31.6**	ug/kg	134	31.6	1	06/26/12 12:00	06/26/12 19:21	11097-69-1	
PCB-1260 (Aroclor 1260)	**<31.6**	ug/kg	134	31.6	1	06/26/12 12:00	06/26/12 19:21	11096-82-5	
PCB, Total	**<31.6**	ug/kg	134	31.6	1	06/26/12 12:00	06/26/12 19:21	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	91	%.	43-130		1	06/26/12 12:00	06/26/12 19:21	877-09-8	
Decachlorobiphenyl (S)	84	%.	48-130		1	06/26/12 12:00	06/26/12 19:21	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**37.0**	mg/kg	2.7	1.3	1	06/26/12 07:04	06/26/12 14:12		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	**14.0**	mg/kg	3.3	3.3	1	06/26/12 07:52	06/27/12 05:45		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**6.2**	mg/kg	2.3	0.41	1	06/26/12 13:45	06/27/12 14:25	7440-38-2	
Barium	**86.8**	mg/kg	0.57	0.034	1	06/26/12 13:45	06/27/12 14:25	7440-39-3	
Cadmium	**0.22J**	mg/kg	0.57	0.035	1	06/26/12 13:45	06/27/12 14:25	7440-43-9	
Chromium	**25.9**	mg/kg	0.57	0.11	1	06/26/12 13:45	06/27/12 14:25	7440-47-3	
Lead	**10.3**	mg/kg	1.1	0.29	1	06/26/12 13:45	06/27/12 14:25	7439-92-1	
Selenium	**<0.55**	mg/kg	2.3	0.55	1	06/26/12 13:45	06/27/12 14:25	7782-49-2	
Silver	**<0.25**	mg/kg	1.1	0.25	1	06/26/12 13:45	06/27/12 14:25	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.026**	mg/kg	0.0083	0.0041	1	06/26/12 11:30	06/27/12 14:18	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<11.1**	ug/kg	22.3	11.1	1	06/26/12 07:14	06/26/12 17:11	83-32-9	
Acenaphthylene	**<11.1**	ug/kg	22.3	11.1	1	06/26/12 07:14	06/26/12 17:11	208-96-8	
Anthracene	**<2.3**	ug/kg	22.3	2.3	1	06/26/12 07:14	06/26/12 17:11	120-12-7	
Benzo(a)anthracene	**<11.1**	ug/kg	22.3	11.1	1	06/26/12 07:14	06/26/12 17:11	56-55-3	
Benzo(a)pyrene	**<11.1**	ug/kg	22.3	11.1	1	06/26/12 07:14	06/26/12 17:11	50-32-8	
Benzo(b)fluoranthene	**<3.2**	ug/kg	22.3	3.2	1	06/26/12 07:14	06/26/12 17:11	205-99-2	
Benzo(g,h,i)perylene	**<11.1**	ug/kg	22.3	11.1	1	06/26/12 07:14	06/26/12 17:11	191-24-2	
Benzo(k)fluoranthene	**<11.1**	ug/kg	22.3	11.1	1	06/26/12 07:14	06/26/12 17:11	207-08-9	
Chrysene	**<2.5**	ug/kg	22.3	2.5	1	06/26/12 07:14	06/26/12 17:11	218-01-9	
Dibenz(a,h)anthracene	**<11.1**	ug/kg	22.3	11.1	1	06/26/12 07:14	06/26/12 17:11	53-70-3	
Fluoranthene	**<11.1**	ug/kg	22.3	11.1	1	06/26/12 07:14	06/26/12 17:11	206-44-0	
Fluorene	**<11.1**	ug/kg	22.3	11.1	1	06/26/12 07:14	06/26/12 17:11	86-73-7	
Indeno(1,2,3-cd)pyrene	**<11.1**	ug/kg	22.3	11.1	1	06/26/12 07:14	06/26/12 17:11	193-39-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B6-7.5-10 **Lab ID: 4062358005** Collected: 06/20/12 10:45 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
1-Methylnaphthalene	**<10.2**	ug/kg	22.3	10.2	1	06/26/12 07:14	06/26/12 17:11	90-12-0	
2-Methylnaphthalene	**<2.1**	ug/kg	22.3	2.1	1	06/26/12 07:14	06/26/12 17:11	91-57-6	
Naphthalene	**<4.2**	ug/kg	22.3	4.2	1	06/26/12 07:14	06/26/12 17:11	91-20-3	
Phenanthrene	**<2.8**	ug/kg	22.3	2.8	1	06/26/12 07:14	06/26/12 17:11	85-01-8	
Pyrene	**<11.1**	ug/kg	22.3	11.1	1	06/26/12 07:14	06/26/12 17:11	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%.	43-130		1	06/26/12 07:14	06/26/12 17:11	321-60-8	
Terphenyl-d14 (S)	52	%.	32-130		1	06/26/12 07:14	06/26/12 17:11	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**37.6J**	ug/kg	80.1	33.4	1	06/26/12 13:43	06/27/12 13:10	71-43-2	
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	06/26/12 13:43	06/27/12 13:10	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	06/26/12 13:43	06/27/12 13:10	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	06/26/12 13:43	06/27/12 13:10	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	06/26/12 13:43	06/27/12 13:10	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	10061-02-6	W

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B6-7.5-10 **Lab ID: 4062358005** Collected: 06/20/12 10:45 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	06/26/12 13:43	06/27/12 13:10	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/26/12 13:43	06/27/12 13:10	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:10	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	91	%.	57-149		1	06/26/12 13:43	06/27/12 13:10	1868-53-7	
Toluene-d8 (S)	100	%.	55-152		1	06/26/12 13:43	06/27/12 13:10	2037-26-5	
4-Bromofluorobenzene (S)	92	%.	40-139		1	06/26/12 13:43	06/27/12 13:10	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**25.1**	%	0.10	0.10	1		07/05/12 16:18		

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B7-6.0-7.0 **Lab ID: 4062358006** Collected: 06/20/12 08:40 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**800**	mg/kg	24.9	12.4	10	06/26/12 07:04	06/26/12 14:35		L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	**572**	mg/kg	16.5	16.5	5	06/26/12 07:52	06/27/12 07:02		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**7.3**	mg/kg	2.6	0.48	1	06/26/12 13:45	06/27/12 14:27	7440-38-2	
Barium	**93.1**	mg/kg	0.65	0.039	1	06/26/12 13:45	06/27/12 14:27	7440-39-3	
Cadmium	**0.47J**	mg/kg	0.65	0.041	1	06/26/12 13:45	06/27/12 14:27	7440-43-9	
Chromium	**23.9**	mg/kg	0.65	0.13	1	06/26/12 13:45	06/27/12 14:27	7440-47-3	
Lead	**12.9**	mg/kg	1.3	0.33	1	06/26/12 13:45	06/27/12 14:27	7439-92-1	
Selenium	**<0.63**	mg/kg	2.6	0.63	1	06/26/12 13:45	06/27/12 14:27	7782-49-2	
Silver	**<0.29**	mg/kg	1.3	0.29	1	06/26/12 13:45	06/27/12 14:27	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.032**	mg/kg	0.0083	0.0042	1	06/26/12 11:30	06/27/12 14:20	7439-97-6	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	71-43-2	W
Bromobenzene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	108-86-1	W
Bromochloromethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	74-97-5	W
Bromodichloromethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	75-27-4	W
Bromoform	**<51.8**	ug/kg	120	51.8	2	06/26/12 13:43	06/27/12 17:54	75-25-2	W
Bromomethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	74-83-9	W
n-Butylbenzene	**3710**	ug/kg	159	107	2	06/26/12 13:43	06/27/12 17:54	104-51-8	
sec-Butylbenzene	**2350**	ug/kg	159	66.1	2	06/26/12 13:43	06/27/12 17:54	135-98-8	
tert-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	98-06-6	W
Carbon tetrachloride	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	56-23-5	W
Chlorobenzene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	108-90-7	W
Chloroethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	75-00-3	W
Chloroform	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	67-66-3	W
Chloromethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	74-87-3	W
2-Chlorotoluene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	95-49-8	W
4-Chlorotoluene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	106-43-4	W
1,2-Dibromo-3-chloropropane	**<165**	ug/kg	500	165	2	06/26/12 13:43	06/27/12 17:54	96-12-8	W
Dibromochloromethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	124-48-1	W
1,2-Dibromoethane (EDB)	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	106-93-4	W
Dibromomethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	74-95-3	W
1,2-Dichlorobenzene	**<88.8**	ug/kg	120	88.8	2	06/26/12 13:43	06/27/12 17:54	95-50-1	W
1,3-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	541-73-1	W
1,4-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	106-46-7	W
Dichlorodifluoromethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	75-71-8	W
1,1-Dichloroethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	75-34-3	W
1,2-Dichloroethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	107-06-2	W

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B7-6.0-7.0 **Lab ID: 4062358006** Collected: 06/20/12 08:40 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	75-35-4	W
cis-1,2-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	156-59-2	W
trans-1,2-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	156-60-5	W
1,2-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	78-87-5	W
1,3-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	142-28-9	W
2,2-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	594-20-7	W
1,1-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	563-58-6	W
cis-1,3-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	10061-01-5	W
trans-1,3-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	10061-02-6	W
Diisopropyl ether	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	108-20-3	W
Ethylbenzene	**1900**	ug/kg	159	66.1	2	06/26/12 13:43	06/27/12 17:54	100-41-4	
Hexachloro-1,3-butadiene	**<52.8**	ug/kg	120	52.8	2	06/26/12 13:43	06/27/12 17:54	87-68-3	W
Isopropylbenzene (Cumene)	**1370**	ug/kg	159	66.1	2	06/26/12 13:43	06/27/12 17:54	98-82-8	
p-Isopropyltoluene	**440**	ug/kg	159	66.1	2	06/26/12 13:43	06/27/12 17:54	99-87-6	
Methylene Chloride	**129J**	ug/kg	159	66.1	2	06/26/12 13:43	06/27/12 17:54	75-09-2	B
Methyl-tert-butyl ether	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	1634-04-4	W
Naphthalene	**9470**	ug/kg	159	66.1	2	06/26/12 13:43	06/27/12 17:54	91-20-3	
n-Propylbenzene	**4980**	ug/kg	159	66.1	2	06/26/12 13:43	06/27/12 17:54	103-65-1	
Styrene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	100-42-5	W
1,1,1,2-Tetrachloroethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	630-20-6	W
1,1,2,2-Tetrachloroethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	79-34-5	W
Tetrachloroethene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	127-18-4	W
Toluene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	108-88-3	W
1,2,3-Trichlorobenzene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	87-61-6	W
1,2,4-Trichlorobenzene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	120-82-1	W
1,1,1-Trichloroethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	71-55-6	W
1,1,2-Trichloroethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	79-00-5	W
Trichloroethene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	79-01-6	W
Trichlorofluoromethane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	75-69-4	W
1,2,3-Trichloropropane	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	96-18-4	W
1,2,4-Trimethylbenzene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	95-63-6	W
1,3,5-Trimethylbenzene	**172**	ug/kg	159	66.1	2	06/26/12 13:43	06/27/12 17:54	108-67-8	
Vinyl chloride	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	75-01-4	W
m&p-Xylene	**<100**	ug/kg	240	100	2	06/26/12 13:43	06/27/12 17:54	179601-23-1	W
o-Xylene	**<50.0**	ug/kg	120	50.0	2	06/26/12 13:43	06/27/12 17:54	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	83	%.	57-149		2	06/26/12 13:43	06/27/12 17:54	1868-53-7	
Toluene-d8 (S)	91	%.	55-152		2	06/26/12 13:43	06/27/12 17:54	2037-26-5	
4-Bromofluorobenzene (S)	86	%.	40-139		2	06/26/12 13:43	06/27/12 17:54	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.3**	%	0.10	0.10	1		07/05/12 16:18		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B8-2.5-3.5 **Lab ID: 4062358007** Collected: 06/20/12 09:10 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**1.4J**	mg/kg	2.0	0.99	1	06/26/12 07:04	06/26/12 12:22		L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	**<3.0**	mg/kg	3.0	3.0	1	06/26/12 07:52	06/27/12 08:19		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.6**	mg/kg	2.2	0.40	1	06/26/12 13:45	06/27/12 14:29	7440-38-2	
Barium	**20.1**	mg/kg	0.56	0.033	1	06/26/12 13:45	06/27/12 14:29	7440-39-3	
Cadmium	**0.11J**	mg/kg	0.56	0.035	1	06/26/12 13:45	06/27/12 14:29	7440-43-9	
Chromium	**9.9**	mg/kg	0.56	0.11	1	06/26/12 13:45	06/27/12 14:29	7440-47-3	
Lead	**3.8**	mg/kg	1.1	0.28	1	06/26/12 13:45	06/27/12 14:29	7439-92-1	
Selenium	**<0.54**	mg/kg	2.2	0.54	1	06/26/12 13:45	06/27/12 14:29	7782-49-2	
Silver	**<0.24**	mg/kg	1.1	0.24	1	06/26/12 13:45	06/27/12 14:29	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.032**	mg/kg	0.0068	0.0034	1	06/26/12 11:30	06/28/12 08:41	7439-97-6	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	06/26/12 13:43	06/27/12 13:33	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	06/26/12 13:43	06/27/12 13:33	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	06/26/12 13:43	06/27/12 13:33	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	06/26/12 13:43	06/27/12 13:33	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	107-06-2	W

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B8-2.5-3.5 **Lab ID: 4062358007** Collected: 06/20/12 09:10 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	06/26/12 13:43	06/27/12 13:33	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/26/12 13:43	06/27/12 13:33	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:33	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%.	57-149		1	06/26/12 13:43	06/27/12 13:33	1868-53-7	
Toluene-d8 (S)	102	%.	55-152		1	06/26/12 13:43	06/27/12 13:33	2037-26-5	
4-Bromofluorobenzene (S)	93	%.	40-139		1	06/26/12 13:43	06/27/12 13:33	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.1**	%	0.10	0.10	1		07/05/12 16:18		

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B9-2.5-3.5 **Lab ID: 4062358008** Collected: 06/20/12 09:30 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**4.7**	mg/kg	1.9	0.93	1	06/26/12 07:04	06/26/12 12:28		1q,L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 15:41	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 15:41	100-41-4	W
Gasoline Range Organics	**<2.8**	mg/kg	2.8	2.8	1	06/28/12 09:47	06/28/12 15:41		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 15:41	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 15:41	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 15:41	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 15:41	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/28/12 09:47	06/28/12 15:41	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 15:41	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%.	80-120		1	06/28/12 09:47	06/28/12 15:41	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.9**	%	0.10	0.10	1		07/05/12 16:18		

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B10-0-2.5 **Lab ID: 4062358009** Collected: 06/20/12 10:00 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**81.4**	mg/kg	4.2	2.1	2	06/26/12 07:04	06/26/12 14:41		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 16:06	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 16:06	100-41-4	W
Gasoline Range Organics	**<2.6**	mg/kg	2.6	2.6	1	06/28/12 09:47	06/28/12 16:06		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 16:06	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 16:06	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 16:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 16:06	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/28/12 09:47	06/28/12 16:06	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/28/12 09:47	06/28/12 16:06	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%.	80-120		1	06/28/12 09:47	06/28/12 16:06	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.5**	%	0.10	0.10	1		07/05/12 16:18		

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B11-0-0.5 **Lab ID: 4062358010** Collected: 06/20/12 08:00 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.8**	mg/kg	2.1	0.39	1	06/26/12 14:40	06/27/12 15:19	7440-38-2	
Barium	**55.0**	mg/kg	0.53	0.032	1	06/26/12 14:40	06/27/12 15:19	7440-39-3	
Cadmium	**0.25J**	mg/kg	0.53	0.033	1	06/26/12 14:40	06/27/12 15:19	7440-43-9	
Chromium	**9.1**	mg/kg	0.53	0.11	1	06/26/12 14:40	06/27/12 15:19	7440-47-3	
Lead	**7.4**	mg/kg	1.1	0.27	1	06/26/12 14:40	06/27/12 15:19	7439-92-1	
Selenium	**<0.51**	mg/kg	2.1	0.51	1	06/26/12 14:40	06/27/12 15:19	7782-49-2	
Silver	**<0.23**	mg/kg	1.1	0.23	1	06/26/12 14:40	06/27/12 15:19	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0099**	mg/kg	0.0067	0.0034	1	06/26/12 11:30	06/28/12 08:43	7439-97-6	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	06/26/12 13:43	06/27/12 13:56	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	06/26/12 13:43	06/27/12 13:56	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	06/26/12 13:43	06/27/12 13:56	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	06/26/12 13:43	06/27/12 13:56	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	563-58-6	W

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B11-0-0.5 **Lab ID: 4062358010** Collected: 06/20/12 08:00 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	06/26/12 13:43	06/27/12 13:56	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	98-82-8	W
p-Isopropyltoluene	**41.7J**	ug/kg	73.1	30.4	1	06/26/12 13:43	06/27/12 13:56	99-87-6	
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/26/12 13:43	06/27/12 13:56	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/26/12 13:43	06/27/12 13:56	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	89	%.	57-149		1	06/26/12 13:43	06/27/12 13:56	1868-53-7	
Toluene-d8 (S)	95	%.	55-152		1	06/26/12 13:43	06/27/12 13:56	2037-26-5	
4-Bromofluorobenzene (S)	86	%.	40-139		1	06/26/12 13:43	06/27/12 13:56	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.9**	%	0.10	0.10	1		07/06/12 15:33		

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B14-0-0.5 **Lab ID: 4062358011** Collected: 06/21/12 10:00 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**211**	mg/kg	7.4	3.7	2	06/26/12 07:04	06/26/12 14:47		L2,T4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.3**	mg/kg	2.0	0.36	1	06/26/12 14:40	06/27/12 15:21	7440-38-2	
Barium	**105**	mg/kg	0.50	0.030	1	06/26/12 14:40	06/27/12 15:21	7440-39-3	
Cadmium	**0.25J**	mg/kg	0.50	0.031	1	06/26/12 14:40	06/27/12 15:21	7440-43-9	
Chromium	**7.7**	mg/kg	0.50	0.10	1	06/26/12 14:40	06/27/12 15:21	7440-47-3	
Lead	**16.3**	mg/kg	1.0	0.25	1	06/26/12 14:40	06/27/12 15:21	7439-92-1	
Selenium	**<0.49**	mg/kg	2.0	0.49	1	06/26/12 14:40	06/27/12 15:21	7782-49-2	
Silver	**<0.22**	mg/kg	1.0	0.22	1	06/26/12 14:40	06/27/12 15:21	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0099**	mg/kg	0.0061	0.0030	1	06/26/12 11:30	06/28/12 08:45	7439-97-6	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	71-43-2	W
Bromobenzene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	108-86-1	W
Bromochloromethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	74-97-5	W
Bromodichloromethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	75-27-4	W
Bromoform	**<26.4**	ug/kg	61.2	26.4	1	06/26/12 13:43	06/27/12 14:19	75-25-2	W
Bromomethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	74-83-9	W
n-Butylbenzene	**<41.2**	ug/kg	61.2	41.2	1	06/26/12 13:43	06/27/12 14:19	104-51-8	W
sec-Butylbenzene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	135-98-8	W
tert-Butylbenzene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	98-06-6	W
Carbon tetrachloride	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	56-23-5	W
Chlorobenzene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	108-90-7	W
Chloroethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	75-00-3	W
Chloroform	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	67-66-3	W
Chloromethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	74-87-3	W
2-Chlorotoluene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	95-49-8	W
4-Chlorotoluene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	106-43-4	W
1,2-Dibromo-3-chloropropane	**<84.0**	ug/kg	255	84.0	1	06/26/12 13:43	06/27/12 14:19	96-12-8	W
Dibromochloromethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	106-93-4	W
Dibromomethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	74-95-3	W
1,2-Dichlorobenzene	**<45.3**	ug/kg	61.2	45.3	1	06/26/12 13:43	06/27/12 14:19	95-50-1	W
1,3-Dichlorobenzene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	541-73-1	W
1,4-Dichlorobenzene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	106-46-7	W
Dichlorodifluoromethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	75-71-8	W
1,1-Dichloroethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	75-34-3	W
1,2-Dichloroethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	107-06-2	W
1,1-Dichloroethene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	75-35-4	W
cis-1,2-Dichloroethene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	156-59-2	W
trans-1,2-Dichloroethene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	156-60-5	W
1,2-Dichloropropane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	78-87-5	W

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B14-0-0.5 **Lab ID: 4062358011** Collected: 06/21/12 10:00 Received: 06/22/12 10:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,3-Dichloropropane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	142-28-9	W
2,2-Dichloropropane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	594-20-7	W
1,1-Dichloropropene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	563-58-6	W
cis-1,3-Dichloropropene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	10061-01-5	W
trans-1,3-Dichloropropene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	10061-02-6	W
Diisopropyl ether	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	108-20-3	W
Ethylbenzene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	100-41-4	W
Hexachloro-1,3-butadiene	**<26.9**	ug/kg	61.2	26.9	1	06/26/12 13:43	06/27/12 14:19	87-68-3	W
Isopropylbenzene (Cumene)	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	98-82-8	W
p-Isopropyltoluene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	99-87-6	W
Methylene Chloride	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	75-09-2	W
Methyl-tert-butyl ether	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	1634-04-4	W
Naphthalene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	91-20-3	W
n-Propylbenzene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	103-65-1	W
Styrene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	79-34-5	W
Tetrachloroethene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	127-18-4	W
Toluene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	108-88-3	W
1,2,3-Trichlorobenzene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	87-61-6	W
1,2,4-Trichlorobenzene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	120-82-1	W
1,1,1-Trichloroethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	71-55-6	W
1,1,2-Trichloroethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	79-00-5	W
Trichloroethene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	79-01-6	W
Trichlorofluoromethane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	75-69-4	W
1,2,3-Trichloropropane	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	96-18-4	W
1,2,4-Trimethylbenzene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	95-63-6	W
1,3,5-Trimethylbenzene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	108-67-8	W
Vinyl chloride	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	75-01-4	W
m&p-Xylene	**<51.0**	ug/kg	122	51.0	1	06/26/12 13:43	06/27/12 14:19	179601-23-1	W
o-Xylene	**<25.5**	ug/kg	61.2	25.5	1	06/26/12 13:43	06/27/12 14:19	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%.	57-149		1	06/26/12 13:43	06/27/12 14:19	1868-53-7	
Toluene-d8 (S)	112	%.	55-152		1	06/26/12 13:43	06/27/12 14:19	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	40-139		1	06/26/12 13:43	06/27/12 14:19	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.4**	%	0.10	0.10	1		07/05/12 16:19		

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B8 **Lab ID: 4062358012** Collected: 06/20/12 14:00 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<4.7**	ug/L	20.0	4.7	1		06/27/12 18:12	7440-38-2	
Barium, Dissolved	**160**	ug/L	5.0	1.9	1		06/27/12 18:12	7440-39-3	
Cadmium, Dissolved	**<0.33**	ug/L	5.0	0.33	1		06/27/12 18:12	7440-43-9	
Chromium, Dissolved	**<2.0**	ug/L	5.0	2.0	1		06/27/12 18:12	7440-47-3	
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		06/27/12 18:12	7439-92-1	
Selenium, Dissolved	**<6.5**	ug/L	20.0	6.5	1		06/27/12 18:12	7782-49-2	
Silver, Dissolved	**<2.5**	ug/L	10.0	2.5	1		06/27/12 18:12	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.10**	ug/L	0.20	0.10	1	06/27/12 17:45	06/28/12 11:58	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		06/28/12 17:24	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		06/28/12 17:24	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		06/28/12 17:24	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		06/28/12 17:24	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		06/28/12 17:24	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		06/28/12 17:24	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		06/28/12 17:24	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		06/28/12 17:24	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/28/12 17:24	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		06/28/12 17:24	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		06/28/12 17:24	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		06/28/12 17:24	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/28/12 17:24	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		06/28/12 17:24	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		06/28/12 17:24	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		06/28/12 17:24	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		06/28/12 17:24	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		06/28/12 17:24	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		06/28/12 17:24	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		06/28/12 17:24	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		06/28/12 17:24	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		06/28/12 17:24	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		06/28/12 17:24	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		06/28/12 17:24	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		06/28/12 17:24	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		06/28/12 17:24	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		06/28/12 17:24	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		06/28/12 17:24	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		06/28/12 17:24	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		06/28/12 17:24	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		06/28/12 17:24	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		06/28/12 17:24	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		06/28/12 17:24	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/28/12 17:24	10061-01-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B8 **Lab ID: 4062358012** Collected: 06/20/12 14:00 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		06/28/12 17:24	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		06/28/12 17:24	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		06/28/12 17:24	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		06/28/12 17:24	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		06/28/12 17:24	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		06/28/12 17:24	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		06/28/12 17:24	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		06/28/12 17:24	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		06/28/12 17:24	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		06/28/12 17:24	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		06/28/12 17:24	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		06/28/12 17:24	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/28/12 17:24	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		06/28/12 17:24	127-18-4	
Toluene	**0.72J**	ug/L	1.0	0.67	1		06/28/12 17:24	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		06/28/12 17:24	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	5.0	0.97	1		06/28/12 17:24	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		06/28/12 17:24	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		06/28/12 17:24	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		06/28/12 17:24	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		06/28/12 17:24	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		06/28/12 17:24	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/28/12 17:24	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		06/28/12 17:24	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/28/12 17:24	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		06/28/12 17:24	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		06/28/12 17:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		06/28/12 17:24	460-00-4	
Dibromofluoromethane (S)	97	%.	70-130		1		06/28/12 17:24	1868-53-7	pH
Toluene-d8 (S)	101	%.	70-130		1		06/28/12 17:24	2037-26-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B7 **Lab ID: 4062358013** Collected: 06/20/12 14:15 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**8.4J**	ug/L	20.0	4.7	1		06/27/12 18:15	7440-38-2	
Barium, Dissolved	**368**	ug/L	5.0	1.9	1		06/27/12 18:15	7440-39-3	
Cadmium, Dissolved	**<0.33**	ug/L	5.0	0.33	1		06/27/12 18:15	7440-43-9	
Chromium, Dissolved	**<2.0**	ug/L	5.0	2.0	1		06/27/12 18:15	7440-47-3	
Lead, Dissolved	**2.1J**	ug/L	7.5	1.7	1		06/27/12 18:15	7439-92-1	
Selenium, Dissolved	**<6.5**	ug/L	20.0	6.5	1		06/27/12 18:15	7782-49-2	
Silver, Dissolved	**<2.5**	ug/L	10.0	2.5	1		06/27/12 18:15	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.10**	ug/L	0.20	0.10	1	06/27/12 17:45	06/28/12 12:04	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**53.7**	ug/L	2.0	0.82	2		06/28/12 08:57	71-43-2	
Bromobenzene	**<1.6**	ug/L	2.0	1.6	2		06/28/12 08:57	108-86-1	
Bromochloromethane	**<1.9**	ug/L	2.0	1.9	2		06/28/12 08:57	74-97-5	
Bromodichloromethane	**<1.1**	ug/L	2.0	1.1	2		06/28/12 08:57	75-27-4	
Bromoform	**<1.9**	ug/L	2.0	1.9	2		06/28/12 08:57	75-25-2	
Bromomethane	**<1.8**	ug/L	2.0	1.8	2		06/28/12 08:57	74-83-9	
n-Butylbenzene	**13.5**	ug/L	2.0	1.9	2		06/28/12 08:57	104-51-8	
sec-Butylbenzene	**11.8**	ug/L	10.0	1.8	2		06/28/12 08:57	135-98-8	
tert-Butylbenzene	**<1.9**	ug/L	2.0	1.9	2		06/28/12 08:57	98-06-6	
Carbon tetrachloride	**<0.98**	ug/L	2.0	0.98	2		06/28/12 08:57	56-23-5	
Chlorobenzene	**<0.82**	ug/L	2.0	0.82	2		06/28/12 08:57	108-90-7	
Chloroethane	**<1.9**	ug/L	2.0	1.9	2		06/28/12 08:57	75-00-3	
Chloroform	**<2.6**	ug/L	10.0	2.6	2		06/28/12 08:57	67-66-3	
Chloromethane	**<0.48**	ug/L	2.0	0.48	2		06/28/12 08:57	74-87-3	
2-Chlorotoluene	**<1.7**	ug/L	2.0	1.7	2		06/28/12 08:57	95-49-8	
4-Chlorotoluene	**<1.5**	ug/L	2.0	1.5	2		06/28/12 08:57	106-43-4	
1,2-Dibromo-3-chloropropane	**<3.4**	ug/L	10.0	3.4	2		06/28/12 08:57	96-12-8	
Dibromochloromethane	**<1.6**	ug/L	2.0	1.6	2		06/28/12 08:57	124-48-1	
1,2-Dibromoethane (EDB)	**<1.1**	ug/L	2.0	1.1	2		06/28/12 08:57	106-93-4	
Dibromomethane	**<1.2**	ug/L	2.0	1.2	2		06/28/12 08:57	74-95-3	
1,2-Dichlorobenzene	**<1.7**	ug/L	2.0	1.7	2		06/28/12 08:57	95-50-1	
1,3-Dichlorobenzene	**<1.7**	ug/L	2.0	1.7	2		06/28/12 08:57	541-73-1	
1,4-Dichlorobenzene	**<1.9**	ug/L	2.0	1.9	2		06/28/12 08:57	106-46-7	
Dichlorodifluoromethane	**<2.0**	ug/L	2.0	2.0	2		06/28/12 08:57	75-71-8	
1,1-Dichloroethane	**<1.5**	ug/L	2.0	1.5	2		06/28/12 08:57	75-34-3	
1,2-Dichloroethane	**<0.72**	ug/L	2.0	0.72	2		06/28/12 08:57	107-06-2	
1,1-Dichloroethene	**<1.1**	ug/L	2.0	1.1	2		06/28/12 08:57	75-35-4	
cis-1,2-Dichloroethene	**<1.7**	ug/L	2.0	1.7	2		06/28/12 08:57	156-59-2	
trans-1,2-Dichloroethene	**<1.8**	ug/L	2.0	1.8	2		06/28/12 08:57	156-60-5	
1,2-Dichloropropane	**<0.98**	ug/L	2.0	0.98	2		06/28/12 08:57	78-87-5	
1,3-Dichloropropane	**<1.2**	ug/L	2.0	1.2	2		06/28/12 08:57	142-28-9	
2,2-Dichloropropane	**<1.2**	ug/L	2.0	1.2	2		06/28/12 08:57	594-20-7	
1,1-Dichloropropene	**<1.5**	ug/L	2.0	1.5	2		06/28/12 08:57	563-58-6	
cis-1,3-Dichloropropene	**<0.40**	ug/L	2.0	0.40	2		06/28/12 08:57	10061-01-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B7 **Lab ID: 4062358013** Collected: 06/20/12 14:15 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	**<0.38**	ug/L	2.0	0.38	2		06/28/12 08:57	10061-02-6	
Diisopropyl ether	**<1.5**	ug/L	2.0	1.5	2		06/28/12 08:57	108-20-3	
Ethylbenzene	**62.7**	ug/L	2.0	1.1	2		06/28/12 08:57	100-41-4	
Hexachloro-1,3-butadiene	**<1.3**	ug/L	10.0	1.3	2		06/28/12 08:57	87-68-3	
Isopropylbenzene (Cumene)	**19.3**	ug/L	2.0	1.2	2		06/28/12 08:57	98-82-8	
p-Isopropyltoluene	**4.0**	ug/L	2.0	1.3	2		06/28/12 08:57	99-87-6	
Methylene Chloride	**<0.86**	ug/L	2.0	0.86	2		06/28/12 08:57	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	2.0	1.2	2		06/28/12 08:57	1634-04-4	
Naphthalene	**126**	ug/L	10.0	1.8	2		06/28/12 08:57	91-20-3	
n-Propylbenzene	**49.6**	ug/L	2.0	1.6	2		06/28/12 08:57	103-65-1	
Styrene	**<1.7**	ug/L	2.0	1.7	2		06/28/12 08:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	2.0	1.8	2		06/28/12 08:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	2.0	0.40	2		06/28/12 08:57	79-34-5	
Tetrachloroethene	**<0.90**	ug/L	2.0	0.90	2		06/28/12 08:57	127-18-4	
Toluene	**<1.3**	ug/L	2.0	1.3	2		06/28/12 08:57	108-88-3	
1,2,3-Trichlorobenzene	**<1.5**	ug/L	2.0	1.5	2		06/28/12 08:57	87-61-6	
1,2,4-Trichlorobenzene	**<1.9**	ug/L	10.0	1.9	2		06/28/12 08:57	120-82-1	
1,1,1-Trichloroethane	**<1.8**	ug/L	2.0	1.8	2		06/28/12 08:57	71-55-6	
1,1,2-Trichloroethane	**<0.84**	ug/L	2.0	0.84	2		06/28/12 08:57	79-00-5	
Trichloroethene	**<0.96**	ug/L	2.0	0.96	2		06/28/12 08:57	79-01-6	
Trichlorofluoromethane	**<1.6**	ug/L	2.0	1.6	2		06/28/12 08:57	75-69-4	
1,2,3-Trichloropropane	**<2.0**	ug/L	2.0	2.0	2		06/28/12 08:57	96-18-4	
1,2,4-Trimethylbenzene	**<1.9**	ug/L	2.0	1.9	2		06/28/12 08:57	95-63-6	
1,3,5-Trimethylbenzene	**2.0**	ug/L	2.0	1.7	2		06/28/12 08:57	108-67-8	
Vinyl chloride	**<0.36**	ug/L	2.0	0.36	2		06/28/12 08:57	75-01-4	
m&p-Xylene	**<3.6**	ug/L	4.0	3.6	2		06/28/12 08:57	179601-23-1	
o-Xylene	**<1.7**	ug/L	2.0	1.7	2		06/28/12 08:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		2		06/28/12 08:57	460-00-4	
Dibromofluoromethane (S)	93	%.	70-130		2		06/28/12 08:57	1868-53-7	pH
Toluene-d8 (S)	106	%.	70-130		2		06/28/12 08:57	2037-26-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B9 **Lab ID: 4062358014** Collected: 06/20/12 14:30 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		06/27/12 14:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		06/27/12 14:51	108-67-8	
Benzene	**<0.39**	ug/L	1.0	0.39	1		06/27/12 14:51	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		06/27/12 14:51	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		06/27/12 14:51	1634-04-4	
Toluene	**0.62J**	ug/L	1.0	0.42	1		06/27/12 14:51	108-88-3	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		06/27/12 14:51	179601-23-1	
o-Xylene	**<0.38**	ug/L	1.0	0.38	1		06/27/12 14:51	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%.	80-120		1		06/27/12 14:51	98-08-8	pH

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B12 **Lab ID: 4062358015** Collected: 06/20/12 14:45 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**27.2**	ug/L	20.0	4.7	1		06/27/12 18:17	7440-38-2	
Barium, Dissolved	**703**	ug/L	5.0	1.9	1		06/27/12 18:17	7440-39-3	
Cadmium, Dissolved	**<0.33**	ug/L	5.0	0.33	1		06/27/12 18:17	7440-43-9	
Chromium, Dissolved	**<2.0**	ug/L	5.0	2.0	1		06/27/12 18:17	7440-47-3	
Lead, Dissolved	**2.0J**	ug/L	7.5	1.7	1		06/27/12 18:17	7439-92-1	
Selenium, Dissolved	**<6.5**	ug/L	20.0	6.5	1		06/27/12 18:17	7782-49-2	
Silver, Dissolved	**<2.5**	ug/L	10.0	2.5	1		06/27/12 18:17	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.10**	ug/L	0.20	0.10	1	06/27/12 17:45	06/28/12 12:06	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**493**	ug/L	10.0	4.1	10		06/28/12 18:10	71-43-2	
Bromobenzene	**<8.2**	ug/L	10.0	8.2	10		06/28/12 18:10	108-86-1	
Bromochloromethane	**<9.7**	ug/L	10.0	9.7	10		06/28/12 18:10	74-97-5	
Bromodichloromethane	**<5.6**	ug/L	10.0	5.6	10		06/28/12 18:10	75-27-4	
Bromoform	**<9.4**	ug/L	10.0	9.4	10		06/28/12 18:10	75-25-2	
Bromomethane	**<9.1**	ug/L	10.0	9.1	10		06/28/12 18:10	74-83-9	
n-Butylbenzene	**14.3**	ug/L	10.0	9.3	10		06/28/12 18:10	104-51-8	
sec-Butylbenzene	**9.9J**	ug/L	50.0	8.9	10		06/28/12 18:10	135-98-8	
tert-Butylbenzene	**<9.7**	ug/L	10.0	9.7	10		06/28/12 18:10	98-06-6	
Carbon tetrachloride	**<4.9**	ug/L	10.0	4.9	10		06/28/12 18:10	56-23-5	
Chlorobenzene	**<4.1**	ug/L	10.0	4.1	10		06/28/12 18:10	108-90-7	
Chloroethane	**<9.7**	ug/L	10.0	9.7	10		06/28/12 18:10	75-00-3	
Chloroform	**<13.0**	ug/L	50.0	13.0	10		06/28/12 18:10	67-66-3	
Chloromethane	**<2.4**	ug/L	10.0	2.4	10		06/28/12 18:10	74-87-3	
2-Chlorotoluene	**<8.5**	ug/L	10.0	8.5	10		06/28/12 18:10	95-49-8	
4-Chlorotoluene	**<7.4**	ug/L	10.0	7.4	10		06/28/12 18:10	106-43-4	
1,2-Dibromo-3-chloropropane	**<16.8**	ug/L	50.0	16.8	10		06/28/12 18:10	96-12-8	
Dibromochloromethane	**<8.1**	ug/L	10.0	8.1	10		06/28/12 18:10	124-48-1	
1,2-Dibromoethane (EDB)	**<5.6**	ug/L	10.0	5.6	10		06/28/12 18:10	106-93-4	
Dibromomethane	**<6.0**	ug/L	10.0	6.0	10		06/28/12 18:10	74-95-3	
1,2-Dichlorobenzene	**<8.3**	ug/L	10.0	8.3	10		06/28/12 18:10	95-50-1	
1,3-Dichlorobenzene	**<8.7**	ug/L	10.0	8.7	10		06/28/12 18:10	541-73-1	
1,4-Dichlorobenzene	**<9.5**	ug/L	10.0	9.5	10		06/28/12 18:10	106-46-7	
Dichlorodifluoromethane	**<9.9**	ug/L	10.0	9.9	10		06/28/12 18:10	75-71-8	
1,1-Dichloroethane	**<7.5**	ug/L	10.0	7.5	10		06/28/12 18:10	75-34-3	
1,2-Dichloroethane	**<3.6**	ug/L	10.0	3.6	10		06/28/12 18:10	107-06-2	
1,1-Dichloroethene	**<5.7**	ug/L	10.0	5.7	10		06/28/12 18:10	75-35-4	
cis-1,2-Dichloroethene	**<8.3**	ug/L	10.0	8.3	10		06/28/12 18:10	156-59-2	
trans-1,2-Dichloroethene	**<8.9**	ug/L	10.0	8.9	10		06/28/12 18:10	156-60-5	
1,2-Dichloropropane	**<4.9**	ug/L	10.0	4.9	10		06/28/12 18:10	78-87-5	
1,3-Dichloropropane	**<6.1**	ug/L	10.0	6.1	10		06/28/12 18:10	142-28-9	
2,2-Dichloropropane	**<6.2**	ug/L	10.0	6.2	10		06/28/12 18:10	594-20-7	
1,1-Dichloropropene	**<7.5**	ug/L	10.0	7.5	10		06/28/12 18:10	563-58-6	
cis-1,3-Dichloropropene	**<2.0**	ug/L	10.0	2.0	10		06/28/12 18:10	10061-01-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B12 **Lab ID: 4062358015** Collected: 06/20/12 14:45 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	**<1.9**	ug/L	10.0	1.9	10		06/28/12 18:10	10061-02-6	
Diisopropyl ether	**<7.6**	ug/L	10.0	7.6	10		06/28/12 18:10	108-20-3	
Ethylbenzene	**343**	ug/L	10.0	5.4	10		06/28/12 18:10	100-41-4	
Hexachloro-1,3-butadiene	**<6.7**	ug/L	50.0	6.7	10		06/28/12 18:10	87-68-3	
Isopropylbenzene (Cumene)	**16.8**	ug/L	10.0	5.9	10		06/28/12 18:10	98-82-8	
p-Isopropyltoluene	**<6.7**	ug/L	10.0	6.7	10		06/28/12 18:10	99-87-6	
Methylene Chloride	**<4.3**	ug/L	10.0	4.3	10		06/28/12 18:10	75-09-2	
Methyl-tert-butyl ether	**16.5**	ug/L	10.0	6.1	10		06/28/12 18:10	1634-04-4	
Naphthalene	**133**	ug/L	50.0	8.9	10		06/28/12 18:10	91-20-3	
n-Propylbenzene	**44.8**	ug/L	10.0	8.1	10		06/28/12 18:10	103-65-1	
Styrene	**<8.6**	ug/L	10.0	8.6	10		06/28/12 18:10	100-42-5	
1,1,1,2-Tetrachloroethane	**<9.2**	ug/L	10.0	9.2	10		06/28/12 18:10	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.0**	ug/L	10.0	2.0	10		06/28/12 18:10	79-34-5	
Tetrachloroethene	**<4.5**	ug/L	10.0	4.5	10		06/28/12 18:10	127-18-4	
Toluene	**8.4J**	ug/L	10.0	6.7	10		06/28/12 18:10	108-88-3	
1,2,3-Trichlorobenzene	**<7.4**	ug/L	10.0	7.4	10		06/28/12 18:10	87-61-6	
1,2,4-Trichlorobenzene	**<9.7**	ug/L	50.0	9.7	10		06/28/12 18:10	120-82-1	
1,1,1-Trichloroethane	**<9.0**	ug/L	10.0	9.0	10		06/28/12 18:10	71-55-6	
1,1,2-Trichloroethane	**<4.2**	ug/L	10.0	4.2	10		06/28/12 18:10	79-00-5	
Trichloroethene	**<4.8**	ug/L	10.0	4.8	10		06/28/12 18:10	79-01-6	
Trichlorofluoromethane	**<7.9**	ug/L	10.0	7.9	10		06/28/12 18:10	75-69-4	
1,2,3-Trichloropropane	**<9.9**	ug/L	10.0	9.9	10		06/28/12 18:10	96-18-4	
1,2,4-Trimethylbenzene	**<9.7**	ug/L	10.0	9.7	10		06/28/12 18:10	95-63-6	
1,3,5-Trimethylbenzene	**9.0J**	ug/L	10.0	8.3	10		06/28/12 18:10	108-67-8	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		06/28/12 18:10	75-01-4	
m&p-Xylene	**36.4**	ug/L	20.0	18.0	10		06/28/12 18:10	179601-23-1	
o-Xylene	**16.2**	ug/L	10.0	8.3	10		06/28/12 18:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%.	70-130		10		06/28/12 18:10	460-00-4	
Dibromofluoromethane (S)	95	%.	70-130		10		06/28/12 18:10	1868-53-7	
Toluene-d8 (S)	105	%.	70-130		10		06/28/12 18:10	2037-26-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B6 **Lab ID: 4062358016** Collected: 06/20/12 15:00 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**12.8J**	ug/L	20.0	4.7	1		06/27/12 18:19	7440-38-2	
Barium, Dissolved	**184**	ug/L	5.0	1.9	1		06/27/12 18:19	7440-39-3	
Cadmium, Dissolved	**<0.33**	ug/L	5.0	0.33	1		06/27/12 18:19	7440-43-9	
Chromium, Dissolved	**<2.0**	ug/L	5.0	2.0	1		06/27/12 18:19	7440-47-3	
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		06/27/12 18:19	7439-92-1	
Selenium, Dissolved	**<6.5**	ug/L	20.0	6.5	1		06/27/12 18:19	7782-49-2	
Silver, Dissolved	**<2.5**	ug/L	10.0	2.5	1		06/27/12 18:19	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.10**	ug/L	0.20	0.10	1	06/27/12 17:45	06/28/12 12:13	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**69.9**	ug/L	1.0	0.41	1		06/28/12 17:47	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		06/28/12 17:47	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		06/28/12 17:47	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		06/28/12 17:47	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		06/28/12 17:47	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		06/28/12 17:47	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		06/28/12 17:47	104-51-8	
sec-Butylbenzene	**1.1J**	ug/L	5.0	0.89	1		06/28/12 17:47	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/28/12 17:47	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		06/28/12 17:47	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		06/28/12 17:47	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		06/28/12 17:47	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/28/12 17:47	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		06/28/12 17:47	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		06/28/12 17:47	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		06/28/12 17:47	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		06/28/12 17:47	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		06/28/12 17:47	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		06/28/12 17:47	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		06/28/12 17:47	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		06/28/12 17:47	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		06/28/12 17:47	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		06/28/12 17:47	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		06/28/12 17:47	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		06/28/12 17:47	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		06/28/12 17:47	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		06/28/12 17:47	75-35-4	
cis-1,2-Dichloroethene	**3.6**	ug/L	1.0	0.83	1		06/28/12 17:47	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		06/28/12 17:47	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		06/28/12 17:47	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		06/28/12 17:47	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		06/28/12 17:47	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		06/28/12 17:47	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/28/12 17:47	10061-01-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B6 **Lab ID: 4062358016** Collected: 06/20/12 15:00 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		06/28/12 17:47	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		06/28/12 17:47	108-20-3	
Ethylbenzene	**2.6**	ug/L	1.0	0.54	1		06/28/12 17:47	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		06/28/12 17:47	87-68-3	
Isopropylbenzene (Cumene)	**2.2**	ug/L	1.0	0.59	1		06/28/12 17:47	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		06/28/12 17:47	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		06/28/12 17:47	75-09-2	
Methyl-tert-butyl ether	**21.9**	ug/L	1.0	0.61	1		06/28/12 17:47	1634-04-4	
Naphthalene	**8.1**	ug/L	5.0	0.89	1		06/28/12 17:47	91-20-3	
n-Propylbenzene	**4.2**	ug/L	1.0	0.81	1		06/28/12 17:47	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		06/28/12 17:47	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		06/28/12 17:47	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/28/12 17:47	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		06/28/12 17:47	127-18-4	
Toluene	**4.5**	ug/L	1.0	0.67	1		06/28/12 17:47	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		06/28/12 17:47	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	5.0	0.97	1		06/28/12 17:47	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		06/28/12 17:47	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		06/28/12 17:47	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		06/28/12 17:47	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		06/28/12 17:47	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		06/28/12 17:47	96-18-4	
1,2,4-Trimethylbenzene	**7.8**	ug/L	1.0	0.97	1		06/28/12 17:47	95-63-6	
1,3,5-Trimethylbenzene	**3.4**	ug/L	1.0	0.83	1		06/28/12 17:47	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/28/12 17:47	75-01-4	
m&p-Xylene	**7.9**	ug/L	2.0	1.8	1		06/28/12 17:47	179601-23-1	
o-Xylene	**4.6**	ug/L	1.0	0.83	1		06/28/12 17:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		06/28/12 17:47	460-00-4	
Dibromofluoromethane (S)	96	%.	70-130		1		06/28/12 17:47	1868-53-7	
Toluene-d8 (S)	108	%.	70-130		1		06/28/12 17:47	2037-26-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B4 **Lab ID: 4062358017** Collected: 06/20/12 15:15 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		06/27/12 15:17	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		06/27/12 15:17	108-67-8	
Benzene	**<0.39**	ug/L	1.0	0.39	1		06/27/12 15:17	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		06/27/12 15:17	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		06/27/12 15:17	1634-04-4	
Toluene	**0.51J**	ug/L	1.0	0.42	1		06/27/12 15:17	108-88-3	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		06/27/12 15:17	179601-23-1	
o-Xylene	**<0.38**	ug/L	1.0	0.38	1		06/27/12 15:17	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%.	80-120		1		06/27/12 15:17	98-08-8	pH

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B1 **Lab ID: 4062358018** Collected: 06/21/12 09:30 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<4.7**	ug/L	20.0	4.7	1		06/27/12 18:21	7440-38-2	
Barium, Dissolved	**182**	ug/L	5.0	1.9	1		06/27/12 18:21	7440-39-3	
Cadmium, Dissolved	**<0.33**	ug/L	5.0	0.33	1		06/27/12 18:21	7440-43-9	
Chromium, Dissolved	**<2.0**	ug/L	5.0	2.0	1		06/27/12 18:21	7440-47-3	
Lead, Dissolved	**2.1J**	ug/L	7.5	1.7	1		06/27/12 18:21	7439-92-1	
Selenium, Dissolved	**<6.5**	ug/L	20.0	6.5	1		06/27/12 18:21	7782-49-2	
Silver, Dissolved	**<2.5**	ug/L	10.0	2.5	1		06/27/12 18:21	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.10**	ug/L	0.20	0.10	1	06/27/12 17:45	06/28/12 12:15	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		06/28/12 10:29	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		06/28/12 10:29	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		06/28/12 10:29	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		06/28/12 10:29	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		06/28/12 10:29	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		06/28/12 10:29	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		06/28/12 10:29	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		06/28/12 10:29	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/28/12 10:29	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		06/28/12 10:29	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		06/28/12 10:29	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		06/28/12 10:29	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/28/12 10:29	67-66-3	
Chloromethane	**1.8**	ug/L	1.0	0.24	1		06/28/12 10:29	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		06/28/12 10:29	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		06/28/12 10:29	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		06/28/12 10:29	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		06/28/12 10:29	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		06/28/12 10:29	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		06/28/12 10:29	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		06/28/12 10:29	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		06/28/12 10:29	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		06/28/12 10:29	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		06/28/12 10:29	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		06/28/12 10:29	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		06/28/12 10:29	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		06/28/12 10:29	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		06/28/12 10:29	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		06/28/12 10:29	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		06/28/12 10:29	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		06/28/12 10:29	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		06/28/12 10:29	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		06/28/12 10:29	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/28/12 10:29	10061-01-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B1 **Lab ID: 4062358018** Collected: 06/21/12 09:30 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		06/28/12 10:29	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		06/28/12 10:29	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		06/28/12 10:29	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		06/28/12 10:29	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		06/28/12 10:29	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		06/28/12 10:29	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		06/28/12 10:29	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		06/28/12 10:29	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		06/28/12 10:29	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		06/28/12 10:29	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		06/28/12 10:29	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		06/28/12 10:29	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/28/12 10:29	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		06/28/12 10:29	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		06/28/12 10:29	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		06/28/12 10:29	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	5.0	0.97	1		06/28/12 10:29	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		06/28/12 10:29	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		06/28/12 10:29	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		06/28/12 10:29	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		06/28/12 10:29	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		06/28/12 10:29	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/28/12 10:29	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		06/28/12 10:29	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/28/12 10:29	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		06/28/12 10:29	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		06/28/12 10:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		06/28/12 10:29	460-00-4	
Dibromofluoromethane (S)	99	%.	70-130		1		06/28/12 10:29	1868-53-7	
Toluene-d8 (S)	104	%.	70-130		1		06/28/12 10:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B13 **Lab ID: 4062358019** Collected: 06/21/12 01:10 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<4.7**	ug/L	20.0	4.7	1		06/27/12 18:28	7440-38-2	
Barium, Dissolved	**482**	ug/L	5.0	1.9	1		06/27/12 18:28	7440-39-3	
Cadmium, Dissolved	**0.40J**	ug/L	5.0	0.33	1		06/27/12 18:28	7440-43-9	
Chromium, Dissolved	**<2.0**	ug/L	5.0	2.0	1		06/27/12 18:28	7440-47-3	
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		06/27/12 18:28	7439-92-1	
Selenium, Dissolved	**<6.5**	ug/L	20.0	6.5	1		06/27/12 18:28	7782-49-2	
Silver, Dissolved	**<2.5**	ug/L	10.0	2.5	1		06/27/12 18:28	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.10**	ug/L	0.20	0.10	1	06/27/12 17:45	06/28/12 12:17	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		06/28/12 10:52	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		06/28/12 10:52	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		06/28/12 10:52	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		06/28/12 10:52	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		06/28/12 10:52	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		06/28/12 10:52	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		06/28/12 10:52	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		06/28/12 10:52	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/28/12 10:52	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		06/28/12 10:52	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		06/28/12 10:52	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		06/28/12 10:52	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/28/12 10:52	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		06/28/12 10:52	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		06/28/12 10:52	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		06/28/12 10:52	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		06/28/12 10:52	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		06/28/12 10:52	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		06/28/12 10:52	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		06/28/12 10:52	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		06/28/12 10:52	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		06/28/12 10:52	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		06/28/12 10:52	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		06/28/12 10:52	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		06/28/12 10:52	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		06/28/12 10:52	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		06/28/12 10:52	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		06/28/12 10:52	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		06/28/12 10:52	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		06/28/12 10:52	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		06/28/12 10:52	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		06/28/12 10:52	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		06/28/12 10:52	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/28/12 10:52	10061-01-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: B13 **Lab ID: 4062358019** Collected: 06/21/12 01:10 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		06/28/12 10:52	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		06/28/12 10:52	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		06/28/12 10:52	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		06/28/12 10:52	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		06/28/12 10:52	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		06/28/12 10:52	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		06/28/12 10:52	75-09-2	
Methyl-tert-butyl ether	**1.1**	ug/L	1.0	0.61	1		06/28/12 10:52	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		06/28/12 10:52	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		06/28/12 10:52	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		06/28/12 10:52	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		06/28/12 10:52	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/28/12 10:52	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		06/28/12 10:52	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		06/28/12 10:52	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		06/28/12 10:52	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	5.0	0.97	1		06/28/12 10:52	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		06/28/12 10:52	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		06/28/12 10:52	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		06/28/12 10:52	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		06/28/12 10:52	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		06/28/12 10:52	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/28/12 10:52	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		06/28/12 10:52	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/28/12 10:52	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		06/28/12 10:52	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		06/28/12 10:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		06/28/12 10:52	460-00-4	
Dibromofluoromethane (S)	99	%.	70-130		1		06/28/12 10:52	1868-53-7	
Toluene-d8 (S)	104	%.	70-130		1		06/28/12 10:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: TRIP BLANK **Lab ID: 4062358020** Collected: 06/21/12 01:10 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		06/27/12 19:23	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		06/27/12 19:23	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		06/27/12 19:23	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		06/27/12 19:23	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		06/27/12 19:23	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		06/27/12 19:23	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		06/27/12 19:23	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		06/27/12 19:23	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/27/12 19:23	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		06/27/12 19:23	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		06/27/12 19:23	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		06/27/12 19:23	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/27/12 19:23	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		06/27/12 19:23	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		06/27/12 19:23	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		06/27/12 19:23	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		06/27/12 19:23	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		06/27/12 19:23	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		06/27/12 19:23	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		06/27/12 19:23	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		06/27/12 19:23	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		06/27/12 19:23	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		06/27/12 19:23	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		06/27/12 19:23	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		06/27/12 19:23	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		06/27/12 19:23	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		06/27/12 19:23	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		06/27/12 19:23	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		06/27/12 19:23	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		06/27/12 19:23	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		06/27/12 19:23	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		06/27/12 19:23	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		06/27/12 19:23	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/27/12 19:23	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		06/27/12 19:23	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		06/27/12 19:23	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		06/27/12 19:23	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		06/27/12 19:23	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		06/27/12 19:23	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		06/27/12 19:23	99-87-6	
Methylene Chloride	**1.2**	ug/L	1.0	0.43	1		06/27/12 19:23	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		06/27/12 19:23	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		06/27/12 19:23	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		06/27/12 19:23	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		06/27/12 19:23	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		06/27/12 19:23	630-20-6	

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ANALYTICAL RESULTS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

Sample: TRIP BLANK **Lab ID: 4062358020** Collected: 06/21/12 01:10 Received: 06/22/12 10:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/27/12 19:23	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		06/27/12 19:23	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		06/27/12 19:23	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		06/27/12 19:23	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	5.0	0.97	1		06/27/12 19:23	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		06/27/12 19:23	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		06/27/12 19:23	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		06/27/12 19:23	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		06/27/12 19:23	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		06/27/12 19:23	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/27/12 19:23	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		06/27/12 19:23	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/27/12 19:23	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		06/27/12 19:23	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		06/27/12 19:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		1		06/27/12 19:23	460-00-4	
Dibromofluoromethane (S)	96	%.	70-130		1		06/27/12 19:23	1868-53-7	
Toluene-d8 (S)	103	%.	70-130		1		06/27/12 19:23	2037-26-5	

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	GCV/8578	Analysis Method:	WI MOD GRO
QC Batch Method:	TPH GRO/PVOC WI ext.	Analysis Description:	WIGRO Solid GCV

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	GCV/8592	Analysis Method:	WI MOD GRO
QC Batch Method:	TPH GRO/PVOC WI ext.	Analysis Description:	WIGRO Solid GCV

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	GCV/8574	Analysis Method:	WI MOD GRO
QC Batch Method:	WI MOD GRO	Analysis Description:	WIGRO GCV Water

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	ICP/6141	Analysis Method:	EPA 6010
QC Batch Method:	EPA 6010	Analysis Description:	ICP Metals, Trace, Dissolved

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	MERP/3158	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury Dissolved

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	MERP/3151	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	MPRP/7092	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	MPRP/7094	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	MSV/15663	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	MSV/15656	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV

Associated Lab Samples:

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	MSV/15672	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	OEXT/14977	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3541	Analysis Description:	8082 GCS PCB

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	OEXT/14975	Analysis Method:	EPA 8270 by SIM
QC Batch Method:	EPA 3546	Analysis Description:	8270/3546 MSSV PAH by SIM

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	OEXT/14973	Analysis Method:	WI MOD DRO
QC Batch Method:	WI MOD DRO	Analysis Description:	WIDRO GCS

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	PMST/7246	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	PMST/7247	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture

Associated Lab Samples:

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QUALITY CONTROL DATA

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

QC Batch:	PMST/7251	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture

Associated Lab Samples:

Pace Analytical Services, Inc.
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QUALIFIERS

Project: 194517.0000.0000 DANE COUNTY
Pace Project No.: 4062358

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

4062358

(Please Print Clearly)	
Company Name:	TRC ENV
Branch/Location:	MADISON
Project Contact:	T. O'Connell
Phone:	608-630-6710
Project Number:	194517-0000-0000
Project Name:	Dane County Hwy Garage
Project State:	WI
Sampled By (Print):	T. O'Connell
Sampled By (Sign):	
PO #:	46384
Regulatory Program:	

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

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	Dan Haak
Invoice To Company:	TRC ENV.
Invoice To Address:	708 Heartland Trail Madison WI 53717
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air; B = Biota; C = Charcoal; O = Oil; S = Soil; SI = Sludge; W = Water; DW = Drinking Water; GW = Ground Water; SW = Surface Water; WW = Waste Water; WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	GRO	DRO	VOCs	PCB	PAH	RCRA 8 METALS	PVOL/LVOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	B1-2.5-5.0	6/21/12	1330	S		F	X	X	X	X	X	X		4-4oz p^A/ag^{AA}/cg^A; 2-40mlF		
002	B2-0-2.5		1255			A		X	X					2-4oz p^A/cg^A; 1-40mlF		
003	B4-5-7.5		1150			F		X					X			
004	B6-0-2.5		1030			A	X	X	X	X	X	X		4-4oz p^A/ag^{AA}/cg^A; 2-40mlF		
005	B6-7.5-10		1045			A	X	X	X	X	X	X				
006	B7-6.0-7.0		940			A	X	X	X			X		2-4oz p^A/cg^A; 2-40mlF		
007	B8-2.5-3.5		910			A	X	X	X			X				
008	B9-2.5-3.5		930			F		X					X	; 1-40mlF		
009	B10-0-2.5		1000			F		X					X	1-4oz cg^A; 1 ziplak; 1-40mlF		
010	B11-0-0.5		800			A			X			X		1-4oz p^A; 1-40mlF		
011	B12-0-0.5	6/21/12	1000			A		X	X			X		2-4oz p^A/cg^A; 1-40mlF		
	~~B8 TMD~~	6/20/12	1400	GW												
	~~B7 TMD~~	"	1445	"												

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	6/21/12 1145	TRC Courier	6/21/12 1145
CS Logistics	6/22/12 1055	E Nelmy PaceGB	6/22/12 1055

PACE Project No. 4062358

Receipt Temp = 2.0 °C

Sample Receipt pH (OK) Adjusted

Cooler Custody Seal Present (Not Present) Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

4062358

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CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	
Branch/Location:	
Project Contact:	See Pg 1
Phone:	
Project Number:	
Project Name:	
Project State:	
Sampled By (Print):	
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	See Pg 1
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SL = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	Pick Letter	Analyses Requested: VOCs	PVOCs	RCRA 8 METALS	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	A						
					N	A						
					Y	D						
012	B8	6/20/12	1400	GW			X		X		3-40mlB; 1-250mlP	
013	B7		1415				X		X			
014	B9		1430					X				
015	B12		1445				X		X			
016	B6		1500				X		X			
017	B4		1515					X				
018	B1	6/21/12	930				X		X			
019	B13		1010				X		X			
020	Trip blank*										2-40mlB	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[illegible]	6/21/12 1145	TRC Cooler	6/21/12 1145
C-S Logistics	6/22/12 1055	E Helwig PaceGB	6/22/12 1055

PACE Project No. 4062358

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present (Not Present) Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

*added to COC by lab EMH 6/22/12

ORIGINAL

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Condition Upon Receipt

Pace Analytical

Client Name: TRC Project # 40162358

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace Other _____

Tracking #: _____

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

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None Other

Thermometer Used N/A Type of Ice: (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun.

Cooler Temperature ROI Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Optional: Proj. Due Date: Proj. Name:

Person examining contents: Date: 6/22/12 Initials: EMH

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W,S	☑Yes ☐No ☐N/A	12. No dates on samples, but times match EMH 6/22/12
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No ☐Yes ☐No	Initial when completed EMH Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16. Trip blank added to COC by lab EMH 6/22/12
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

Field Data Required? Y / N

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: MAT for TN **Date:** 6.25.12

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

Appendix E
Notifications of Hazardous Substance Discharge (WDNR Form 4400-225)

O'Connell, Theodore

From: O'Connell, Theodore
Sent: Wednesday, August 01, 2012 2:39 PM
To: 'dnrrrscr@wisconsin.gov'
Cc: 'randall.maass@wisconsin.gov'; Haak, Daniel; Lipp, Brenda
Subject: Notification for Hazardous Substance Discharge
Attachments: 194517.001.pdf; WDNR Form 4400-225.pdf; 4062358_fr.pdf

Attached are the lab results along with site figure for the Dane County Highway Garage located at 2520 CTH B in Stoughton, where soil and groundwater contamination was encountered during a Phase 3 investigation for WisDOT.

Please let me know if you have any questions

Ted O'Connell
Environmental Scientist

TRC Environmental Corporation
708 Heartland Trail, Madison, WI 53717
T: 608.826.3648 | F: 608.826.3941 | C: 608.630.6710
www.trcsolutions.com

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Notification For Hazardous Substance Discharge (Non-Emergency Only)

Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

Notice: Hazardous substance discharges must be reported immediately according to s. 292.11 Wis. Stats. Non-emergency hazardous substance discharges may be reported by telefaxing or e-mailing a completed report to the Department, or calling or visiting a Department office in person. If you choose to notify the Department by telefax or by email, you should use this form to be sure that all necessary information is included. However, use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than $10 nor more than $5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.).

Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** NOTIFY appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from **(check one)**:

☐ Underground Petroleum Storage Tank System (additional information may be required for Item 6 below)
☐ Aboveground Petroleum Storage Tank System
☐ Dry Cleaner Facility
☒ Other - Describe: Soil and Groundwater Contamination

ATTN DNR: **R & R Program Associate** Date DNR Notified: 08/01/2012

1. Discharge Reported By

Name	Firm	Phone No. (include area code)
Ted O'Connell	TRC Environmental Corporation	(608) 826-3648

Mailing Address	Email Address
708 Heartland Trail, Madison, WI 53717	toconnell@trcsolutions.com

2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence/vacant property. Dane County Highway Garage (2520 CTH B)

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60. 2520 CTH B

Municipality: (City, Village, Township) Specify municipality in which the site is located, not mailing address/city.
Stoughton

County:	Legal Description:	WTM:
Dane	___ 1/4 ___ 1/4 Sec ___ Tn ___ Range ___ ○E ○W	X _____ Y _____

3. Responsible Party (RP) and/or RP Representative

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Dane County

☐ Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under s. 292.11(9)(e), Wis. Stats. For more information see **http://dnr.wi.gov/org/aw/rr/lgu/liability.htm**.

Contact Person Name (if different)	Phone Number	Email Address
Pam Dunphy	(608) 266-4036	dunphy@co.dane.wi.us

Mailing Address	City	State	ZIP Code
2302 Fish Hatchery Road	Madison	WI	53713

Property owner if Different From RP: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Contact Person Name (if different)	Phone Number	Email Address

Mailing Address	City	State	ZIP Code

(continued)

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Notification For Hazardous Substance Discharge (Non-Emergency Only)

4. Hazardous Substance Information

Identify hazardous substance discharged (check all that apply):

- ☒ VOC's
- ☒ PAH's
- ☐ Metals (specify): _____
- ☐ Arsenic
- ☐ Chromium
- ☐ Cyanide
- ☐ Lead
- ☐ PCB's
- ☒ Diesel
- ☐ Fuel Oil
- ☒ Gasoline
- ☐ Hydraulic Oil
- ☐ Jet Fuel
- ☐ Mineral Oil
- ☒ Waste Oil
- ☐ Petroleum-Unknown Type
- ☐ PERC (Dry Cleaners)
- ☐ RCRA Hazardous Waste
- ☐ Leachate
- ☐ Fertilizer
- ☐ Pesticide/Herbicide/Insecticide(s)
- ☐ Other (specify): _____
- ☐ Unknown

5. Impacts to the Environment Information

Enter "K" for known/confirmed or "P" for potential for all that apply.

- ___ Air Contamination
- ___ Co-Contamination (Petroleum & Non-Petroleum)
- ___ Contamination Within 1 Meter of Bedrock
- ___ Contaminated Private Well
- ___ Contaminated Public Well
- ___ Contamination in Fractured Bedrock
- ___ Sanitary Sewer Contamination
- P Contamination in Right of Way
- ___ Fire Explosion Threat
- ___ Free Product
- K Groundwater Contamination
- P Off-Site Contamination
- ___ Other (specify): _____
- K Soil Contamination
- ___ Storm Sewer Contamination
- P Surface Water Contamination
- ___ Within 100 ft of Private Well
- ___ Within 1000 ft of Public Well

Contamination was discovered as a result of:

☐ Tank closure assessment Date _____
☐ Site assessment Date _____
☒ Other - Describe: Phase 3 Investigation for WisDOT Date 06/20/2012

Lab results: ☐ Lab results will be faxed upon receipt ☒ Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))

For all confirmed releases from UST's occurring after 9/30/2007 please provide the following information:

☒ Does not apply.

Source

- ☐ Tank
- ☐ Piping
- ☐ Dispenser
- ☐ Submersible Turbine Pump
- ☐ Delivery Problem
- ☐ Other (specify): _____

Cause

- ☐ Spill
- ☐ Overfill
- ☐ Corrosion
- ☐ Physical or Mechanical Damage
- ☐ Installation Problem
- ☐ Other (does not fit any of above)
- ☐ Unknown

Contact information to report non-emergency releases in DNR's five regions are as follows:

Northeast Region (FAX: 920-662-5197); Attention -- R&R Program Associate: DNRRRNER@wisconsin.gov
Brown, Calumet, Door, Fond du Lac **(except City of Waupun - see South Central Region)**, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Sheboygan, Waupaca, Waushara, Winnebago counties

Northern Region (FAX: 715-623-6773); Attention -- R&R Program Associate: DNRRRNOR@wisconsin.gov
Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties

South Central Region (FAX: 608-273-5610); Attention -- R&R Program Associate: DNRRRSCR@wisconsin.gov
Columbia, Dane, Dodge, Fond du Lac **(City of Waupun only)**, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk, Walworth counties

Southeast Region (FAX: 414-263-8550); Attention -- R&R Program Associate: DNRRRSER@wisconsin.gov
Kenosha, Milwaukee, Ozaukee, Racine, Washington, Waukesha counties

West Central Region (FAX: 715-839-6076); Attention -- R&R Program Associate: DNRRRWCR@wisconsin.gov
Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties

Wisconsin Department of Natural Resources

Environmental Cleanup & Brownfields Redevelopment

BRRTS on the Web

The Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web is a searchable database containing information on the investigation and cleanup of potential and confirmed contamination to soil and groundwater in Wisconsin.

Navigation: BOTW Home >> Basic Search >> Search Results >> 02-13-559101 Activity Details

02-13-559101 DANE CNTY HWY GARAGE STOUGHTON

ERP - OPEN

Location Name (Click name to view details and other activities)				County	WDNR Region
DANE CNTY HWY GARAGE STOUGHTON				DANE	STH CNTRL
Address				Municipality	
2520 CTH B				STOUGHTON	
Public Land Survey System			Latitude	Google Maps	RR Sites Map
SE 1/4 of the NW 1/4 of Sec 33, T06N, R11E			42.941119	CLICK TO VIEW	CLICK TO VIEW
Additional Location Description			Longitude	Facility ID	Size (Acres)
NONE			-89.2028497	NONE	UNKNOWN
Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action
DNR RR			2012-08-01		2012-08-06

Characteristics

EPA NPL Site?	DSPS Tracked?	Eligible for PECFA Funds?	Above Ground Storage Tank?	Drycleaner?	Co-Contamination?	On GIS Registry?
No	No	No	No	No	No	No

Actions

Place Cursor Over Code to View Description

Date	Code	Name	Comment
2012-08-01	1	Notification	-
2012-08-06	2	RP Letter Sent	-

Impacts

Type	Comment
Groundwater Contamination	-
Soil Contamination	-

Substances

Substance	Type	Amount Released	Units
Diesel Fuel	Petroleum		
Gasoline - Unleaded and Leaded	Petroleum		
Volatile Organic Compounds	VOC		
Polynuclear Aromatic Hydrocarbons	Petroleum		
Engine Waste Oil	Petroleum		

Who

Click Project Manager Name to Compose Email

Role	Name/Address
Responsible Party	DANE COUNTY HWY DEPT 2302 FISH HATCHERY ROAD MADISON, WI 53713
Project Manager	RANDALL MAASS 3911 FISH HATCHERY RD FITCHBURG, WI 53711

Quick Response Codes

Scan to Transfer Information to Your Wireless Device

Page URL | Google Maps

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information. Please see the disclaimers page for more information.

The Official Internet site for the Wisconsin Department of Natural Resources
101 S. Webster Street . PO Box 7921 . Madison, Wisconsin 53707-7921 . 608.266.2621

Release 2.12.5 | 08/01/2012

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott Walker, Governor
Cathy Stepp, Secretary

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 6, 2012

BRRTS # 02-13-559101

Pam Dunphy
Dane County Highway Garage
2302 Fish Hatchery Road
Madison WI 53713

SUBJECT: Reported Contamination at: **Dane Cnty Hwy Garage Stoughton located at 2520 CTH B In Stoughton WI**

Dear Ms. Dunphy:

On August 1, 2012 the Department of Natural Resources (WDNR) was notified that contamination had been detected at the site described above. Based on the information that has been submitted to the WDNR regarding this site, we believe you are responsible for investigating and restoring the environment at the above described site under Section 292.11, Wisconsin Statutes, known as the hazardous substances spills law.

This letter describes the legal responsibilities of a person who is responsible under section 292.11, Wis. Stats., explains what you need to do to investigate and clean up the contamination, and provides you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the WDNR, Department of Safety and Professional Services (DSPS) or the Department of Agriculture, Trade and Consumer Protection (DATCP).

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 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 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. 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 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 Wis. Adm. Code rule series and should adhere to current WDNR technical guidance documents.

In addition, within 30 days of completion of the site investigation, your consultant should submit a site investigation report to the DNR or other agency with administrative authority.

For sites with petroleum contamination, when your investigation has established the degree and extent of contamination, your consultant will be able to determine whether the Department of Safety and Professional Services or the WDNR has authority over the case. For agrichemicals, your case will be transferred to the Department of Agriculture, Trade and Consumer Protection for oversight.

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 WDNR's internet site. You may view the information related to your site at any time (http://dnr.wi.gov/botw/SetUpBasicSearchForm.do) and use the feedback system to alert us to any errors in the data.

If you want a formal written 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 and cleanup to maintain your compliance with the spills law and chapters NR 700 through NR 749. **Do not delay the investigation of your site by waiting for an agency response.** We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative rules and should be able to answer your questions on meeting cleanup requirements.

Randall Maass
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

Unless otherwise requested, please send only one copy of plans and reports. In addition to the paper copy, an electronic copy may also be submitted. To speed processing, correspondence should reference the BRRTS and FID numbers (if assigned) shown at the top of this letter.

Site Investigation and Vapor Pathway Analysis

As you develop the site investigation workplan, we want to remind you to include an assessment of the vapor intrusion pathway. Chapter NR 716, Wisconsin Administrative Code outlines the requirements for investigation of contamination in the environment. Specifically, s. NR 716.11(3)(a) requires that the field investigation determine the "nature, degree and extent, both areal and vertical, of the hazardous substances or environmental pollution in all affected media". In addition, section NR 716.11(5) specifies that the field investigation include an evaluation of the "pathways for migration of the contamination, including drainage improvements, utility corridors, bedrock and permeable material or soil along which vapors, free product or contaminated water may flow".

You will need to include documentation with the Site Investigation Report that explains how the assessment was done. If the pathway is being ruled out, then the report needs to provide the appropriate justification for reaching this conclusion. If the pathway cannot be ruled out, then investigation and, if appropriate, remedial action must be taken to address the risk presented prior to submitting the site for closure. The DNR has developed guidance to help responsible parties and their consultants comply with the requirements described above. The guidance includes a detailed explanation of how to assess the vapor intrusion pathway and provides criteria which identify when an investigation is necessary. The guidance is available at: http://dnr.wi.gov/org/aw/rr/archives/pubs/RR800.pdf.

Additional Information for Site Owners

We encourage you to visit our website at http://dnr.wi.gov/org/aw/rr, where you can find information on selecting a consultant, financial assistance and understanding the cleanup process. You will also find information there about liability clarification letters, post-cleanup liability and more.

If you have questions, call the DNR Project Manager Randall Maass at 608 275-3224 for more information or visit the RR web site at the address above.

Thank you for your cooperation.

Sincerely,

Wendy Weikemuller (for)

Randall Maass
(608) 275-3224
Enclosures

cc: File
-> Ted O'Connell TRC
Jennifer Grimes
Jeff Berens DOT