

**Technical Assistance and
Environmental Liability Clarification Request
Remediation and Redevelopment Program**

Form 4400-237 (12/05)

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Notice: Personally identifiable information that is collected will be used to process your request and may be made available by request under Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

Purpose: Use this form to request a written response from the Department regarding technical assistance or liability clarification for property with known or suspected environmental contamination. A fee is authorized by s. 292.55, Wis. Stats., and required under NR 749, Wis. Adm. Code.

Definitions

"Property" refers to the subject property that is perceived to have been or has been impacted by the discharge of hazardous substances.

"Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a property, as provided in s. 292.55, Wis. Stats.

"Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a property in response to a request made on this form, as provided in s. 292.55, Wis. Stats.

Select the Correct Form

Select the correct form to facilitate the processing of your request. Do not use this form if one of the following applies:

- Request for an **off-site liability exemption or clarification** for property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s. 292.21, Wis. Stats., if no response or review by DNR is requested. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for property where the investigation and cleanup actions are completed. Use DNR's Case Summary and Closeout Request Form 4400-202.
- Submittal of Operation, Maintenance, Monitoring and Optimization Reporting of Soil and Groundwater Remediation Systems as part of an ongoing cleanup. Use DNR's Form 4400-194.

All forms, publications and additional information are available on the Internet at: dnr.wi.gov/org/law/rr/, or by contacting the staff listed on the last page.

Instructions

1. Complete Sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested. See Section 3 for technical assistance, Section 4 for a written determination or clarification of environmental liabilities, or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4 or 5, unless the property is in the Voluntary Party Liability Exemption Program and the questions in Section 2 direct otherwise.
4. Send the completed request and supporting materials to the appropriate DNR regional office where the property is located. See the map on the last page. Contact the DNR project manager or call the phone numbers listed with any questions.

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

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Section 1. Recipient of the Technical Assistance, Liability Clarification or Agreement from the Department

This is the person who is requesting that his or her liability be clarified or who is seeking technical assistance or a specialized agreement and is identified as the applicant in Section 7. DNR will address its response to this person.

Name <i>Shirley Carlson</i>		Organization/Business Name <i>Shirley Corp. 1161a Shorewood Queensway</i>	
Mailing Address <i>4300 N. Oakland Avenue</i>		City <i>Shorewood</i>	State ZIP Code <i>WI 53211</i>
Telephone Number <i>414-962-5150</i>	Fax Number	E-Mail Address	

The applicant listed above: (select all that apply)

Is currently the owner
 Is renting or leasing the property
 Is considering acquiring the property
 Has mortgagee interest in the property
 Is considering selling the property
 Other. Explain the status of the property with respect to the applicant: _____

Contact Information (to be contacted with questions about this request)

Contact Name	Organization/Business Name
Telephone Number	E-Mail Address

Environmental Consultant (if applicable)

Consultant Name <i>Jeff Carnahan</i>		Organization Name <i>Enviro Forensics</i>	
Mailing Address <i>602 N. Capitol Ave. Suite 210</i>		City <i>Indianapolis</i>	State ZIP Code <i>IN 46204</i>
Telephone Number <i>317-972-7870</i>	Fax Number	E-Mail Address <i>jcarnahan@enviroforensics.com</i>	

Attorney (if applicable)

Attorney Name		Organization Name	
Mailing Address		City	State ZIP Code
Telephone Number	Fax Number	E-Mail Address	

Section 2. Property Information

BRRTS No. (if known) <i>02-41-55289</i>	FID No. (if known)	Property Name <i>Shorewood Queensway Cleaners</i>	
Street Address <i>4300 N. Shorewood Ave</i>		City <i>Shorewood</i>	State ZIP Code <i>WI 53211</i>
County <i>Milwaukee</i>	Municipality where the property is located: <input type="checkbox"/> City <input type="checkbox"/> Town <input checked="" type="checkbox"/> Village of <i>Shorewood</i>	Property is composed of: <input checked="" type="checkbox"/> a single tax parcel <input type="checkbox"/> multiple tax parcels	Property Size Acres

Is a response needed by a specific date? (e.g., property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.
 No Yes - Date: _____ Reason: _____

Is this property currently enrolled in or undergoing cleanup actions under the Voluntary Party Liability Exemption (VPLE) program?

No. Include the fee that is required for your request in Section 3, 4 or 5.
 Yes. If yes, is the recipient listed above also the voluntary party who is currently enrolled in the VPLE program at the property?
 No. Include the fee that is listed for your request in Section 3, 4 or 5.
 Yes. Do not include a separate fee. This request will be billed separately through the VPLE Program.

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Fill out the information in Section 3, 4 or 5, which corresponds with the type of request: technical assistance, liability clarification, or specialized agreement.

Section 3. Request for Technical Assistance

Select the type of technical assistance requested:

- No Further Response Required (Immediate Actions) – NR 708.09 – Include a fee of \$250. Use for a written response to an immediate action after a discharge or discovery of hazardous substance. Generally, these are one-time spill events.
- No Further Site Investigation Necessary – s. NR 716.05 – Include a fee of \$500. Use where an environmental discharge was found but no DNR-approved site investigation or clean-up work was required. This is not a closure letter.
- Review of Site Investigation Workplan – NR 716.09 – Include a fee of \$500.
- Review of Site Investigation Report – NR 716.09 – Include a fee of \$750.
- Approval of a Site Specific Soil Cleanup Standard – NR 720.19 Reports – Include a fee of \$750.
- Review of a Remedial Action Options Report – NR 722.07 – Include a fee of \$750.
- Review of a Remedial Design Report – NR 724.09 – Include a fee of \$750.
- Review of a Construction Documentation Report – NR 724.17 – Include a fee of \$250.
- Review of a Long-term Monitoring Plan – NR 724.17 – Include a fee of \$300.
- Review of Phase I and Phase II Environmental Assessment and other supporting documentation to qualify for the Wisconsin Brownfields Insurance Program (WBIP) – Include a fee of \$500.
- Other Technical Assistance – s. 292.55, Wis. Stats.
 - No Further Site Investigation Necessary – s. NR 716.05 – Include a fee of \$500. Use where an environmental discharge was found but no DNR-approved site investigation or clean-up work was required. This is not a closure letter.
 - Review of Phase I and Phase II Environmental Assessment and other supporting documentation to qualify for the Wisconsin Brownfields Insurance Program (WBIP) – Include a fee of \$500.
 - Other Technical Assistance – Include a fee of \$500. Explain your request below or in an attachment.
See Enclosed Status Report

Skip Sections 4 and 5 if the technical assistance you are requesting is listed above. Complete Sections 6 and 7 of this form.

Section 4. Request for Liability Clarification

Select the type of liability clarification requested. Use the available space given or attach information, explanations, or specific questions that you need answered in DNR's reply. Complete Sections 6 and 7 of this form.

- Lender liability exemption clarification – s. 292.21, Wis. Stats. – Include a fee of \$500.
Provide the following documentation: (1) owner status; (2) an environmental assessment, in accordance with s. 292.21, Wis. Stats., if the property has been acquired by the lender; (3) the date the environmental assessment was conducted; (4) the date of property acquisition; and (5) the means by which the property was acquired.
- Clarify the liability associated with a "closed" property – s. 292.55, Wis. Stats. – Include a fee of \$500.
Include a copy of any closure determinations from state agencies other than DNR.
- Clarification of local governmental unit (LGU) liability exemption – s. 292.11(9)(e), Wis. Stats. – Include a fee of \$500, a summary of the environmental liability clarification being requested, and the following:
 - (1) current and proposed ownership status of the property;
 - (2) date and means by which the property was acquired by the LGU, where applicable;
 - (3) summary of current uses of the property; and
 - (4) intended or potential use(s) of the property.

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Section 4. Request for Liability Clarification (continued)

- Lease liability clarification – s. 292.55, Wis. Stats. – **Include a fee of \$500 for a single property, or \$1000 for multiple properties and the information listed below:**
- (1) a copy of the proposed lease;
 - (2) the name of the current owner of the property and the person who will lease the property;
 - (3) a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the property;
 - (4) map(s) showing the property location and any suspected or known sources of contamination detected on the property;
 - (5) a description of the intended use of the property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the property; and
 - (6) all reports or investigations (e.g. Phase I and Phase II Environmental Assessment Reports) that identify areas of the property where a discharge has occurred. For any environmental data submitted include:
 - a) property map(s) showing sampling locations for all data submitted;
 - b) interpretation of data signed by a qualified environmental professional;
 - c) soil boring logs;
 - d) groundwater monitoring well construction, development and sampling logs;
 - e) soil and groundwater data reports from certified laboratories;
 - f) survey information for groundwater elevations;
 - g) chain of custody forms for all samples; and
 - h) description of sample collection methods.
- General or other environmental liability clarification – s. 292.55, Wis. Stats. – Explain your request below. **Include a fee of \$500 and an adequate summary of relevant environmental work to date.**

Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR.

See Enclosed Status Report. Project Manager John Hunt.

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Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: dnr.wi.gov/org/aw/rr/financial/del_taxes.html.

- Tax cancellation agreement – s. 75.105(2)(d), Wis. Stats. – Include a fee of \$500, Phase I and II Environmental Assessment Reports, and a draft agreement.
- Agreement for assignment of tax foreclosure judgment – s. 75.106, Wis. Stats. – Include a fee of \$500, Phase I and II Environmental Assessment Reports, and a draft agreement.
- Negotiated agreement – Enforceable contract for non-emergency remediation – s. 292.11(7)(d) and (e), Wis. Stats. – Include a fee of \$1000. Include a draft schedule for remediation and provide the name, mailing address, phone and email for each party to the agreement.

Section 6. Other Information Submitted

Identify all materials that are included with this request.

Include one copy of any document from the Departments of Commerce; Agriculture, Trade and Consumer Protection (ATCP); or other agency files that you want the Department to review as part of this request. The applicant is responsible for contacting Commerce or DATCP to obtain appropriate reports or information.

- Phase I Environmental Site Assessment Report — Date: _____
- Phase II Environmental Site Assessment Report — Date: _____
- Map of the property
- Analytical results of the following sampled media: Select all that apply and include date of collection.
 - Groundwater
 - Soil
 - Sediment
 - Other medium – Describe: Soil Gas, Sub-slab Vapor
- Date of Collection: _____
- A copy of the closure letter and submittal materials
- Draft tax cancellation agreement
- Draft agreement for assignment of tax foreclosure judgment
- Other report(s) or information – Describe: _____

For property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?


- Yes – Date (if known): _____
- No

Note: The Fax Notification for Hazardous Substance Discharge (non-emergency) form is available at: dnr.wi.gov/org/aw/rr/archives/pubs/4400-225.pdf.

Section 7. Certification by the Person who completed this form

- I am the applicant and I prepared this request.
- I prepared this request for: Shirley Carlson
Applicant Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge.

Signature 	Date Signed 6/14/2011
Title Senior Project Manager	Telephone Number 317-472-7870

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Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver the completed request, supporting materials, and fee to the region where the property is located. Contact the individual listed with any questions about this form or a specific situation involving contaminated property.

DNR NORTHERN REGION

Attn: RR Program Assistant
Department of Natural Resources
107 Suttiff Avenue
Rhineland WI 54501
John Sager (715) 623-4190 Ext. 3125

DNR NORTHEAST REGION

Attn: RR Program Assistant
Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313
Annette Weissbach (920) 662-5165

DNR SOUTH CENTRAL REGION

Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711
Mike Schmoller (608) 275-3303

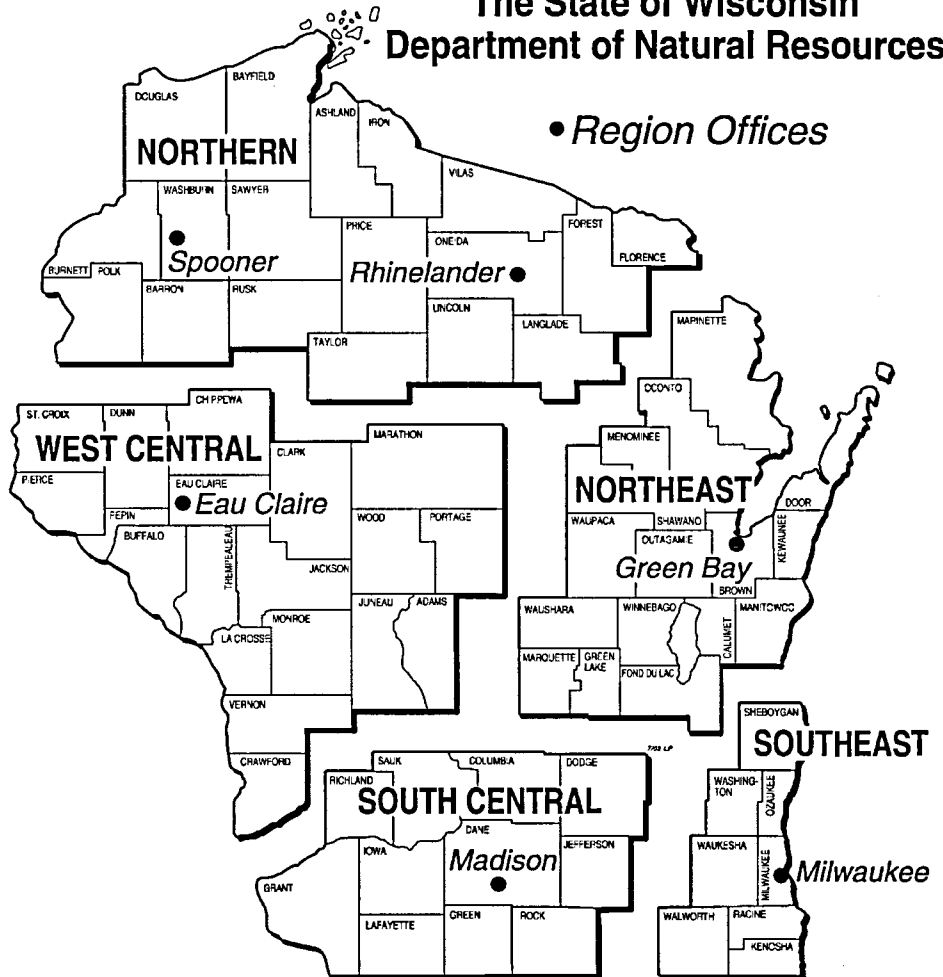
DNR SOUTHEAST REGION

Attn: RR Program Assistant
Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee WI 53212
Margaret Brunette (414) 263-8557

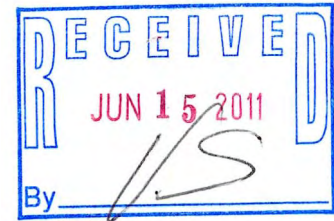
DNR WEST CENTRAL REGION

Attn: RR Program Assistant
Department of Natural Resources
1300 Clairemont Ave.
Eau Claire WI 54702
Loren Brumberg (715) 839-3770

**The State of Wisconsin
Department of Natural Resources**



DNR Use Only			
Date Received	Date Assigned	BRRTS Activity Code	BRRTS FID No. (if used)
DNR Reviewer		Comments	
Fee Enclosed? <input type="checkbox"/> Yes <input type="checkbox"/> No	Fee Amount \$	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		



June 14, 2011

Mr. John J. Hnat, PG, CPG
Southeast Region Headquarters
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212

**Subject: Vapor Intrusion Assessment Status Report
Shirdon Corp. d/b/a Shorewood Queensway Dry Cleaners
4300 N Oakland Avenue
Shorewood, Wisconsin
WDNR BRRTS: 02-41-552089
EnviroForensics Project # 6107**

Dear Mr. Hnat:

Per your request and on behalf of Shirdon Corp. d/b/a Shorewood Queensway Dry Cleaners, Environmental Forensic Investigations, Inc. (EnviroForensics) has prepared this Vapor Intrusion (VI) Assessment Status Report for the site located at 4300 N Oakland Avenue in Shorewood, Wisconsin (Site). Several phases of investigation have been conducted at the Site in response to the initial discovery of a release of the dry cleaning solvent perchlorethylene (PERC), otherwise known as tetrachloroethylene (PCE), to subsurface media. Comprehensive soil and groundwater analytical results from the investigations conducted at the Site to date are presented in Figures and Tables 1 through 3. This Status Report is not intended to serve as the Site Investigation Report required by NR 716.15, but rather, is intended to notify the Wisconsin Department of Natural Resources (WDNR) of current site conditions and to facilitate further communications on the issue.

A completed Form 4400-237 Technical Assistance and Environmental Liability Clarification Request, along with the \$500 fee in accordance with NR 749 is also enclosed with this report.

Soil Gas Survey

Based upon the soil and groundwater data, a preliminary screening of the potential VI exposure pathway was performed in accordance with the WDNR publication Draft PUB-RR-800 *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin*, June 2010 (VI Guidance) since Final guidance was not yet available from the WDNR. Following the

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Environmental Forensic Investigations, Inc.
602 North Capitol Avenue, Suite 210, Indianapolis, IN 46204
Phone: 317-972-7870 • Fax 317-972-7875

preliminary screening, a work scope was implemented that included the collection of eleven (11) deep soil gas samples from approximately 7 feet below ground surface. Soil gas samples were collected from on-site and off-site locations on September 24, 2010 and were analyzed by Pace Laboratories of St. Paul, Minnesota for volatile organic compounds utilizing method TO-15. A summary of the analytical results of soil gas sampling are presented in Table 4 and graphically on Figure 4. The laboratory report is included as Attachment 1.

Sub-Slab Vapor Survey

Based on the results of the soil gas survey, particularly at SG-3, SG-9 and SG-10, further evaluation of the potential VI exposure pathway was necessary at the adjacent property located to the east (1808 E. Marion Street) and to the north (4312-4334 N. Oakland Avenue). The occupied structure present at 1808 E. Marion Street is a single family residence with a basement. The occupied structure present at 4312-4334 N. Oakland Avenue is a mixed used facility with retail and commercial businesses occupying basement and first floor tenant spaces. Approximately 10 residential apartments are located on the 2nd floor above the northern two-thirds of the building, farthest away from the Shorewood Queensway Cleaners.

A work scope was prepared in accordance with the Final PUB-RR-800 dated December 2010 that included the collection of sub-slab vapor samples from the basements of both structures. EnviroForensics mobilized to the Site on May 5-6, 2011 and installed two (2) sub-slab vapor ports at 1808 E. Marion Street and three (3) sub-slab vapor ports at 4312-4334 N. Oakland Avenue. The locations of all sub-slab vapor sampling ports are identified on Figure 4. In accordance with the Final VI Guidance, the sampling ports were purged, allowed to equilibrate, tested for seal integrity via helium tracer testing and tested for connection leaks via a negative pressure shut-in test. Sub-slab vapor samples were sent to Pace for analysis of VOCs via TO-15.

The results from the sub-slab investigations are presented on Figures and Tables 5 and 6. There were no Contaminants of Concern (COCs) detected in the sub-slab samples SSV-1808-1 and SSV-1808-2 above the Target Sub-slab Vapor Screening Levels collected at the basement of the residence (1808 E. Marion Street).

Findings

As shown in Table 5 Figure 5, the samples collected from the sub-slab space at 1808 E. Marion structure did not contain concentrations of PCE at levels in excess of the 41 ug/m³ screening level for residential scenarios at either location.

As shown in Table 6 Figure 6, the sub-slab space beneath the 4312-4334 N Oakland structure contains concentrations of PCE at levels in excess of the 210 ug/m³ screening level for commercial scenarios at locations SSV-PEG-1 and SSV-PEG-2. Elevated levels of PCE were not detected in SSV-PEG-3; the location of which roughly correlates to the southernmost extent of 2nd floor residential apartments. The concentrations of PCE in the sub-slab vapor decrease with distance from the south end of the building.

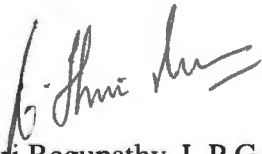
According to the laboratory, the reporting limit for PCE in the sample from SSV-PEG-3 was elevated due to sample dilutions required by analytical interferences. Upon further communication with the laboratory; however, they were able to determine that no PCE was present in the sample at a concentration of 188 ug/m³, which is below the applicable screening level.

Conclusions

Consistent with Section VII A of the Final VI Guidance, we would like to explore with you alternatives for mitigating the potential VI exposure pathway in the southern portion of the 4312-4334 structure near SSV-PEG-1 and SSV-PEG-2.

Please contact us at 317-972-7870, if you have any questions or require additional information regarding this submittal.

Sincerely,

A handwritten signature in black ink, appearing to read "Hari Regupathy".

Hari Regupathy, L.P.G.
Hydrogeologist

A handwritten signature in black ink, appearing to read "Jeff Carnahan".

Jeff Carnahan, L.P.G.
Senior Project Manager

Attachments

Copy: Ms. Shirley Carlson – Shorewood Queensway Cleaners
Attorney William Mulligan - Davis & Kuelthau, s.c.



TABLES

**TABLE 1
SUMMARY OF SOIL SAMPLE, ANALYTICAL RESULTS**

Shorewood Queensway Cleaners
Shorewood, WI

Boring Identification	Sample Depth	Date Sampled	Tetrachloroethene (µg/kg)	Trichloroethene (µg/kg)	cis-1,2-Dichloroethene (µg/kg)	trans-1,2-Dichloroethene (µg/kg)	Vinyl chloride (µg/kg)	1,1,2,2-Tetrachloroethane (µg/kg)	1,2,4-Trimethylbenzene (µg/kg)	1,2-Dichloropropane (µg/kg)	1,3,5-Trimethylbenzene (µg/kg)	Chlorobenzene (µg/kg)	Chloroform (µg/kg)	Ethylbenzene (µg/kg)	Naphthalene (µg/kg)	Toluene (µg/kg)	n-Propylbenzene (µg/kg)	p-Isopropyltoluene (µg/kg)	sec-Butylbenzene (µg/kg)	Total Xylene (µg/kg)
SB-1	9-10	2/25/2009	240	< 1.1 ^a	< 6.2	< 6.2	< 2.1 ^a	< 6.2	< 6.2	< 1.2 ^a	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	6.9	< 6.2	< 6.2	< 6.2	< 6.2
	25-26	2/25/2009	< 4.5	< 0.82 ^a	< 4.5	< 4.5	< 1.5 ^a	< 4.5	< 4.5	< 0.91 ^a	< 4.5	< 4.5	< 4.5	< 4.5	< 4.5	< 4.5	< 4.5	< 4.5	< 4.5	< 4.5
SB-2	15-16	2/25/2009	5.8	< 0.84 ^a	< 4.6	< 4.6	< 1.6 ^a	< 4.6	< 4.6	< 0.93 ^a	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6
	27-28	2/25/2009	< 4.4	< 0.80 ^a	< 4.4	< 4.4	< 1.5 ^a	< 4.4	< 4.4	< 0.88 ^a	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
SB-3	3-4	2/25/2009	53,000J	4.8 ^b	< 5	< 5	< 1.7 ^a	7.0	< 5	< 1.0 ^a	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	6-7	2/25/2009	64,000J	2.3 ^b	< 4.7	< 4.7	< 1.6 ^a	5.2	< 4.7	< 0.93 ^a	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
	27-28	2/25/2009	8.0	< 0.88 ^a	< 4.9	< 4.9	< 1.7 ^a	< 4.9	< 4.9	< 0.98 ^a	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9
SB-4	11-11.5	2/25/2009	3,500,000J	620	24.0	< 4.6	< 1.6 ^a	< 4.6	< 4.6	22.0	< 4.6	< 4.6	< 4.6	6.4	< 4.6	35.0	< 4.6	< 4.6	< 4.6	28.0
	12.5-13	2/25/2009	370,000J	240	19.0	< 4.5	< 1.5 ^a	< 4.5	< 4.5	16.0	< 4.5	140	< 4.5	5.6	< 4.5	35.0	< 4.5	< 4.5	< 4.5	23.0
SB-5	6-6.5	2/25/2009	300,000J	640	160	< 4.4	< 1.5 ^a	5.3	< 4.4	< 0.88 ^a	< 4.4	14.0	4.5	< 4.4	< 4.4	5.5	< 4.4	< 4.4	< 4.4	< 4.4
	10-10.5	2/25/2009	4,100,000J	790	87.0	< 4.5	1.8 ^b	< 4.5	< 4.5	16.0	< 4.5	18.0	< 4.5	5.9	< 4.5	15.0	< 4.5	< 4.5	< 4.5	16.0
SB-6	2-4	11/12/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
	12-14	11/12/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
SB-7	4-6	11/12/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
	12-14	11/12/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
SB-8	2-4	11/13/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	112	< 25.0
	12-14	11/13/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
SB-9	4-6	11/13/2009	72,000J	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
	12-14	11/13/2009	72.6	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
SB-10	6-8	11/13/2009	526	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
	12-14	11/13/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
SB-11	6-8	11/12/2009	72,200J	347	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
	12-14	11/12/2009	68.3J	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
SB-12	6-8	11/12/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
	12-14	11/12/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
SB-13	4-6	11/12/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
	14-16	11/12/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
SB-14	4-6	11/13/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
	12-14	11/13/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
SB-15	6-8	9/23/2010	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	279	< 25.0	< 25.0	< 25.0	< 25.0
	12-14	9/23/2010	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
SB-16	6-8	9/23/2010	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
	12-14	9/23/2010	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
SB-17	6-8	9/23/2010	< 100	< 100	< 100	< 100	< 100	< 100	1,880	< 100	594	< 100	< 100	< 100	2,640	< 100	201J	203J	164J	< 100
	18-20	9/23/2010	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
HA-1	5	11/13/2009	1,690	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
HA-2	5	11/13/2009	3,339	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	118	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
HA-3	5	11/13/2009	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	113	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
HA-4	5	11/13/2009	76.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
HA-5	5	9/23/2010	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
HA-6	5	9/23/2010	8,390	45.3J	48.4J	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
Soil Residual Contaminant Level - Inhalation, Industrial			35,000	230	1,300,000	3,200,000	890	21,000	NE	10,000	NE	340,000	910	400,000	1,000	670,000	NE	NE	NE	1,900,000
Soil Residual Contaminant Level - Inhalation, Non-Industrial			2,100	14	1,300,000	3,200,000	53	1,300	NE	5,800	NE	49,000	54	400,000	10	670,000	NE	NE	NE	270,000
Soil Residual Contaminant Level - Soil to Groundwater			4.1	3.7	55	98	0.13	7.4	NE	3.9	NE	150	39	1,500	2	1,400	NE	NE	NE	160,000

Notes:
 ug/kg = micrograms per kilogram
 Samples analyzed using EPA SW-846 Method 8260
 VOCs = Volatile Organic Compounds
 Bolded and orange shaded values are above Soil Residual Contaminant Level, Inhalation (Industrial)
 Bolded and blue shaded values are above Soil Residual Contaminant Level, Inhalation (Non-Industrial)
 Bolded and green shaded values are above Soil Residual Contaminant Level, Soil to Groundwater
 Bolded values are above Laboratory Detection Limits
 *EPA Maximum Contaminant Level (MCL)
 †On EPA's Drinking Water Contaminant Candidate List
 J=Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit
 NE = Not Established

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE, ANALYTICAL RESULTS

Shorewood Queensway Cleaners
Shorewood, WI

Boring Identification	Sample Depth	Date Sampled	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	1,1-Dichloroethene	Chloromethane	Chlorobenzene	Chloroform	1,1-Dichloropropene	Toluene
VOCs (µg/l)													
SB-5	8.0	2/26/2009	170,000	1,700	4,600	100	2,300	7.70	< 5	18.0	6.40	11.0	5.50
SB-7	8.0	11/19/2009	0.95J	< 0.48	< 0.83	< 0.89	< 0.18	< 0.57	0.32J	< 0.41	< 1.3	< 0.75	< 0.67
SB-8	12.3	11/19/2009	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.57	1.10	< 0.41	< 1.3	< 0.75	< 0.67
SB-9	10.7	11/20/2009	373	< 1.9	< 3.3	< 3.6	< 0.72	< 2.3	< 0.96	< 0.41	< 1.3	< 0.75	< 0.67
SB-10	16.0	11/20/2009	53.2	< 0.48	< 0.83	< 0.89	< 0.18	< 0.57	3.20	< 0.41	< 1.3	< 0.75	< 0.67
SB-12	8.3	11/20/2009	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.57	0.83J	< 0.41	< 1.3	< 0.75	< 0.67
SB-14	22.0	11/19/2009	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.57	1.30	< 0.42	< 1.4	< 0.75	< 0.67
Public Health Enforcement Standards (ug/l)			5	5	70	100	0.2	7	8.3	100 ^a	6	NE ^b	1,000
Public Health Preventive Action Level (ug/l)			0.5	0.5	7	20	0.02	0.7	0.83	NE	0.6	NE	200

Notes:

ug/l = micrograms per liter

Samples analyzed using EPA SW-846 Method 8260

VOCs = Volatile Organic Compounds

Bolded and orange shaded values are above Public Health Enforcement Standards

Bolded and blue shaded values are above Public Health Preventive Action Levels

Bolded values are above detection limits

^aEPA Maximum Contaminant Level (MCL)

^bOn EPA's Drinking Water Contaminant Candidate List

J=Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit

NE = Not Established

TABLE 3
GROUNDWATER MONITORING WELL SAMPLE, ANALYTICAL RESULTS

Shorewood Queensway Cleaners
Shorewood, WI

Boring Identification	Sample Depth	Date Sampled	Tetrachloroethene (µg/l)	Trichloroethene (µg/l)	cis-1,2-Dichloroethene (µg/l)	trans-1,2-Dichloroethene (µg/l)	Vinyl chloride (µg/l)	Benzene (µg/l)	Chloromethane (µg/l)	Ethylbenzene (µg/l)	Naphthalene (µg/l)	1,2,4-Trimethylbenzene (µg/l)	1,3,5-Trimethylbenzene (µg/l)	
VOCs (µg/l)														
MW-1	2.95	5/5/2011	0.61J	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	< 0.54	< 0.89	< 0.97	< 0.83	
		10/18/2010	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	ND	ND	ND	ND	
		2/26/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		11/20/2009	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	ND	ND	ND	ND	ND
		2/27/2009	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	ND	ND	ND	ND	ND
MW-2	6.05	5/5/2011	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	< 0.54	< 0.89	< 0.97	< 0.83	
		10/18/2010	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	ND	ND	ND	ND	
		2/26/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		11/19/2009	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	ND	ND	ND	ND	ND
		2/27/2009	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	ND	ND	ND	ND	ND
MW-3	9.61	5/5/2011	16	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	< 0.54	< 0.89	< 0.97	< 0.83	
		10/18/2010	23.7	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	ND	ND	ND	ND	
		2/26/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		11/20/2009	90.0	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	ND	ND	ND	ND	ND
		2/27/2009	1,200	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	ND	ND	ND	ND	ND
MW-4	3.32	5/5/2011	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	< 0.54	< 0.89	< 0.97	< 0.83	
		10/18/2010	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	ND	ND	ND	ND	
		2/26/2010	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	NS	NS	NS	NS	
		11/19/2009	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI
		2/27/2009	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-5	5.83	5/6/2011	747	31.0	44.2	2.4J	< 0.45	< 1.0	< 0.60	< 0.54	< 0.89	< 0.97	< 0.83	
		10/18/2010	978	45.1	63.7	< 8.9	< 1.8	< 4.1	< 2.4	ND	ND	ND	ND	
		2/26/2010	239	10.7	17.9	1.10	< 0.18	< 0.41	0.34J	NS	NS	NS	NS	
		11/19/2009	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI
		2/27/2009	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-6	7.79	5/6/2011	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	< 0.54	< 0.89	< 0.97	< 0.83	
		10/18/2010	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	0.33J	ND	ND	ND	ND	
		2/26/2010	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	0.41J	NS	NS	NS	NS	
		11/19/2009	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI
		2/27/2009	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-7	14.16	5/6/2011	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	< 0.54	< 0.89	< 0.97	< 0.83	
		10/18/2010	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	0.92J	ND	ND	ND	ND	
		2/26/2010	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		11/19/2009	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		2/27/2009	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-8	18.40	5/5/2011	0.49J	< 0.48	< 0.83	< 0.89	< 0.18	0.68J	< 0.24	0.99J	9.9J	5	3	
		10/18/2010	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.24	ND	ND	ND	ND	
		2/26/2010	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		11/19/2009	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		2/27/2009	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Public Health Enforcement Standards (ug/l)			5	5	70	100	0.2	5	8.3	700	100	480	480	
Public Health Preventive Action Level (ug/l)			0.5	0.5	7	20	0.02	0.5	0.83	140	10	96	96	

Notes:
 ug/l = micrograms per liter
 Samples analyzed using EPA SW-846 Method 8260
 VOCs = Volatile Organic Compounds
 Bolded and orange shaded values are above Public Health Enforcement Standards
 Bolded and blue shaded values are above Public Health Preventive Action Levels
 Bolded values are above detection limits
 J=Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit
 N.E. = Not Established
 NS = Not Sampled
 NI = Not Installed
 WI = Well Installation Completed yet not producing water
 ND = Below laboratory detection limit

**TABLE 4
SOIL GAS VAPOR, ANALYTICAL RESULTS**

Shorewood Queensway Dry Cleaners
Shorewood, Wisconsin

Sampling Identification	Date Sampled	Tetrachloroethene (µg/m ³)	Trichloroethene (µg/m ³)	cis-1,2-Dichloroethene (µg/m ³)	trans-1,2-Dichloroethene (µg/m ³)	Vinyl chloride (µg/m ³)	Acetone (µg/m ³)	Benzene (µg/m ³)	2-Butanone (µg/m ³)	Carbon disulfide (µg/m ³)	Chlorobenzene (µg/m ³)	Chloroethane (µg/m ³)	Cyclohexane (µg/m ³)	Ethyl acetate (µg/m ³)	Ethylbenzene (µg/m ³)	4-Ethyltoluene (µg/m ³)	n-Heptane (µg/m ³)	n-Hexane (µg/m ³)	Methylene Chloride (µg/m ³)	Propylene (µg/m ³)	Tetrahydrofuran (µg/m ³)	Toluene (µg/m ³)	1,2,4-Trimethylbenzene (µg/m ³)	1,3,5-Trimethylbenzene (µg/m ³)	Total Xylenes (µg/m ³)
6107-SG-1	9/24/2010	199	ND	ND	ND	ND	ND	ND	ND	320	ND	ND	76.9	ND	ND	ND	75.5	148	ND	201	ND	227	75.1	85.5	ND
6107-SG-2	9/24/2010	8.40	ND	ND	ND	ND	24.3	34.7	9.30	93.8	ND	ND	59.9	ND	21.1	10.8	47.5	133	ND	503	ND	177	20.2	9.7	102
6107-SG-3	9/24/2010	1,650,000	ND	163,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6107-SG-4	9/24/2010	533	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	255	ND	ND	255	145	140	ND
6107-SG-5	9/24/2010	15,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,010	2,770	ND	ND	ND	ND	ND	ND
6107-SG-6	9/24/2010	86.5	11.8	6.10	ND	ND	7.60	6.30	ND	ND	12.5	ND	6.60	ND	ND	ND	ND	9.10	10.1	ND	ND	58.1	5.30	5.30	12.6
6107-SG-7	9/24/2010	299	16.0	ND	ND	ND	ND	24.4	21.2	115	ND	7.30	43.0	ND	23.4	13.1	ND	74.8	52.2	549	ND	206	17.9	11.9	101
6107-SG-8	9/24/2010	29.0	ND	ND	ND	ND	ND	21.2	25.2	146	ND	ND	46.3	105	28.1	13.0	ND	65.7	128	581	ND	212	17.9	11.8	137
6107-SG-9	9/24/2010	267,000	1,450	1,010	ND	ND	ND	292	ND	516	ND	ND	204	ND	ND	ND	318	377	ND	331	ND	382	174	174	ND
6107-SG-10	9/24/2010	496,000	41,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11,100	ND	ND	4,710	5,720	6,400	ND
6107-SG-11	9/24/2010	79.3	11.6	ND	ND	ND	111	ND	18.4	ND	ND	ND	140	ND	18.6	ND	43.6	159	238	ND	32.7	67.7	ND	ND	78.8
6107-DUP-1 (SG-3)	9/24/2010	2,630,000	390,000	604,000	12,800	9,290	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11,000	12,300	ND
6107-DUP-2 (SG-9)	9/24/2010	243,000	10,600	995	ND	ND	ND	637	ND	416	ND	ND	798	ND	ND	ND	612	1,030	ND	4,840	ND	1,380	223	193	317
Target Soil Gas Screening Level (Industrial)		2,100	6,100	NE	260,000	2,800	140,000,000	1,600	22,000,000	3,100,000	220,000	NE	26,000,000	NE	NE	NE	NE	3,100,000	26,000	13,000,000	NE	22,000,000	31,000	NE	440,000
Target Soil Gas Screening Level (Residential)		410	1,200	NE	63,000	160	32,000,000	310	5,200,000	730,000	52,000	NE	6,300,000	NE	NE	NE	NE	730,000	5,200	3,100,000	NE	5,200,000	7,300	NE	100,000

Notes:
Units in micrograms per cubic meter = µg/m³
Shaded blue values exceed U.S. E.P.A.'s Target Residential Soil Gas Screening Level Table 2 - May 2010
Shaded orange values exceed U.S. E.P.A.'s Target Industrial Soil Gas Screening Level Table 2 - May 2010
Bolded values are above detection limits
ND = Concentration below laboratory detection limits
NE = Screening level not established

TABLE 5
SUB-SLAB ANALYTICAL RESULTS
1808 E. Marion St.
 Shorewood, WI.

Residential							
Sampling Identification	Date Sampled	Tetrachloroethene (µg/m³)	Trichloroethene (µg/m³)	Acetone (µg/m³)	n-Hexane (µg/m³)	Methylene Chloride (µg/m³)	Toluene (µg/m³)
6107-SSV-1808-1	5/6/2011	13.2	22.9	104	16.2	81.8	35.8
6107-SSV-1808-2	5/6/2011	< 39.5	< 15.5	767	50.6	453	36.5
Sub-slab Vapor Screening Level		41	120	320,000	730	520	5,200

Notes:

Units in micrograms per cubic meter = ug/m³

Sub-slab vapor screening level is from U.S. E.P.A.'s Regional Screening Levels (RSL's) Table 2c, updated November 2010

**TABLE 6
SUB-SLAB ANALYTICAL RESULTS**

Aunt Peg's Oakland, LLC
4312-34 N. Oakland Ave.
Shorewood, WI

Commercial																						
Sampling Identification	Date Sampled	Tetrachloroethene (µg/m ³)	Trichloroethene (µg/m ³)	cis-1,2-Dichloroethene (µg/m ³)	trans-1,2-Dichloroethene (µg/m ³)	Vinyl chloride (µg/m ³)	Acetone (µg/m ³)	Benzene (µg/m ³)	2-Butanone (µg/m ³)	Carbon Disulfide (µg/m ³)	Ethyl Acetate (µg/m ³)	Ethylbenzene (µg/m ³)	4-Ethyltoluene (µg/m ³)	n-Heptane (µg/m ³)	n-Hexane (µg/m ³)	2-Hexanone (µg/m ³)	Methylene Chloride (µg/m ³)	Propylene (µg/m ³)	Toluene (µg/m ³)	1,2,4-Trimethylbenzene (µg/m ³)	1,3,5-Trimethylbenzene (µg/m ³)	Xylenes (µg/m ³)
6107-SSV-PEG-1	5/6/2011	866,000	15,100	8,860	< 871	< 559*	43,200	< 699*	< 645	< 677	< 785	< 946	< 2,690	< 892	< 774	< 892	< 763	< 376	< 828	< 2,690*	< 2,690	< 1,890
6107-SSV-PEG-2	5/6/2011	4,100	146	86.8	< 2.5	< 1.6	357	< 2.0	37.3	7.40	9.00	7.30	17.0	14.5	70.6	10.5	103	179	79.1	64.3	20.4	51.4
6107-SSV-PEG-3	5/6/2011	<376*‡	< 148	< 218	< 218	< 140	7,740	< 175*	< 161	305	< 196	< 237	< 672	< 223	786	< 223	< 191	13,200	< 207	< 672*	< 672	< 473
Sub-slab Vapor Screening Level		210	610	NL	2,600	280	1,400,000	160	220,000	31,000	NL	490	NL	NL	31,000	1,300	2,600	130,000	220,000	310	NL	4,400

Notes:

Units in micrograms per cubic meter = ug/m³

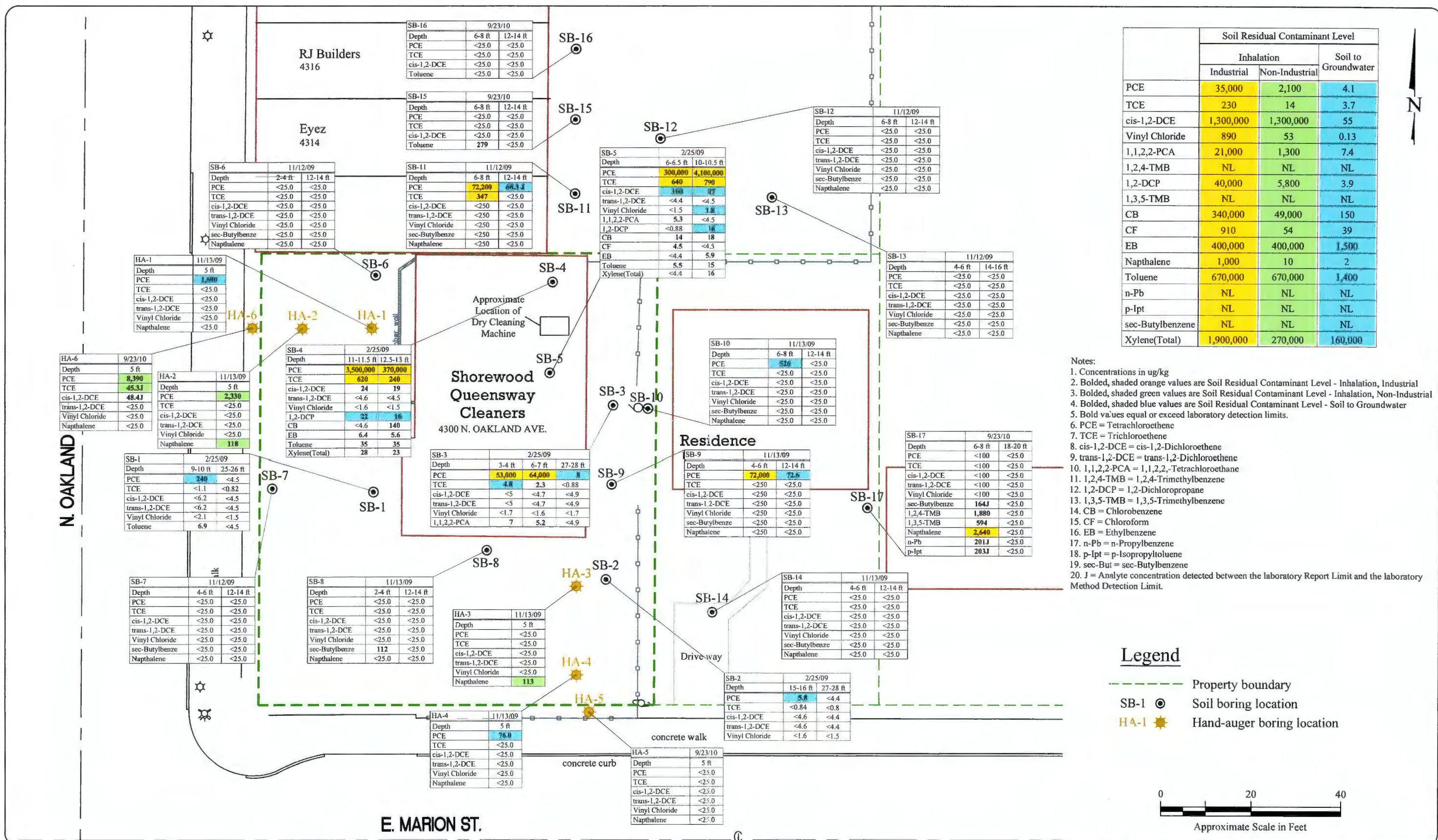
Sub-slab vapor screening level is from U.S. E.P.A.'s Regional Screening Levels (RSL's) Table 2c, updated November 2010

NL = No established screening level

* = Indicates elevated reporting limit due to sample dilution at laboratory

‡ = Analyte was evaluated to one half of the reporting limit (188 ug/m³) with no detections

FIGURES

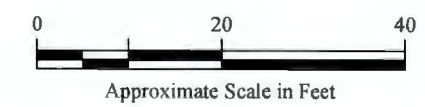


	Soil Residual Contaminant Level		
	Inhalation		Soil to Groundwater
	Industrial	Non-Industrial	
PCE	35,000	2,100	4.1
TCE	230	14	3.7
cis-1,2-DCE	1,300,000	1,300,000	55
Vinyl Chloride	890	53	0.13
1,1,2,2-PCA	21,000	1,300	7.4
1,2,4-TMB	NL	NL	NL
1,2-DCP	40,000	5,800	3.9
1,3,5-TMB	NL	NL	NL
CB	340,000	49,000	150
CF	910	54	39
EB	400,000	400,000	1,500
Napthalene	1,000	10	2
Toluene	670,000	670,000	1,400
n-Pb	NL	NL	NL
p-Ipt	NL	NL	NL
sec-Butylbenzene	NL	NL	NL
Xylene(Total)	1,900,000	270,000	160,000

- Notes:
- Concentrations in ug/kg
 - Bolded, shaded orange values are Soil Residual Contaminant Level - Inhalation, Industrial
 - Bolded, shaded green values are Soil Residual Contaminant Level - Inhalation, Non-Industrial
 - Bolded, shaded blue values are Soil Residual Contaminant Level - Soil to Groundwater
 - Bold values equal or exceed laboratory detection limits.
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - cis-1,2-DCE = cis-1,2-Dichloroethene
 - trans-1,2-DCE = trans-1,2-Dichloroethene
 - 1,1,2,2-PCA = 1,1,2,2-Tetrachloroethane
 - 1,2,4-TMB = 1,2,4-Trimethylbenzene
 - 1,2-DCP = 1,2-Dichloropropane
 - 1,3,5-TMB = 1,3,5-Trimethylbenzene
 - CB = Chlorobenzene
 - CF = Chloroform
 - EB = Ethylbenzene
 - n-Pb = n-Propylbenzene
 - p-Ipt = p-Isopropyltoluene
 - sec-But = sec-Butylbenzene
 - J = Analyte concentration detected between the laboratory Report Limit and the laboratory Method Detection Limit.

Legend

- Property boundary
- SB-1 ● Soil boring location
- HA-1 ★ Hand-auger boring location



No.	Date	Revision	Approved

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Date:	6/08/11
Designed:	SP
Drawn:	SP
Checked:	GZ
DWG file:	61310-10

COMPREHENSIVE SOIL ANALYTICAL RESULTS
 Shorewood Queensway Cleaners
 4300 N. Oakland Avenue
 Shorewood, WI

Figure	1
Project	6107

N. OAKLAND AVE.

RJ Builders
4316

Eyez
4314

Salon
4312

SB-16

SB-15

SB-11

SB-13

SB-12	11/20/09
Depth	8.3 ft
PCE	<0.45
TCE	<0.48
cis-1,2-DCE	<0.83
trans-1,2-DCE	<0.89
Vinyl Chloride	<0.18
1,1-DCE	<0.57
CM	8.83
CB	<0.41
CF	<1.3
1,1-DCP	<0.75
Toulene	<0.67

SB-5	2/26/09
Depth	8 ft
PCE	170,000
TCE	1,700
cis-1,2-DCE	4,600
trans-1,2-DCE	100
Vinyl Chloride	2,300
1,1-DCE	7.70
CB	18
CF	6.40
1,1-DCP	11
Toulene	5.5

Shorewood
Queensway
Cleaners
4300 N. OAKLAND AVE.

SB-4

SB-5

SB-10	11/20/09
Depth	16 ft
PCE	53.2
TCE	<0.48
cis-1,2-DCE	<0.83
trans-1,2-DCE	<0.89
Vinyl Chloride	<0.18
1,1-DCE	<0.57
CM	3.20
CB	<0.41
CF	<1.3
1,1-DCP	<0.75
Toulene	<0.67

Residence
1808 E. Marion St.

SB-3

SB-10

SB-9

SB-2

SB-9	11/20/09
Depth	10.7 ft
PCE	373
TCE	<1.9
cis-1,2-DCE	<3.3
trans-1,2-DCE	<3.6
Vinyl Chloride	<0.72
1,1-DCE	<2.3
CM	<0.96
CB	<0.41
CF	<1.3
1,1-DCP	<0.75
Toulene	<0.67

SB-8	11/19/09
Depth	12.3 ft
PCE	<0.45
TCE	<0.48
cis-1,2-DCE	<0.83
trans-1,2-DCE	<0.89
Vinyl Chloride	<0.18
1,1-DCE	<0.57
CM	1.18
CB	<0.41
CF	<1.3
1,1-DCP	<0.75
Toulene	<0.67

SB-7	11/19/09
Depth	8 ft
PCE	0.95J
TCE	<0.48
cis-1,2-DCE	<0.83
trans-1,2-DCE	<0.89
Vinyl Chloride	<0.18
1,1-DCE	<0.57
CM	0.32J
CB	<0.41
CF	<1.3
1,1-DCP	<0.75
Toulene	<0.67

SB-1

SB-8

SB-2

SB-14

SB-14	11/19/09
Depth	22 ft
PCE	<0.45
TCE	<0.48
cis-1,2-DCE	<0.83
trans-1,2-DCE	<0.89
Vinyl Chloride	<0.18
1,1-DCE	<0.57
CM	1.30
CB	<0.42
CF	<1.4
1,1-DCP	<0.75
Toulene	<0.67

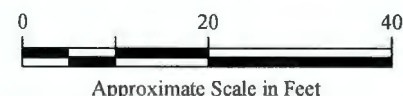
Residential

	Public Health	
	Enforcement Standards	Preventive Action Levels
PCE	5	0.5
TCE	5	0.5
cis-1,2-DCE	70	7
trans-1,2-DCE	100	20
Vinyl Chloride	0.2	0.02
1,1-DCE	7	0.7
CM	8.3	0.83
CB	100	NE
CF	6	0.6
1,1-DCP	NE	NE
Toulene	1,000	200

- Notes:
- Concentrations in ug/L
 - Bolded, shaded orange values are above Public Health Enforcement Standards.
 - Bolded, shaded blue values are above Public Health Preventive Action Levels.
 - Bold values equal or exceed laboratory detection limits.
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - cis-1,2-DCE = cis-1,2-Dichloroethene
 - trans-1,2-DCE = trans-1,2-Dichloroethene
 - 1,1-DCE = 1,1-Dichloroethene
 - CM = Chloromethane
 - CB = Chlorobenzene
 - CF = Chloroform
 - 1,1-DCP = 1,1-Dichloropropene
 - J = Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit.

Legend

- Property boundary
- SB-1 ● Soil boring location



E. MARION ST.

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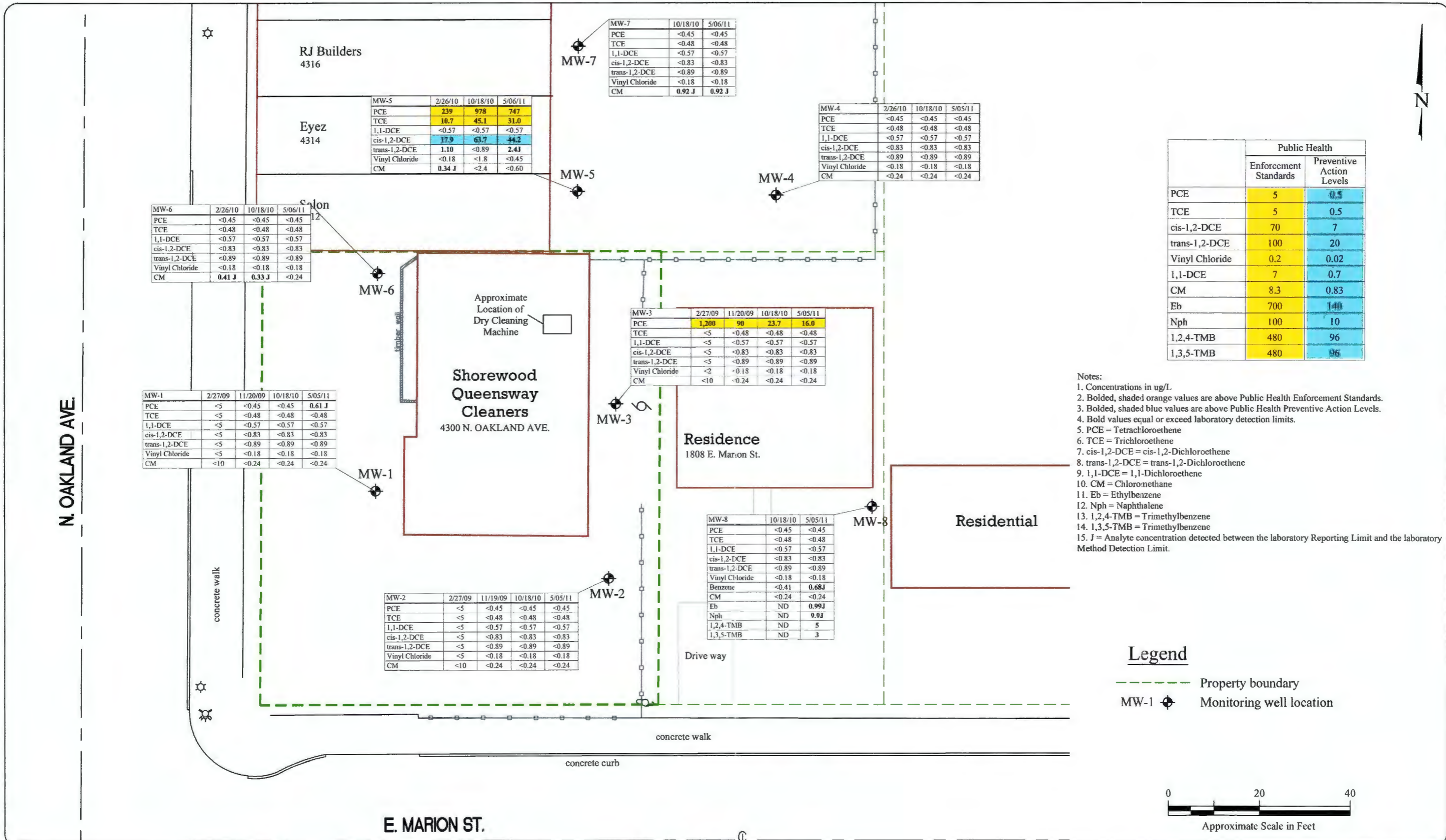
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GRAB GROUNDWATER ANALYTICAL RESULTS

Shorewood Queensway Cleaners
 4300 N. Oakland Avenue
 Shorewood, WI

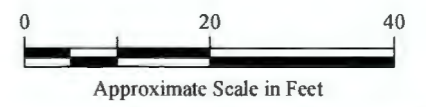
Figure	2
Project	6107



	Public Health	
	Enforcement Standards	Preventive Action Levels
PCE	5	0.5
TCE	5	0.5
cis-1,2-DCE	70	7
trans-1,2-DCE	100	20
Vinyl Chloride	0.2	0.02
1,1-DCE	7	0.7
CM	8.3	0.83
Eb	700	140
Nph	100	10
1,2,4-TMB	480	96
1,3,5-TMB	480	96

- Notes:
1. Concentrations in ug/L.
 2. Bolded, shaded orange values are above Public Health Enforcement Standards.
 3. Bolded, shaded blue values are above Public Health Preventive Action Levels.
 4. Bold values equal or exceed laboratory detection limits.
 5. PCE = Tetrachloroethene
 6. TCE = Trichloroethene
 7. cis-1,2-DCE = cis-1,2-Dichloroethene
 8. trans-1,2-DCE = trans-1,2-Dichloroethene
 9. 1,1-DCE = 1,1-Dichloroethene
 10. CM = Chloromethane
 11. Eb = Ethylbenzene
 12. Nph = Naphthalene
 13. 1,2,4-TMB = Trimethylbenzene
 14. 1,3,5-TMB = Trimethylbenzene
 15. J = Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit.

Legend
 --- Property boundary
 MW-1 Monitoring well location



No.	Date	Revision	Approved

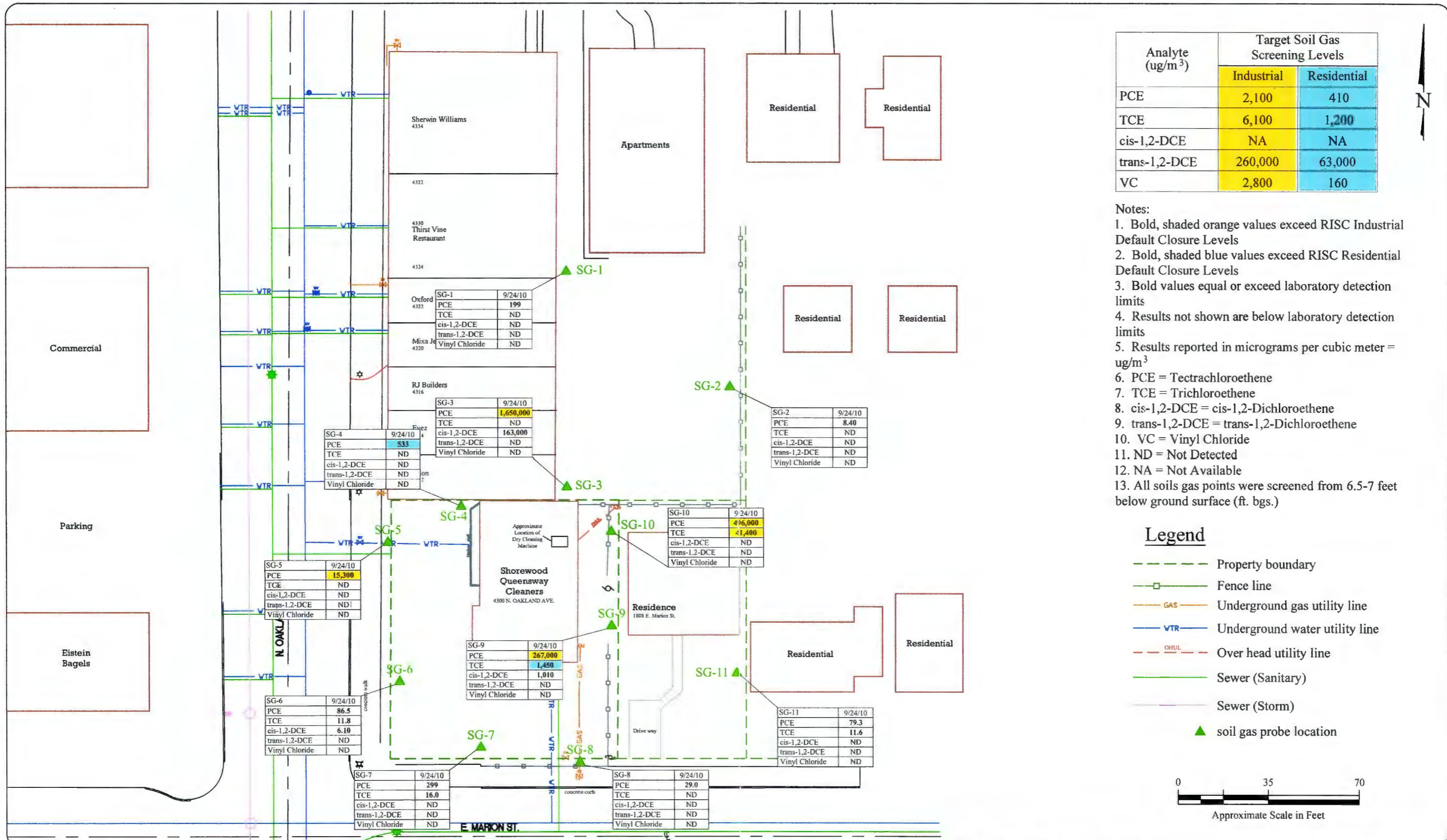
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GROUNDWATER MONITORING WELL ANALYTICAL RESULTS

Shorewood Queensway Cleaners
 4300 N. Oakland Avenue
 Shorewood, WI

Figure	3
Project	6107

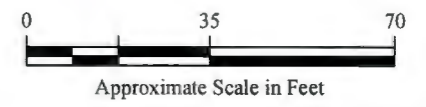


Analyte (ug/m ³)	Target Soil Gas Screening Levels	
	Industrial	Residential
PCE	2,100	410
TCE	6,100	1,200
cis-1,2-DCE	NA	NA
trans-1,2-DCE	260,000	63,000
VC	2,800	160

- Notes:
1. Bold, shaded orange values exceed RISC Industrial Default Closure Levels
 2. Bold, shaded blue values exceed RISC Residential Default Closure Levels
 3. Bold values equal or exceed laboratory detection limits
 4. Results not shown are below laboratory detection limits
 5. Results reported in micrograms per cubic meter = ug/m³
 6. PCE = Tetrachloroethene
 7. TCE = Trichloroethene
 8. cis-1,2-DCE = cis-1,2-Dichloroethene
 9. trans-1,2-DCE = trans-1,2-Dichloroethene
 10. VC = Vinyl Chloride
 11. ND = Not Detected
 12. NA = Not Available
 13. All soils gas points were screened from 6.5-7 feet below ground surface (ft. bgs.)

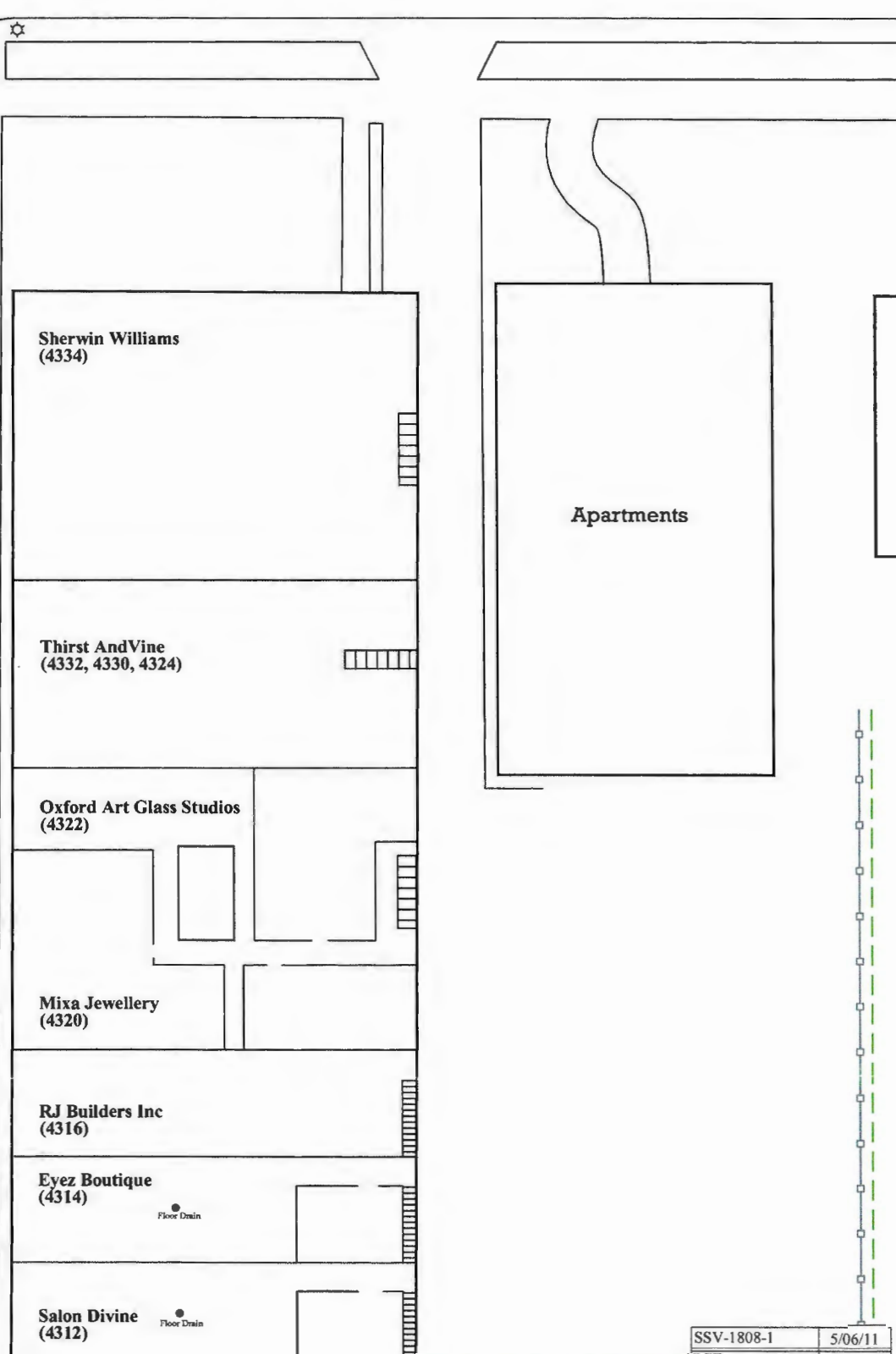
Legend

- Property boundary
- Fence line
- Underground gas utility line
- Underground water utility line
- Over head utility line
- Sewer (Sanitary)
- Sewer (Storm)
- soil gas probe location



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--	---	---	--	---------------------------------------

E. LAKE BLUFF BLVD.



Analyte (ug/mg3)	Target Sub-Slab Gas Concentration, Residential
PCE	41
TCE	120
Acetone	320,000
n-Hx	730
MC	520
Toluene	5,200

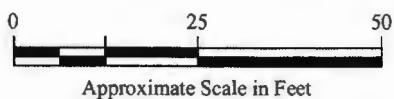
Notes:

1. Unit in micrograms per cubic meter = ug/m3.
2. Sub-slab vapor screening level is from U.S. E.P.A.'s Regional Screening Levels (RSL's) Table 2c, updated November 2010.
3. PCE = Tetrachloroethene
4. TCE = Trichloroethene
5. n-Hx = n-Hexane
6. MC = Methyl Chloride

SSV-1808-1	5/06/11
PCE	13.2
TCE	22.9
Acetone	104
n-Hx	16.2
MC	81.8
Toluene	35.6

SSV-1808-2	5/06/11
PCE	<39.5
Acetone	767
n-Hx	50.6
MC	453
Toluene	36.5

Legend



- □ — □ — Fence line
- SSV-1808-1 ▲ Sub-slab sample location

No.	Date	Revision	Approved

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Checked:	JC
DWG file:	63101-11

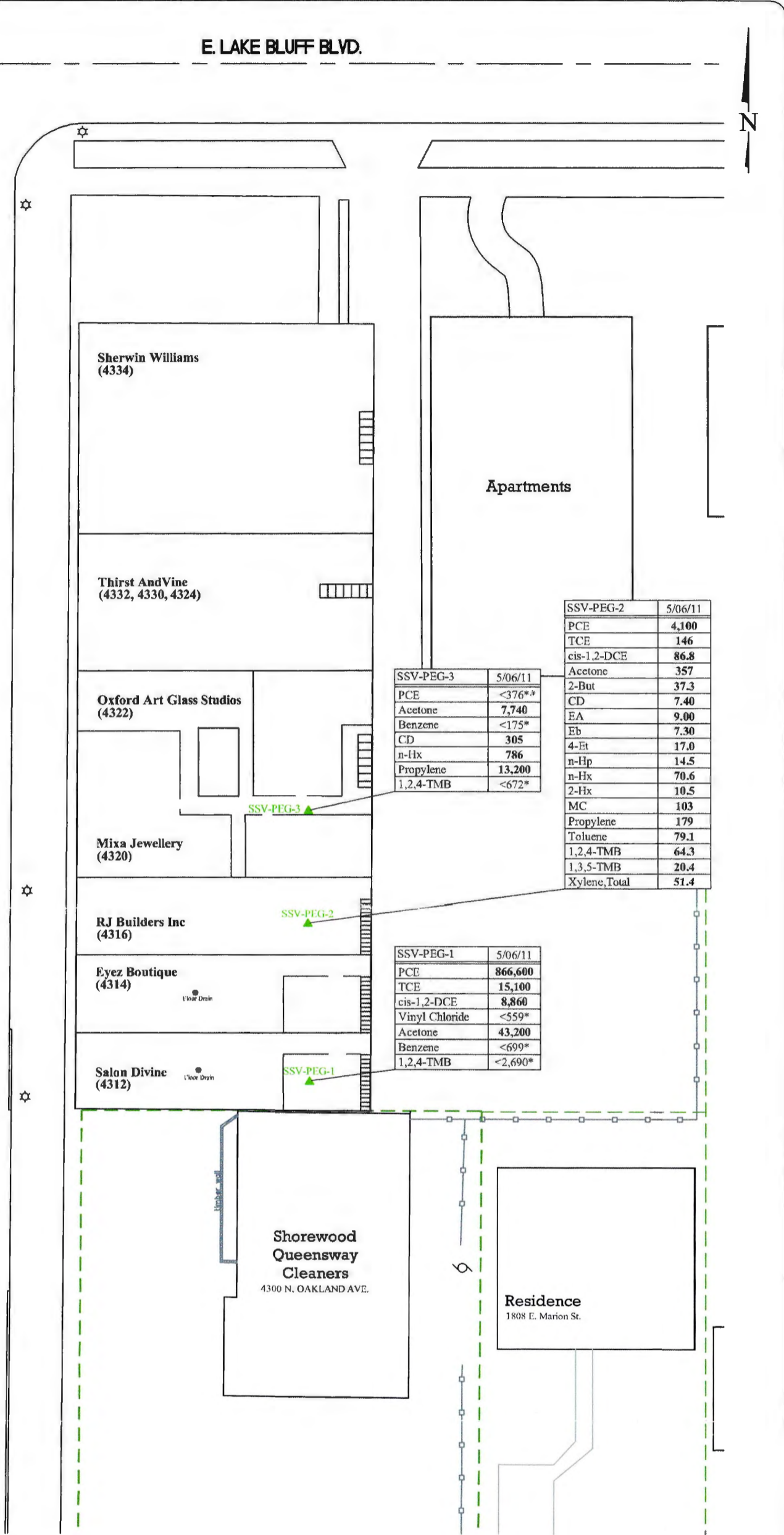
SUB-SLAB VAPOR ANALYTICAL RESULTS

Amelia Betzhold
 1808 E. Marion St.
 Shorewood, Wisconsin

Figure	5
Project	6107

Analyte (ug/mg3)	Target Sub-Slab Gas Concentration
PCE	210
TCE	610
cis-1,2-DCE	NL
trans-1,2-DCE	2,600
VC	280
Acetone	1,400,000
Benzene	160
2-But	220,000
CD	31,000
EA	NL
Eb	490
4-Et	NL
n-Hp	NL
n-Hx	31,000
2-Hx	1,300
MC	2,600
Propylene	130,000
Toluene	220,000
1,2,4-TMB	310
1,3,5-TMB	NL
Xylene, Total	4,400

- Notes:
- Unit in micrograms per cubic meter = ug/m3.
 - Sub-slab vapor screening level is from U.S. E.P.A.'s Regional Screening Levels (RSL's) Table 2c, updated November 2010.
 - NL = No established screening level.
 - * = Indicates elevated reporting limit due to sample dilution at laboratory.
 - ½ = Analyte was evaluated to one half of the reporting limit 188 (ug/m3) with no detections.
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - cis-1,2-DCE = cis-1,2-Dichloroethene
 - trans-1,2-DCE = trans-1,2-Dichloroethene
 - VC = Vinyl Chloride
 - 2-But = 2-Butanone
 - CD = Carbon Disulfide
 - EA = Ethyl Acetate
 - Eb = Ethylbenzene
 - 4-Et = 4-Ethyltoluene
 - n-Hp = n-Heptane
 - n-Hx = n-Hexane
 - 2-Hx = 2-Hexanone
 - MC = Methyl Chloride
 - 1,2,4-TMB = 1,2,4-Trimethylbenzene
 - 1,3,5-TMB = 1,3,5-Trimethylbenzene

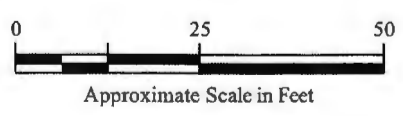


SSV-PEG-2	5/06/11
PCE	4,100
TCE	146
cis-1,2-DCE	86.8
Acetone	357
2-But	37.3
CD	7.40
EA	9.00
Eb	7.30
4-Et	17.0
n-Hp	14.5
n-Hx	70.6
2-Hx	10.5
MC	103
Propylene	179
Toluene	79.1
1,2,4-TMB	64.3
1,3,5-TMB	20.4
Xylene, Total	51.4

SSV-PEG-3	5/06/11
PCE	<376**
Acetone	7,740
Benzene	<175*
CD	305
n-Hx	786
Propylene	13,200
1,2,4-TMB	<672*

SSV-PEG-1	5/06/11
PCE	866,600
TCE	15,100
cis-1,2-DCE	8,860
Vinyl Chloride	<559*
Acetone	43,200
Benzene	<699*
1,2,4-TMB	<2,690*

Legend



- Fence line
- SSV-PEG-1 ▲ Sub-slab sample location

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DWG file:	63101-11

SUB-SLAB VAPOR ANALYTICAL RESULTS
 Aunt Peg Oakland LLC
 4312-4334 N. Oakland Avenue
 Shorewood, Wisconsin

Figure	6
Project	6107



ATTACHMENT 1

May 24, 2011

Mr. Hari Regupathy
EnviroForensics
602 N. Capitol
Indianapolis, IN 46204

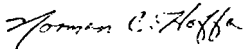
RE: Project: 6107.VI Shorewood
Pace Project No.: 10156864

Dear Mr. Regupathy:

Enclosed are the analytical results for sample(s) received by the laboratory on May 10, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,



Norman C. Hoffa for
Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 19

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CERTIFICATIONS

Project: 6107.VI Shorewood
Pace Project No.: 10156864

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

Page 2 of 19

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SAMPLE SUMMARY

Project: 6107.VI Shorewood
Pace Project No.: 10156864

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10156864001	6107-SSV-1808-1	Air	05/06/11 08:05	05/10/11 08:56
10156864002	6107-SSV-1808-2	Air	05/06/11 08:45	05/10/11 08:56

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6107.VI Shorewood
Pace Project No.: 10156864

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10156864001	6107-SSV-1808-1	TO-15	CJR	57
10156864002	6107-SSV-1808-2	TO-15	DR1	57

REPORT OF LABORATORY ANALYSIS

Page 4 of 19

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ANALYTICAL RESULTS

Project: 6107.VI Shorewood
Pace Project No.: 10156864

Sample: 6107-SSV-1808-1 Lab ID: 10156864001 Collected: 05/06/11 08:05 Received: 05/10/11 08:56 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	104	ug/m3	2.7	5.64		05/23/11 20:43	67-64-1	
Benzene	ND	ug/m3	3.7	5.64		05/23/11 20:43	71-43-2	
Bromodichloromethane	ND	ug/m3	7.9	5.64		05/23/11 20:43	75-27-4	
Bromoform	ND	ug/m3	11.8	5.64		05/23/11 20:43	75-25-2	
Bromomethane	ND	ug/m3	4.5	5.64		05/23/11 20:43	74-83-9	
1,3-Butadiene	ND	ug/m3	2.5	5.64		05/23/11 20:43	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.4	5.64		05/23/11 20:43	78-93-3	
Carbon disulfide	ND	ug/m3	3.6	5.64		05/23/11 20:43	75-15-0	
Carbon tetrachloride	ND	ug/m3	7.3	5.64		05/23/11 20:43	56-23-5	
Chlorobenzene	ND	ug/m3	5.3	5.64		05/23/11 20:43	108-90-7	
Chloroethane	ND	ug/m3	3.0	5.64		05/23/11 20:43	75-00-3	
Chloroform	ND	ug/m3	5.6	5.64		05/23/11 20:43	67-66-3	
Chloromethane	ND	ug/m3	2.4	5.64		05/23/11 20:43	74-87-3	
Cyclohexane	ND	ug/m3	3.8	5.64		05/23/11 20:43	110-82-7	
Dibromochloromethane	ND	ug/m3	9.6	5.64		05/23/11 20:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	9.0	5.64		05/23/11 20:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	6.8	5.64		05/23/11 20:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	6.8	5.64		05/23/11 20:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	6.8	5.64		05/23/11 20:43	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	5.6	5.64		05/23/11 20:43	75-71-8	
1,1-Dichloroethane	ND	ug/m3	4.6	5.64		05/23/11 20:43	75-34-3	
1,2-Dichloroethane	ND	ug/m3	4.6	5.64		05/23/11 20:43	107-06-2	
1,1-Dichloroethene	ND	ug/m3	4.6	5.64		05/23/11 20:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	4.6	5.64		05/23/11 20:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	4.6	5.64		05/23/11 20:43	156-60-5	
1,2-Dichloropropane	ND	ug/m3	5.3	5.64		05/23/11 20:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	5.2	5.64		05/23/11 20:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	5.2	5.64		05/23/11 20:43	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	7.9	5.64		05/23/11 20:43	76-14-2	
Ethyl acetate	ND	ug/m3	4.1	5.64		05/23/11 20:43	141-78-6	
Ethylbenzene	ND	ug/m3	5.0	5.64		05/23/11 20:43	100-41-4	
4-Ethyltoluene	ND	ug/m3	14.1	5.64		05/23/11 20:43	622-96-8	
n-Heptane	ND	ug/m3	4.7	5.64		05/23/11 20:43	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	12.4	5.64		05/23/11 20:43	87-68-3	
n-Hexane	16.2	ug/m3	4.1	5.64		05/23/11 20:43	110-54-3	
2-Hexanone	ND	ug/m3	4.7	5.64		05/23/11 20:43	591-78-6	
Methylene Chloride	81.8	ug/m3	4.0	5.64		05/23/11 20:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.7	5.64		05/23/11 20:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	4.1	5.64		05/23/11 20:43	1634-04-4	
Propylene	ND	ug/m3	2.0	5.64		05/23/11 20:43	115-07-1	
Styrene	ND	ug/m3	4.9	5.64		05/23/11 20:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	7.9	5.64		05/23/11 20:43	79-34-5	
Tetrachloroethene	13.2	ug/m3	7.9	5.64		05/23/11 20:43	127-18-4	
Tetrahydrofuran	ND	ug/m3	3.4	5.64		05/23/11 20:43	109-99-9	
Toluene	35.8	ug/m3	4.3	5.64		05/23/11 20:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.6	5.64		05/23/11 20:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	6.2	5.64		05/23/11 20:43	71-55-6	

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ANALYTICAL RESULTS

Project: 6107.VI Shorewood
Pace Project No.: 10156864

Sample: 6107-SSV-1808-1 Lab ID: 10156864001 Collected: 05/06/11 08:05 Received: 05/10/11 08:56 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,2-Trichloroethane	ND	ug/m3	6.2	5.64		05/23/11 20:43	79-00-5	
Trichloroethene	22.9	ug/m3	3.1	5.64		05/23/11 20:43	79-01-6	
Trichlorofluoromethane	ND	ug/m3	6.2	5.64		05/23/11 20:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	9.0	5.64		05/23/11 20:43	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	14.1	5.64		05/23/11 20:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	14.1	5.64		05/23/11 20:43	108-67-8	
Vinyl acetate	ND	ug/m3	4.0	5.64		05/23/11 20:43	108-05-4	
Vinyl chloride	ND	ug/m3	2.9	5.64		05/23/11 20:43	75-01-4	
m&p-Xylene	ND	ug/m3	9.9	5.64		05/23/11 20:43	179601-23-1	
o-Xylene	ND	ug/m3	5.0	5.64		05/23/11 20:43	95-47-6	

ANALYTICAL RESULTS

Project: 6107.VI Shorewood
Pace Project No.: 10156864

Sample: 6107-SSV-1808-2	Lab ID: 10156864002	Collected: 05/06/11 08:45	Received: 05/10/11 08:56	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	767 ug/m3		13.5	28.22		05/20/11 17:19	67-64-1	
Benzene	ND ug/m3		18.3	28.22		05/20/11 17:19	71-43-2	
Bromodichloromethane	ND ug/m3		39.5	28.22		05/20/11 17:19	75-27-4	
Bromoform	ND ug/m3		59.3	28.22		05/20/11 17:19	75-25-2	
Bromomethane	ND ug/m3		22.3	28.22		05/20/11 17:19	74-83-9	
1,3-Butadiene	ND ug/m3		12.7	28.22		05/20/11 17:19	106-99-0	
2-Butanone (MEK)	ND ug/m3		16.9	28.22		05/20/11 17:19	78-93-3	
Carbon disulfide	ND ug/m3		17.8	28.22		05/20/11 17:19	75-15-0	
Carbon tetrachloride	ND ug/m3		36.7	28.22		05/20/11 17:19	56-23-5	
Chlorobenzene	ND ug/m3		26.5	28.22		05/20/11 17:19	108-90-7	
Chloroethane	ND ug/m3		15.2	28.22		05/20/11 17:19	75-00-3	
Chloroform	ND ug/m3		27.9	28.22		05/20/11 17:19	67-66-3	
Chloromethane	ND ug/m3		11.9	28.22		05/20/11 17:19	74-87-3	
Cyclohexane	ND ug/m3		19.2	28.22		05/20/11 17:19	110-82-7	
Dibromochloromethane	ND ug/m3		48.0	28.22		05/20/11 17:19	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/m3		45.2	28.22		05/20/11 17:19	106-93-4	
1,2-Dichlorobenzene	ND ug/m3		33.9	28.22		05/20/11 17:19	95-50-1	
1,3-Dichlorobenzene	ND ug/m3		33.9	28.22		05/20/11 17:19	541-73-1	
1,4-Dichlorobenzene	ND ug/m3		33.9	28.22		05/20/11 17:19	106-46-7	
Dichlorodifluoromethane	ND ug/m3		28.2	28.22		05/20/11 17:19	75-71-8	D3
1,1-Dichloroethane	ND ug/m3		23.1	28.22		05/20/11 17:19	75-34-3	
1,2-Dichloroethane	ND ug/m3		23.1	28.22		05/20/11 17:19	107-06-2	
1,1-Dichloroethene	ND ug/m3		22.9	28.22		05/20/11 17:19	75-35-4	
cis-1,2-Dichloroethene	ND ug/m3		22.9	28.22		05/20/11 17:19	156-59-2	
trans-1,2-Dichloroethene	ND ug/m3		22.9	28.22		05/20/11 17:19	156-60-5	
1,2-Dichloropropane	ND ug/m3		26.5	28.22		05/20/11 17:19	78-87-5	
cis-1,3-Dichloropropene	ND ug/m3		26.0	28.22		05/20/11 17:19	10061-01-5	
trans-1,3-Dichloropropene	ND ug/m3		26.0	28.22		05/20/11 17:19	10061-02-6	
Dichlorotetrafluoroethane	ND ug/m3		39.5	28.22		05/20/11 17:19	76-14-2	
Ethyl acetate	ND ug/m3		20.6	28.22		05/20/11 17:19	141-78-6	
Ethylbenzene	ND ug/m3		24.8	28.22		05/20/11 17:19	100-41-4	
4-Ethyltoluene	ND ug/m3		70.6	28.22		05/20/11 17:19	622-96-8	
n-Heptane	ND ug/m3		23.4	28.22		05/20/11 17:19	142-82-5	
Hexachloro-1,3-butadiene	ND ug/m3		62.1	28.22		05/20/11 17:19	87-68-3	
n-Hexane	50.6 ug/m3		20.3	28.22		05/20/11 17:19	110-54-3	
2-Hexanone	ND ug/m3		23.4	28.22		05/20/11 17:19	591-78-6	
Methylene Chloride	453 ug/m3		20.0	28.22		05/20/11 17:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/m3		23.4	28.22		05/20/11 17:19	108-10-1	
Methyl-tert-butyl ether	ND ug/m3		20.6	28.22		05/20/11 17:19	1634-04-4	
Propylene	ND ug/m3		9.9	28.22		05/20/11 17:19	115-07-1	
Styrene	ND ug/m3		24.6	28.22		05/20/11 17:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/m3		39.5	28.22		05/20/11 17:19	79-34-5	
Tetrachloroethene	ND ug/m3		39.5	28.22		05/20/11 17:19	127-18-4	
Tetrahydrofuran	ND ug/m3		16.9	28.22		05/20/11 17:19	109-99-9	
Toluene	36.5 ug/m3		21.7	28.22		05/20/11 17:19	108-88-3	
1,2,4-Trichlorobenzene	ND ug/m3		27.9	28.22		05/20/11 17:19	120-82-1	
1,1,1-Trichloroethane	ND ug/m3		31.0	28.22		05/20/11 17:19	71-55-6	

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ANALYTICAL RESULTS

Project: 6107.VI Shorewood
Pace Project No.: 10156864

Sample: 6107-SSV-1808-2	Lab ID: 10156864002	Collected: 05/06/11 08:45	Received: 05/10/11 08:56	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
1,1,2-Trichloroethane	ND ug/m3		31.0	28.22		05/20/11 17:19	79-00-5	
Trichloroethene	ND ug/m3		15.5	28.22		05/20/11 17:19	79-01-6	
Trichlorofluoromethane	ND ug/m3		31.0	28.22		05/20/11 17:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/m3		45.2	28.22		05/20/11 17:19	76-13-1	
1,2,4-Trimethylbenzene	ND ug/m3		70.6	28.22		05/20/11 17:19	95-63-6	
1,3,5-Trimethylbenzene	ND ug/m3		70.6	28.22		05/20/11 17:19	108-67-8	
Vinyl acetate	ND ug/m3		20.0	28.22		05/20/11 17:19	108-05-4	
Vinyl chloride	ND ug/m3		14.7	28.22		05/20/11 17:19	75-01-4	
m&p-Xylene	ND ug/m3		49.7	28.22		05/20/11 17:19	179601-23-1	
o-Xylene	ND ug/m3		24.8	28.22		05/20/11 17:19	95-47-6	

QUALITY CONTROL DATA

Project: 6107.VI Shorewood
Pace Project No.: 10156864

QC Batch: AIR/12338	Analysis Method: TO-15
QC Batch Method: TO-15	Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10156864002	

METHOD BLANK: 980227 Matrix: Air
Associated Lab Samples: 10156864002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	05/20/11 14:49	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	05/20/11 14:49	
1,1,2-Trichloroethane	ug/m3	ND	1.1	05/20/11 14:49	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	05/20/11 14:49	
1,1-Dichloroethane	ug/m3	ND	0.82	05/20/11 14:49	
1,1-Dichloroethene	ug/m3	ND	0.81	05/20/11 14:49	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	05/20/11 14:49	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	05/20/11 14:49	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	05/20/11 14:49	
1,2-Dichlorobenzene	ug/m3	ND	1.2	05/20/11 14:49	
1,2-Dichloroethane	ug/m3	ND	0.82	05/20/11 14:49	
1,2-Dichloropropane	ug/m3	ND	0.94	05/20/11 14:49	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	05/20/11 14:49	
1,3-Butadiene	ug/m3	ND	0.45	05/20/11 14:49	
1,3-Dichlorobenzene	ug/m3	ND	1.2	05/20/11 14:49	
1,4-Dichlorobenzene	ug/m3	ND	1.2	05/20/11 14:49	
2-Butanone (MEK)	ug/m3	ND	0.60	05/20/11 14:49	
2-Hexanone	ug/m3	ND	0.83	05/20/11 14:49	
4-Ethyltoluene	ug/m3	ND	2.5	05/20/11 14:49	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	05/20/11 14:49	
Acetone	ug/m3	ND	0.48	05/20/11 14:49	
Benzene	ug/m3	ND	0.65	05/20/11 14:49	
Bromodichloromethane	ug/m3	ND	1.4	05/20/11 14:49	
Bromoform	ug/m3	ND	2.1	05/20/11 14:49	
Bromomethane	ug/m3	ND	0.79	05/20/11 14:49	
Carbon disulfide	ug/m3	ND	0.63	05/20/11 14:49	
Carbon tetrachloride	ug/m3	ND	1.3	05/20/11 14:49	
Chlorobenzene	ug/m3	ND	0.94	05/20/11 14:49	
Chloroethane	ug/m3	ND	0.54	05/20/11 14:49	
Chloroform	ug/m3	ND	0.99	05/20/11 14:49	
Chloromethane	ug/m3	ND	0.42	05/20/11 14:49	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	05/20/11 14:49	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	05/20/11 14:49	
Cyclohexane	ug/m3	ND	0.68	05/20/11 14:49	
Dibromochloromethane	ug/m3	ND	1.7	05/20/11 14:49	
Dichlorodifluoromethane	ug/m3	ND	1.0	05/20/11 14:49	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	05/20/11 14:49	
Ethyl acetate	ug/m3	ND	0.73	05/20/11 14:49	
Ethylbenzene	ug/m3	ND	0.88	05/20/11 14:49	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	05/20/11 14:49	
m&p-Xylene	ug/m3	ND	1.8	05/20/11 14:49	
Methyl-tert-butyl ether	ug/m3	ND	0.73	05/20/11 14:49	
Methylene Chloride	ug/m3	ND	0.71	05/20/11 14:49	

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QUALITY CONTROL DATA

Project: 6107.VI Shorewood
Pace Project No.: 10156864

METHOD BLANK: 980227 Matrix: Air

Associated Lab Samples: 10156864002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Heptane	ug/m3	ND	0.83	05/20/11 14:49	
n-Hexane	ug/m3	ND	0.72	05/20/11 14:49	
o-Xylene	ug/m3	ND	0.88	05/20/11 14:49	
Propylene	ug/m3	ND	0.35	05/20/11 14:49	
Styrene	ug/m3	ND	0.87	05/20/11 14:49	
Tetrachloroethene	ug/m3	ND	1.4	05/20/11 14:49	
Tetrahydrofuran	ug/m3	ND	0.60	05/20/11 14:49	
Toluene	ug/m3	ND	0.77	05/20/11 14:49	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	05/20/11 14:49	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	05/20/11 14:49	
Trichloroethene	ug/m3	ND	0.55	05/20/11 14:49	
Trichlorofluoromethane	ug/m3	ND	1.1	05/20/11 14:49	
Vinyl acetate	ug/m3	ND	0.71	05/20/11 14:49	
Vinyl chloride	ug/m3	ND	0.52	05/20/11 14:49	

LABORATORY CONTROL SAMPLE: 980228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	57.4	103	66-133	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	73.6	105	70-140	
1,1,2-Trichloroethane	ug/m3	55.5	56.2	101	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	79.6	102	60-137	
1,1-Dichloroethane	ug/m3	41.2	38.4	93	65-131	
1,1-Dichloroethene	ug/m3	40.3	40.4	100	65-132	
1,2,4-Trichlorobenzene	ug/m3	75.5	70.5	93	30-150	
1,2,4-Trimethylbenzene	ug/m3	50	54.3	109	69-140	
1,2-Dibromoethane (EDB)	ug/m3	78.1	82.7	106	71-139	
1,2-Dichlorobenzene	ug/m3	61.2	54.8	90	68-139	
1,2-Dichloroethane	ug/m3	41.2	42.5	103	66-132	
1,2-Dichloropropane	ug/m3	47	49.7	106	69-130	
1,3,5-Trimethylbenzene	ug/m3	50	54.0	108	70-141	
1,3-Butadiene	ug/m3	22.5	23.7	105	68-128	
1,3-Dichlorobenzene	ug/m3	61.2	62.4	102	66-146	
1,4-Dichlorobenzene	ug/m3	61.2	61.9	101	66-142	
2-Butanone (MEK)	ug/m3	30	31.3	104	68-134	
2-Hexanone	ug/m3	41.7	44.0	106	70-144	
4-Ethyltoluene	ug/m3	50	56.4	113	65-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	44.4	107	70-139	
Acetone	ug/m3	24.2	19.0	79	56-142	
Benzene	ug/m3	32.5	35.7	110	69-129	
Bromodichloromethane	ug/m3	68.2	71.0	104	70-130	
Bromoform	ug/m3	105	109	104	67-147	
Bromomethane	ug/m3	39.5	31.6	80	67-127	
Carbon disulfide	ug/m3	31.7	29.8	94	65-131	
Carbon tetrachloride	ug/m3	64	62.8	98	62-137	

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QUALITY CONTROL DATA

Project: 6107.VI Shorewood
Pace Project No.: 10156864

LABORATORY CONTROL SAMPLE: 980228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/m3	46.8	49.2	105	72-133	
Chloroethane	ug/m3	26.8	27.6	103	66-127	
Chloroform	ug/m3	49.7	53.5	108	67-130	
Chloromethane	ug/m3	21	21.3	102	63-127	
cis-1,2-Dichloroethene	ug/m3	40.3	42.2	105	69-130	
cis-1,3-Dichloropropene	ug/m3	46.2	48.4	105	74-137	
Cyclohexane	ug/m3	35	37.3	106	69-137	
Dibromochloromethane	ug/m3	86.6	89.9	104	69-140	
Dichlorodifluoromethane	ug/m3	50.3	50.5	100	62-131	
Dichlorotetrafluoroethane	ug/m3	71.1	73.8	104	63-130	
Ethyl acetate	ug/m3	36.6	39.5	108	70-135	
Ethylbenzene	ug/m3	44.2	45.6	103	71-141	
Hexachloro-1,3-butadiene	ug/m3	108	128	118	30-150 SS	
m&p-Xylene	ug/m3	88.3	89.5	101	68-144	
Methyl-tert-butyl ether	ug/m3	36.7	37.3	102	54-136	
Methylene Chloride	ug/m3	35.3	35.8	101	56-143	
n-Heptane	ug/m3	41.7	44.7	107	72-130	
n-Hexane	ug/m3	35.8	38.0	106	68-130	
o-Xylene	ug/m3	44.2	46.6	106	70-141	
Propylene	ug/m3	17.5	18.9	108	61-139	
Styrene	ug/m3	43.3	44.5	103	68-145	
Tetrachloroethene	ug/m3	69	73.4	106	64-142	
Tetrahydrofuran	ug/m3	30	32.0	107	70-134 SS	
Toluene	ug/m3	38.3	40.9	107	69-133	
trans-1,2-Dichloroethene	ug/m3	40.3	38.0	94	64-132	
trans-1,3-Dichloropropene	ug/m3	46.2	46.6	101	71-140	
Trichloroethene	ug/m3	54.6	57.2	105	68-132	
Trichlorofluoromethane	ug/m3	57.1	54.8	96	59-136	
Vinyl acetate	ug/m3	35.8	34.1	95	70-142	
Vinyl chloride	ug/m3	26	27.0	104	64-129	

SAMPLE DUPLICATE: 981140

Parameter	Units	10157654001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	237	235	.8	25 E	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	114	110	3	25	

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QUALITY CONTROL DATA

Project: 6107.VI Shorewood

Pace Project No.: 10156864

SAMPLE DUPLICATE: 981140

Parameter	Units	10157654001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	131	130	.8	25	
2-Butanone (MEK)	ug/m3	6.6	6.8	2	25	
2-Hexanone	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	179	178	1	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	613	616	.5	25	E
Benzene	ug/m3	1.8	1.9	7	25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	8.5	8.1	4	25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.3	2.4	5	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	12.4	12.4	.6	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	42.0	41.4	1	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	38.0	37.9	.3	25	
n-Heptane	ug/m3	23.4	23.7	1	25	
n-Hexane	ug/m3	5.6	5.8	4	25	
o-Xylene	ug/m3	24.1	24.3	.7	25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	1.6	1.6	2	25	
Tetrachloroethene	ug/m3	8.2	7.2	13	25	
Tetrahydrofuran	ug/m3	13.7	ND		25	
Toluene	ug/m3	36.9	37.5	2	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: 6107.VI Shorewood
Pace Project No.: 10156864

SAMPLE DUPLICATE: 981141

Parameter	Units	10157731004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	4.5	4.1J	10	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	19.8	19.0	4	25	
2-Hexanone	ug/m3	3.3	3.1	7	25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	2.0	1.9	7	25	
Acetone	ug/m3	54.2	ND		25	
Benzene	ug/m3	22.2	21.3	4	25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	5.1	4.8	5	25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.2	2.3	3	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	3.6	3.3	8	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	6.8	6.3	7	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Heptane	ug/m3	9.2	8.9	3	25	
n-Hexane	ug/m3	12.2	11.4	7	25	
o-Xylene	ug/m3	2.2	2.1	7	25	
Propylene	ug/m3	116	111	4	25 E	
Styrene	ug/m3	3.9	3.5	10	25	

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QUALITY CONTROL DATA

Project: 6107.VI Shorewood
Pace Project No.: 10156864

SAMPLE DUPLICATE: 981141

Parameter	Units	10157731004 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrachloroethene	ug/m3	14.7	14.0	4	25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	30.0	28.8	4	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

QUALITY CONTROL DATA

Project: 6107.VI Shorewood
Pace Project No.: 10156864

QC Batch: AIR/12342 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10156864001

METHOD BLANK: 981223 Matrix: Air
Associated Lab Samples: 10156864001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	05/23/11 11:11	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	05/23/11 11:11	
1,1,2-Trichloroethane	ug/m3	ND	1.1	05/23/11 11:11	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	05/23/11 11:11	
1,1-Dichloroethane	ug/m3	ND	0.82	05/23/11 11:11	
1,1-Dichloroethene	ug/m3	ND	0.81	05/23/11 11:11	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	05/23/11 11:11	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	05/23/11 11:11	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	05/23/11 11:11	
1,2-Dichlorobenzene	ug/m3	ND	1.2	05/23/11 11:11	
1,2-Dichloroethane	ug/m3	ND	0.82	05/23/11 11:11	
1,2-Dichloropropane	ug/m3	ND	0.94	05/23/11 11:11	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	05/23/11 11:11	
1,3-Butadiene	ug/m3	ND	0.45	05/23/11 11:11	
1,3-Dichlorobenzene	ug/m3	ND	1.2	05/23/11 11:11	
1,4-Dichlorobenzene	ug/m3	ND	1.2	05/23/11 11:11	
2-Butanone (MEK)	ug/m3	ND	0.60	05/23/11 11:11	
2-Hexanone	ug/m3	ND	0.83	05/23/11 11:11	
4-Ethyltoluene	ug/m3	ND	2.5	05/23/11 11:11	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	05/23/11 11:11	
Acetone	ug/m3	ND	0.48	05/23/11 11:11	
Benzene	ug/m3	ND	0.65	05/23/11 11:11	
Bromodichloromethane	ug/m3	ND	1.4	05/23/11 11:11	
Bromoform	ug/m3	ND	2.1	05/23/11 11:11	
Bromomethane	ug/m3	ND	0.79	05/23/11 11:11	
Carbon disulfide	ug/m3	ND	0.63	05/23/11 11:11	
Carbon tetrachloride	ug/m3	ND	1.3	05/23/11 11:11	
Chlorobenzene	ug/m3	ND	0.94	05/23/11 11:11	
Chloroethane	ug/m3	ND	0.54	05/23/11 11:11	
Chloroform	ug/m3	ND	0.99	05/23/11 11:11	
Chloromethane	ug/m3	ND	0.42	05/23/11 11:11	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	05/23/11 11:11	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	05/23/11 11:11	
Cyclohexane	ug/m3	ND	0.68	05/23/11 11:11	
Dibromochloromethane	ug/m3	ND	1.7	05/23/11 11:11	
Dichlorodifluoromethane	ug/m3	ND	1.0	05/23/11 11:11	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	05/23/11 11:11	
Ethyl acetate	ug/m3	ND	0.73	05/23/11 11:11	
Ethylbenzene	ug/m3	ND	0.88	05/23/11 11:11	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	05/23/11 11:11	
m&p-Xylene	ug/m3	ND	1.8	05/23/11 11:11	
Methyl-tert-butyl ether	ug/m3	ND	0.73	05/23/11 11:11	
Methylene Chloride	ug/m3	ND	0.71	05/23/11 11:11	

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QUALITY CONTROL DATA

Project: 6107.VI Shorewood

Pace Project No.: 10156864

METHOD BLANK: 981223

Matrix: Air

Associated Lab Samples: 10156864001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Heptane	ug/m3	ND	0.83	05/23/11 11:11	
n-Hexane	ug/m3	ND	0.72	05/23/11 11:11	
o-Xylene	ug/m3	ND	0.88	05/23/11 11:11	
Propylene	ug/m3	ND	0.35	05/23/11 11:11	
Styrene	ug/m3	ND	0.87	05/23/11 11:11	
Tetrachloroethene	ug/m3	ND	1.4	05/23/11 11:11	
Tetrahydrofuran	ug/m3	ND	0.60	05/23/11 11:11	
Toluene	ug/m3	ND	0.77	05/23/11 11:11	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	05/23/11 11:11	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	05/23/11 11:11	
Trichloroethene	ug/m3	ND	0.55	05/23/11 11:11	
Trichlorofluoromethane	ug/m3	ND	1.1	05/23/11 11:11	
Vinyl acetate	ug/m3	ND	0.71	05/23/11 11:11	
Vinyl chloride	ug/m3	ND	0.52	05/23/11 11:11	

LABORATORY CONTROL SAMPLE: 981224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	62.3	112	66-133	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	77.0	110	70-140	
1,1,2-Trichloroethane	ug/m3	55.5	62.8	113	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	87.3	112	60-137	
1,1-Dichloroethane	ug/m3	41.2	46.1	112	65-131	
1,1-Dichloroethene	ug/m3	40.3	44.7	111	65-132	
1,2,4-Trichlorobenzene	ug/m3	75.5	103	136	30-150 CH	
1,2,4-Trimethylbenzene	ug/m3	50	54.2	108	69-140	
1,2-Dibromoethane (EDB)	ug/m3	78.1	85.5	109	71-139	
1,2-Dichlorobenzene	ug/m3	61.2	66.8	109	68-139	
1,2-Dichloroethane	ug/m3	41.2	45.2	110	66-132	
1,2-Dichloropropane	ug/m3	47	53.1	113	69-130	
1,3,5-Trimethylbenzene	ug/m3	50	53.6	107	70-141	
1,3-Butadiene	ug/m3	22.5	26.9	120	68-128	
1,3-Dichlorobenzene	ug/m3	61.2	67.8	111	66-146	
1,4-Dichlorobenzene	ug/m3	61.2	68.0	111	66-142	
2-Butanone (MEK)	ug/m3	30	32.8	109	68-134	
2-Hexanone	ug/m3	41.7	43.5	105	70-144	
4-Ethyltoluene	ug/m3	50	54.3	109	65-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	46.5	112	70-139	
Acetone	ug/m3	24.2	27.4	114	56-142	
Benzene	ug/m3	32.5	37.2	115	69-129	
Bromodichloromethane	ug/m3	68.2	75.3	111	70-130	
Bromoform	ug/m3	105	113	108	67-147	
Bromomethane	ug/m3	39.5	47.3	120	67-127 SS	
Carbon disulfide	ug/m3	31.7	36.9	117	65-131	
Carbon tetrachloride	ug/m3	64	70.9	111	62-137	

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QUALITY CONTROL DATA

Project: 6107.VI Shorewood
Pace Project No.: 10156864

LABORATORY CONTROL SAMPLE: 981224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/m3	46.8	50.7	108	72-133	
Chloroethane	ug/m3	26.8	31.8	119	66-127	SS
Chloroform	ug/m3	49.7	55.2	111	67-130	
Chloromethane	ug/m3	21	24.3	116	63-127	
cis-1,2-Dichloroethene	ug/m3	40.3	46.5	115	69-130	
cis-1,3-Dichloropropene	ug/m3	46.2	52.0	113	74-137	
Cyclohexane	ug/m3	35	39.5	113	69-137	
Dibromochloromethane	ug/m3	86.6	94.9	110	69-140	
Dichlorodifluoromethane	ug/m3	50.3	57.5	114	62-131	
Dichlorotetrafluoroethane	ug/m3	71.1	81.0	114	63-130	
Ethyl acetate	ug/m3	36.6	42.1	115	70-135	
Ethylbenzene	ug/m3	44.2	48.6	110	71-141	
Hexachloro-1,3-butadiene	ug/m3	108	181	167	30-150	CH,L3
m&p-Xylene	ug/m3	88.3	96.1	109	68-144	
Methyl-tert-butyl ether	ug/m3	36.7	43.0	117	54-136	
Methylene Chloride	ug/m3	35.3	39.3	111	56-143	
n-Heptane	ug/m3	41.7	48.2	116	72-130	
n-Hexane	ug/m3	35.8	41.4	116	68-130	
o-Xylene	ug/m3	44.2	48.1	109	70-141	
Propylene	ug/m3	17.5	20.9	119	61-139	
Styrene	ug/m3	43.3	48.6	112	68-145	
Tetrachloroethene	ug/m3	69	76.5	111	64-142	
Tetrahydrofuran	ug/m3	30	36.1	120	70-134	SS
Toluene	ug/m3	38.3	44.3	116	69-133	
trans-1,2-Dichloroethene	ug/m3	40.3	46.2	115	64-132	
trans-1,3-Dichloropropene	ug/m3	46.2	52.6	114	71-140	
Trichloroethene	ug/m3	54.6	63.3	116	68-132	
Trichlorofluoromethane	ug/m3	57.1	62.7	110	59-136	
Vinyl acetate	ug/m3	35.8	40.8	114	70-142	
Vinyl chloride	ug/m3	26	30.3	117	64-129	

QUALIFIERS

Project: 6107.VI Shorewood
Pace Project No.: 10156864

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.

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 NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

- | | |
|----|---|
| CH | The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high. |
| D3 | Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference. |
| E | Analyte concentration exceeded the calibration range. The reported result is estimated. |
| L3 | Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias. |
| SS | This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value. |

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6107.VI Shorewood
Pace Project No.: 10156864

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10156864001	6107-SSV-1808-1	TO-15	AIR/12342		
10156864002	6107-SSV-1808-2	TO-15	AIR/12338		

May 26, 2011

Mr. Hari Regupathy
EnviroForensics
602 N. Capitol
Indianapolis, IN 46204

RE: Project: 6107 Shorewood
Pace Project No.: 10156865

Dear Mr. Regupathy:

Enclosed are the analytical results for sample(s) received by the laboratory on May 10, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,



Carolynne Trout

carolynne.trout@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 6107 Shorewood
Pace Project No.: 10156865

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 6107 Shorewood
Pace Project No.: 10156865

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10156865001	6107-SSV-PEG-1	Air	05/06/11 12:25	05/10/11 08:56
10156865002	6107-SSV-PEG-2	Air	05/06/11 11:25	05/10/11 08:56
10156865003	6107-SSV-PEG-3	Air	05/06/11 10:15	05/10/11 08:56
10156865004	1799	Air		05/10/11 08:56

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SAMPLE ANALYTE COUNT

Project: 6107 Shorewood
Pace Project No.: 10156865

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10156865001	6107-SSV-PEG-1	TO-15	DR1	57
10156865002	6107-SSV-PEG-2	TO-15	DR1	57
10156865003	6107-SSV-PEG-3	TO-15	DR1	57

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ANALYTICAL RESULTS

Project: 6107 Shorewood
Pace Project No.: 10156865

Sample: 6107-SSV-PEG-1 Lab ID: 10156865001 Collected: 05/06/11 12:25 Received: 05/10/11 08:56 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	43200	ug/m3	516	1075.2		05/20/11 18:16	67-64-1	
Benzene	ND	ug/m3	699	1075.2		05/20/11 18:16	71-43-2	
Bromodichloromethane	ND	ug/m3	1510	1075.2		05/20/11 18:16	75-27-4	
Bromoform	ND	ug/m3	2260	1075.2		05/20/11 18:16	75-25-2	
Bromomethane	ND	ug/m3	849	1075.2		05/20/11 18:16	74-83-9	
1,3-Butadiene	ND	ug/m3	484	1075.2		05/20/11 18:16	106-99-0	
2-Butanone (MEK)	ND	ug/m3	645	1075.2		05/20/11 18:16	78-93-3	
Carbon disulfide	ND	ug/m3	677	1075.2		05/20/11 18:16	75-15-0	
Carbon tetrachloride	ND	ug/m3	1400	1075.2		05/20/11 18:16	56-23-5	
Chlorobenzene	ND	ug/m3	1010	1075.2		05/20/11 18:16	108-90-7	
Chloroethane	ND	ug/m3	581	1075.2		05/20/11 18:16	75-00-3	
Chloroform	ND	ug/m3	1060	1075.2		05/20/11 18:16	67-66-3	
Chloromethane	ND	ug/m3	452	1075.2		05/20/11 18:16	74-87-3	
Cyclohexane	ND	ug/m3	731	1075.2		05/20/11 18:16	110-82-7	
Dibromochloromethane	ND	ug/m3	1830	1075.2		05/20/11 18:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1720	1075.2		05/20/11 18:16	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1290	1075.2		05/20/11 18:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1290	1075.2		05/20/11 18:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1290	1075.2		05/20/11 18:16	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1080	1075.2		05/20/11 18:16	75-71-8	
1,1-Dichloroethane	ND	ug/m3	882	1075.2		05/20/11 18:16	75-34-3	
1,2-Dichloroethane	ND	ug/m3	882	1075.2		05/20/11 18:16	107-06-2	
1,1-Dichloroethene	ND	ug/m3	871	1075.2		05/20/11 18:16	75-35-4	
cis-1,2-Dichloroethene	8860	ug/m3	871	1075.2		05/20/11 18:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	871	1075.2		05/20/11 18:16	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1010	1075.2		05/20/11 18:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	989	1075.2		05/20/11 18:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	989	1075.2		05/20/11 18:16	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1510	1075.2		05/20/11 18:16	76-14-2	
Ethyl acetate	ND	ug/m3	785	1075.2		05/20/11 18:16	141-78-6	
Ethylbenzene	ND	ug/m3	946	1075.2		05/20/11 18:16	100-41-4	
4-Ethyltoluene	ND	ug/m3	2690	1075.2		05/20/11 18:16	622-96-8	
n-Heptane	ND	ug/m3	892	1075.2		05/20/11 18:16	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2370	1075.2		05/20/11 18:16	87-68-3	
n-Hexane	ND	ug/m3	774	1075.2		05/20/11 18:16	110-54-3	
2-Hexanone	ND	ug/m3	892	1075.2		05/20/11 18:16	591-78-6	
Methylene Chloride	ND	ug/m3	763	1075.2		05/20/11 18:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	892	1075.2		05/20/11 18:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	785	1075.2		05/20/11 18:16	1634-04-4	
Propylene	ND	ug/m3	376	1075.2		05/20/11 18:16	115-07-1	
Styrene	ND	ug/m3	935	1075.2		05/20/11 18:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1510	1075.2		05/20/11 18:16	79-34-5	
Tetrachloroethene	866000	ug/m3	12000	8601.6		05/23/11 13:51	127-18-4	
Tetrahydrofuran	ND	ug/m3	645	1075.2		05/20/11 18:16	109-99-9	
Toluene	ND	ug/m3	828	1075.2		05/20/11 18:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1060	1075.2		05/20/11 18:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1180	1075.2		05/20/11 18:16	71-55-6	

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ANALYTICAL RESULTS

Project: 6107 Shorewood
Pace Project No.: 10156865

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 6107-SSV-PEG-1 Lab ID: 10156865001 Collected: 05/06/11 12:25 Received: 05/10/11 08:56 Matrix: Air								
TO15 MSV AIR Analytical Method: TO-15								
1,1,2-Trichloroethane	ND	ug/m3	1180	1075.2		05/20/11 18:16	79-00-5	
Trichloroethene	15100	ug/m3	591	1075.2		05/20/11 18:16	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1180	1075.2		05/20/11 18:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1720	1075.2		05/20/11 18:16	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2690	1075.2		05/20/11 18:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2690	1075.2		05/20/11 18:16	108-67-8	
Vinyl acetate	ND	ug/m3	763	1075.2		05/20/11 18:16	108-05-4	
Vinyl chloride	ND	ug/m3	559	1075.2		05/20/11 18:16	75-01-4	
m&p-Xylene	ND	ug/m3	1890	1075.2		05/20/11 18:16	179601-23-1	
o-Xylene	ND	ug/m3	946	1075.2		05/20/11 18:16	95-47-6	

ANALYTICAL RESULTS

Project: 6107 Shorewood

Pace Project No.: 10156865

Sample: 6107-SSV-PEG-2 Lab ID: 10156865002 Collected: 05/06/11 11:25 Received: 05/10/11 08:56 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	357	ug/m3	24.4	50.8		05/23/11 13:21	67-64-1	
Benzene	ND	ug/m3	2.0	3.13		05/20/11 16:21	71-43-2	
Bromodichloromethane	ND	ug/m3	4.4	3.13		05/20/11 16:21	75-27-4	
Bromoform	ND	ug/m3	6.6	3.13		05/20/11 16:21	75-25-2	
Bromomethane	ND	ug/m3	2.5	3.13		05/20/11 16:21	74-83-9	
1,3-Butadiene	ND	ug/m3	1.4	3.13		05/20/11 16:21	106-99-0	
2-Butanone (MEK)	37.3	ug/m3	1.9	3.13		05/20/11 16:21	78-93-3	
Carbon disulfide	7.4	ug/m3	2.0	3.13		05/20/11 16:21	75-15-0	
Carbon tetrachloride	ND	ug/m3	4.1	3.13		05/20/11 16:21	56-23-5	
Chlorobenzene	ND	ug/m3	2.9	3.13		05/20/11 16:21	108-90-7	
Chloroethane	ND	ug/m3	1.7	3.13		05/20/11 16:21	75-00-3	
Chloroform	ND	ug/m3	3.1	3.13		05/20/11 16:21	67-66-3	
Chloromethane	ND	ug/m3	1.3	3.13		05/20/11 16:21	74-87-3	
Cyclohexane	ND	ug/m3	2.1	3.13		05/20/11 16:21	110-82-7	
Dibromochloromethane	ND	ug/m3	5.3	3.13		05/20/11 16:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	5.0	3.13		05/20/11 16:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	3.8	3.13		05/20/11 16:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.8	3.13		05/20/11 16:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	3.8	3.13		05/20/11 16:21	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	3.1	3.13		05/20/11 16:21	75-71-8	
1,1-Dichloroethane	ND	ug/m3	2.6	3.13		05/20/11 16:21	75-34-3	
1,2-Dichloroethane	ND	ug/m3	2.6	3.13		05/20/11 16:21	107-06-2	
1,1-Dichloroethene	ND	ug/m3	2.5	3.13		05/20/11 16:21	75-35-4	
cis-1,2-Dichloroethene	86.8	ug/m3	2.5	3.13		05/20/11 16:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	2.5	3.13		05/20/11 16:21	156-60-5	
1,2-Dichloropropane	ND	ug/m3	2.9	3.13		05/20/11 16:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	2.9	3.13		05/20/11 16:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	2.9	3.13		05/20/11 16:21	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	4.4	3.13		05/20/11 16:21	76-14-2	
Ethyl acetate	9.0	ug/m3	2.3	3.13		05/20/11 16:21	141-78-6	
Ethylbenzene	7.3	ug/m3	2.8	3.13		05/20/11 16:21	100-41-4	
4-Ethyltoluene	17.0	ug/m3	7.8	3.13		05/20/11 16:21	622-96-8	
n-Heptane	14.5	ug/m3	2.6	3.13		05/20/11 16:21	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.9	3.13		05/20/11 16:21	87-68-3	
n-Hexane	70.6	ug/m3	2.3	3.13		05/20/11 16:21	110-54-3	
2-Hexanone	10.5	ug/m3	2.6	3.13		05/20/11 16:21	591-78-6	
Methylene Chloride	103	ug/m3	2.2	3.13		05/20/11 16:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	2.6	3.13		05/20/11 16:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	2.3	3.13		05/20/11 16:21	1634-04-4	
Propylene	179	ug/m3	17.8	50.8		05/23/11 13:21	115-07-1	
Styrene	ND	ug/m3	2.7	3.13		05/20/11 16:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	4.4	3.13		05/20/11 16:21	79-34-5	
Tetrachloroethene	4100	ug/m3	71.1	50.8		05/23/11 13:21	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.9	3.13		05/20/11 16:21	109-99-9	
Toluene	79.1	ug/m3	2.4	3.13		05/20/11 16:21	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.1	3.13		05/20/11 16:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	3.4	3.13		05/20/11 16:21	71-55-6	

Date: 05/26/2011 10:42 AM

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ANALYTICAL RESULTS

Project: 6107 Shorewood
Pace Project No.: 10156865

Sample: 6107-SSV-PEG-2		Lab ID: 10156865002	Collected: 05/06/11 11:25	Received: 05/10/11 08:56	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,2-Trichloroethane	ND	ug/m3	3.4	3.13		05/20/11 16:21	79-00-5	
Trichloroethene	146	ug/m3	1.7	3.13		05/20/11 16:21	79-01-6	
Trichlorofluoromethane	ND	ug/m3	3.4	3.13		05/20/11 16:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	5.0	3.13		05/20/11 16:21	76-13-1	
1,2,4-Trimethylbenzene	64.3	ug/m3	7.8	3.13		05/20/11 16:21	95-63-6	
1,3,5-Trimethylbenzene	20.4	ug/m3	7.8	3.13		05/20/11 16:21	108-67-8	
Vinyl acetate	ND	ug/m3	2.2	3.13		05/20/11 16:21	108-05-4	
Vinyl chloride	ND	ug/m3	1.6	3.13		05/20/11 16:21	75-01-4	
m&p-Xylene	34.0	ug/m3	5.5	3.13		05/20/11 16:21	179601-23-1	
o-Xylene	17.4	ug/m3	2.8	3.13		05/20/11 16:21	95-47-6	

ANALYTICAL RESULTS

Project: 6107 Shorewood
Pace Project No.: 10156865

Sample: 6107-SSV-PEG-3 Lab ID: 10156865003 Collected: 05/06/11 10:15 Received: 05/10/11 08:56 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	7740	ug/m3	129	268.8		05/20/11 17:48	67-64-1	
Benzene	ND	ug/m3	175	268.8		05/20/11 17:48	71-43-2	
Bromodichloromethane	ND	ug/m3	376	268.8		05/20/11 17:48	75-27-4	
Bromoform	ND	ug/m3	564	268.8		05/20/11 17:48	75-25-2	
Bromomethane	ND	ug/m3	212	268.8		05/20/11 17:48	74-83-9	
1,3-Butadiene	ND	ug/m3	121	268.8		05/20/11 17:48	106-99-0	
2-Butanone (MEK)	ND	ug/m3	161	268.8		05/20/11 17:48	78-93-3	
Carbon disulfide	305	ug/m3	169	268.8		05/20/11 17:48	75-15-0	
Carbon tetrachloride	ND	ug/m3	349	268.8		05/20/11 17:48	56-23-5	
Chlorobenzene	ND	ug/m3	253	268.8		05/20/11 17:48	108-90-7	
Chloroethane	ND	ug/m3	145	268.8		05/20/11 17:48	75-00-3	
Chloroform	ND	ug/m3	266	268.8		05/20/11 17:48	67-66-3	
Chloromethane	ND	ug/m3	113	268.8		05/20/11 17:48	74-87-3	
Cyclohexane	ND	ug/m3	183	268.8		05/20/11 17:48	110-82-7	
Dibromochloromethane	ND	ug/m3	457	268.8		05/20/11 17:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	430	268.8		05/20/11 17:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	323	268.8		05/20/11 17:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	323	268.8		05/20/11 17:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	323	268.8		05/20/11 17:48	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	269	268.8		05/20/11 17:48	75-71-8	D3
1,1-Dichloroethane	ND	ug/m3	220	268.8		05/20/11 17:48	75-34-3	
1,2-Dichloroethane	ND	ug/m3	220	268.8		05/20/11 17:48	107-06-2	
1,1-Dichloroethene	ND	ug/m3	218	268.8		05/20/11 17:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	218	268.8		05/20/11 17:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	218	268.8		05/20/11 17:48	156-60-5	
1,2-Dichloropropane	ND	ug/m3	253	268.8		05/20/11 17:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	247	268.8		05/20/11 17:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	247	268.8		05/20/11 17:48	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	376	268.8		05/20/11 17:48	76-14-2	
Ethyl acetate	ND	ug/m3	196	268.8		05/20/11 17:48	141-78-6	
Ethylbenzene	ND	ug/m3	237	268.8		05/20/11 17:48	100-41-4	
4-Ethyltoluene	ND	ug/m3	672	268.8		05/20/11 17:48	622-96-8	
n-Heptane	ND	ug/m3	223	268.8		05/20/11 17:48	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	591	268.8		05/20/11 17:48	87-68-3	
n-Hexane	786	ug/m3	194	268.8		05/20/11 17:48	110-54-3	
2-Hexanone	ND	ug/m3	223	268.8		05/20/11 17:48	591-78-6	
Methylene Chloride	ND	ug/m3	191	268.8		05/20/11 17:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	223	268.8		05/20/11 17:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	196	268.8		05/20/11 17:48	1634-04-4	
Propylene	13200	ug/m3	94.1	268.8		05/20/11 17:48	115-07-1	
Styrene	ND	ug/m3	234	268.8		05/20/11 17:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	376	268.8		05/20/11 17:48	79-34-5	
Tetrachloroethene	ND	ug/m3	376	268.8		05/20/11 17:48	127-18-4	1M
Tetrahydrofuran	ND	ug/m3	161	268.8		05/20/11 17:48	109-99-9	
Toluene	ND	ug/m3	207	268.8		05/20/11 17:48	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	266	268.8		05/20/11 17:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	296	268.8		05/20/11 17:48	71-55-6	

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ANALYTICAL RESULTS

Project: 6107 Shorewood
Pace Project No.: 10156865

Sample: 6107-SSV-PEG-3		Lab ID: 10156865003	Collected: 05/06/11 10:15	Received: 05/10/11 08:56	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,2-Trichloroethane	ND	ug/m3	296	268.8		05/20/11 17:48	79-00-5	
Trichloroethene	ND	ug/m3	148	268.8		05/20/11 17:48	79-01-6	
Trichlorofluoromethane	ND	ug/m3	296	268.8		05/20/11 17:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	430	268.8		05/20/11 17:48	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	672	268.8		05/20/11 17:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	672	268.8		05/20/11 17:48	108-67-8	
Vinyl acetate	ND	ug/m3	191	268.8		05/20/11 17:48	108-05-4	
Vinyl chloride	ND	ug/m3	140	268.8		05/20/11 17:48	75-01-4	
m&p-Xylene	ND	ug/m3	473	268.8		05/20/11 17:48	179601-23-1	
o-Xylene	ND	ug/m3	237	268.8		05/20/11 17:48	95-47-6	

QUALITY CONTROL DATA

Project: 6107 Shorewood
Pace Project No.: 10156865

QC Batch: AIR/12338 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10156865001, 10156865002, 10156865003

METHOD BLANK: 980227 Matrix: Air
Associated Lab Samples: 10156865001, 10156865002, 10156865003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	05/20/11 14:49	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	05/20/11 14:49	
1,1,2-Trichloroethane	ug/m3	ND	1.1	05/20/11 14:49	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	05/20/11 14:49	
1,1-Dichloroethane	ug/m3	ND	0.82	05/20/11 14:49	
1,1-Dichloroethene	ug/m3	ND	0.81	05/20/11 14:49	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	05/20/11 14:49	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	05/20/11 14:49	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	05/20/11 14:49	
1,2-Dichlorobenzene	ug/m3	ND	1.2	05/20/11 14:49	
1,2-Dichloroethane	ug/m3	ND	0.82	05/20/11 14:49	
1,2-Dichloropropane	ug/m3	ND	0.94	05/20/11 14:49	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	05/20/11 14:49	
1,3-Butadiene	ug/m3	ND	0.45	05/20/11 14:49	
1,3-Dichlorobenzene	ug/m3	ND	1.2	05/20/11 14:49	
1,4-Dichlorobenzene	ug/m3	ND	1.2	05/20/11 14:49	
2-Butanone (MEK)	ug/m3	ND	0.60	05/20/11 14:49	
2-Hexanone	ug/m3	ND	0.83	05/20/11 14:49	
4-Ethyltoluene	ug/m3	ND	2.5	05/20/11 14:49	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	05/20/11 14:49	
Acetone	ug/m3	ND	0.48	05/20/11 14:49	
Benzene	ug/m3	ND	0.65	05/20/11 14:49	
Bromodichloromethane	ug/m3	ND	1.4	05/20/11 14:49	
Bromoform	ug/m3	ND	2.1	05/20/11 14:49	
Bromomethane	ug/m3	ND	0.79	05/20/11 14:49	
Carbon disulfide	ug/m3	ND	0.63	05/20/11 14:49	
Carbon tetrachloride	ug/m3	ND	1.3	05/20/11 14:49	
Chlorobenzene	ug/m3	ND	0.94	05/20/11 14:49	
Chloroethane	ug/m3	ND	0.54	05/20/11 14:49	
Chloroform	ug/m3	ND	0.99	05/20/11 14:49	
Chloromethane	ug/m3	ND	0.42	05/20/11 14:49	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	05/20/11 14:49	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	05/20/11 14:49	
Cyclohexane	ug/m3	ND	0.68	05/20/11 14:49	
Dibromochloromethane	ug/m3	ND	1.7	05/20/11 14:49	
Dichlorodifluoromethane	ug/m3	ND	1.0	05/20/11 14:49	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	05/20/11 14:49	
Ethyl acetate	ug/m3	ND	0.73	05/20/11 14:49	
Ethylbenzene	ug/m3	ND	0.88	05/20/11 14:49	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	05/20/11 14:49	
m&p-Xylene	ug/m3	ND	1.8	05/20/11 14:49	
Methyl-tert-butyl ether	ug/m3	ND	0.73	05/20/11 14:49	
Methylene Chloride	ug/m3	ND	0.71	05/20/11 14:49	

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QUALITY CONTROL DATA

Project: 6107 Shorewood
Pace Project No.: 10156865

METHOD BLANK: 980227 Matrix: Air

Associated Lab Samples: 10156865001, 10156865002, 10156865003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Heptane	ug/m3	ND	0.83	05/20/11 14:49	
n-Hexane	ug/m3	ND	0.72	05/20/11 14:49	
o-Xylene	ug/m3	ND	0.88	05/20/11 14:49	
Propylene	ug/m3	ND	0.35	05/20/11 14:49	
Styrene	ug/m3	ND	0.87	05/20/11 14:49	
Tetrachloroethene	ug/m3	ND	1.4	05/20/11 14:49	
Tetrahydrofuran	ug/m3	ND	0.60	05/20/11 14:49	
Toluene	ug/m3	ND	0.77	05/20/11 14:49	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	05/20/11 14:49	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	05/20/11 14:49	
Trichloroethene	ug/m3	ND	0.55	05/20/11 14:49	
Trichlorofluoromethane	ug/m3	ND	1.1	05/20/11 14:49	
Vinyl acetate	ug/m3	ND	0.71	05/20/11 14:49	
Vinyl chloride	ug/m3	ND	0.52	05/20/11 14:49	

LABORATORY CONTROL SAMPLE: 980228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	57.4	103	66-133	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	73.6	105	70-140	
1,1,2-Trichloroethane	ug/m3	55.5	56.2	101	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	79.6	102	60-137	
1,1-Dichloroethane	ug/m3	41.2	38.4	93	65-131	
1,1-Dichloroethene	ug/m3	40.3	40.4	100	65-132	
1,2,4-Trichlorobenzene	ug/m3	75.5	70.5	93	30-150	
1,2,4-Trimethylbenzene	ug/m3	50	54.3	109	69-140	
1,2-Dibromoethane (EDB)	ug/m3	78.1	82.7	106	71-139	
1,2-Dichlorobenzene	ug/m3	61.2	54.8	90	68-139	
1,2-Dichloroethane	ug/m3	41.2	42.5	103	66-132	
1,2-Dichloropropane	ug/m3	47	49.7	106	69-130	
1,3,5-Trimethylbenzene	ug/m3	50	54.0	108	70-141	
1,3-Butadiene	ug/m3	22.5	23.7	105	68-128	
1,3-Dichlorobenzene	ug/m3	61.2	62.4	102	66-146	
1,4-Dichlorobenzene	ug/m3	61.2	61.9	101	66-142	
2-Butanone (MEK)	ug/m3	30	31.3	104	68-134	
2-Hexanone	ug/m3	41.7	44.0	106	70-144	
4-Ethyltoluene	ug/m3	50	56.4	113	65-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	44.4	107	70-139	
Acetone	ug/m3	24.2	19.0	79	56-142	
Benzene	ug/m3	32.5	35.7	110	69-129	
Bromodichloromethane	ug/m3	68.2	71.0	104	70-130	
Bromoform	ug/m3	105	109	104	67-147	
Bromomethane	ug/m3	39.5	31.6	80	67-127	
Carbon disulfide	ug/m3	31.7	29.8	94	65-131	
Carbon tetrachloride	ug/m3	64	62.8	98	62-137	

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QUALITY CONTROL DATA

Project: 6107 Shorewood
Pace Project No.: 10156865

LABORATORY CONTROL SAMPLE: 980228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/m3	46.8	49.2	105	72-133	
Chloroethane	ug/m3	26.8	27.6	103	66-127	
Chloroform	ug/m3	49.7	53.5	108	67-130	
Chloromethane	ug/m3	21	21.3	102	63-127	
cis-1,2-Dichloroethene	ug/m3	40.3	42.2	105	69-130	
cis-1,3-Dichloropropene	ug/m3	46.2	48.4	105	74-137	
Cyclohexane	ug/m3	35	37.3	106	69-137	
Dibromochloromethane	ug/m3	86.6	89.9	104	69-140	
Dichlorodifluoromethane	ug/m3	50.3	50.5	100	62-131	
Dichlorotetrafluoroethane	ug/m3	71.1	73.8	104	63-130	
Ethyl acetate	ug/m3	36.6	39.5	108	70-135	
Ethylbenzene	ug/m3	44.2	45.6	103	71-141	
Hexachloro-1,3-butadiene	ug/m3	108	128	118	30-150	SS
m&p-Xylene	ug/m3	88.3	89.5	101	68-144	
Methyl-tert-butyl ether	ug/m3	36.7	37.3	102	54-136	
Methylene Chloride	ug/m3	35.3	35.8	101	56-143	
n-Heptane	ug/m3	41.7	44.7	107	72-130	
n-Hexane	ug/m3	35.8	38.0	106	68-130	
o-Xylene	ug/m3	44.2	46.6	106	70-141	
Propylene	ug/m3	17.5	18.9	108	61-139	
Styrene	ug/m3	43.3	44.5	103	68-145	
Tetrachloroethene	ug/m3	69	73.4	106	64-142	
Tetrahydrofuran	ug/m3	30	32.0	107	70-134	SS
Toluene	ug/m3	38.3	40.9	107	69-133	
trans-1,2-Dichloroethene	ug/m3	40.3	38.0	94	64-132	
trans-1,3-Dichloropropene	ug/m3	48.2	46.6	101	71-140	
Trichloroethene	ug/m3	54.6	57.2	105	68-132	
Trichlorofluoromethane	ug/m3	57.1	54.8	96	59-136	
Vinyl acetate	ug/m3	35.8	34.1	95	70-142	
Vinyl chloride	ug/m3	26	27.0	104	64-129	

SAMPLE DUPLICATE: 981140

Parameter	Units	10157654001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	237	235	.8	25	E
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	114	110	3	25	

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QUALITY CONTROL DATA

Project: 6107 Shorewood
Pace Project No.: 10156865

SAMPLE DUPLICATE: 981140

Parameter	Units	10157654001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	131	130	.8	25	
2-Butanone (MEK)	ug/m3	6.6	6.8	2	25	
2-Hexanone	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	179	178	1	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	613	616	.5	25	E
Benzene	ug/m3	1.8	1.9	7	25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	8.5	8.1	4	25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.3	2.4	5	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	12.4	12.4	.6	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	42.0	41.4	1	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	38.0	37.9	.3	25	
n-Heptane	ug/m3	23.4	23.7	1	25	
n-Hexane	ug/m3	5.6	5.8	4	25	
o-Xylene	ug/m3	24.1	24.3	.7	25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	1.6	1.6	2	25	
Tetrachloroethene	ug/m3	8.2	7.2	13	25	
Tetrahydrofuran	ug/m3	13.7	ND		25	
Toluene	ug/m3	36.9	37.5	2	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: 6107 Shorewood
Pace Project No.: 10156865

SAMPLE DUPLICATE: 981141

Parameter	Units	10157731004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	4.5	4.1J	10	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	19.8	19.0	4	25	
2-Hexanone	ug/m3	3.3	3.1	7	25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	2.0	1.9	7	25	
Acetone	ug/m3	54.2	ND		25	
Benzene	ug/m3	22.2	21.3	4	25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	5.1	4.8	5	25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.2	2.3	3	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	3.6	3.3	8	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	6.8	6.3	7	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Heptane	ug/m3	9.2	8.9	3	25	
n-Hexane	ug/m3	12.2	11.4	7	25	
o-Xylene	ug/m3	2.2	2.1	7	25	
Propylene	ug/m3	116	111	4	25 E	
Styrene	ug/m3	3.9	3.5	10	25	

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QUALITY CONTROL DATA

Project: 6107 Shorewood
Pace Project No.: 10156865

SAMPLE DUPLICATE: 981141

Parameter	Units	10157731004 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrachloroethene	ug/m3	14.7	14.0	4	25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	30.0	28.8	4	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

QUALIFIERS

Project: 6107 Shorewood
Pace Project No.: 10156865

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.

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 NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

SAMPLE QUALIFIERS

Sample: 10156865001

[1] This result is reported from a serial dilution

Sample: 10156865003

[1] This result is reported from a serial dilution

ANALYTE QUALIFIERS

1M analyte was evaluated to /12 the reporting limit with no detections

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6107 Shorewood
Pace Project No.: 10156865

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10156865001	6107-SSV-PEG-1	TO-15	AIR/12338		
10156865002	6107-SSV-PEG-2	TO-15	AIR/12338		
10156865003	6107-SSV-PEG-3	TO-15	AIR/12338		



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

10156865

Section A

Required Client Information:
 Company: Enviro Forensics
 Address: 602 N. Capitol Ave. Ste 210
Peoria, IL 61604
 Email To: REGULATORY@enviroforensics.com
 Phone: (317) 972-7970 Fax: _____
 Requested Due Date/TAT: _____

Section B

Required Project Information:
 Report To: _____
 Copy To: _____
 Purchase Order No.: _____
 Project Name: Shoewood
 Project Number: 6107

Section C

Invoice Information:
 Attention: _____
 Company Name: _____
 Address: _____
 Pace Quote Reference: _____
 Pace Project Manager/Sales Rep: Caloyne Trout / Laurie Wolfel
 Pace Profile #: _____

03169

Page: 1 of 1

Program
 UST Superfund Emissions Clean Air Act
 Voluntary Clean Up Dry Clean RCRA Other _____

Location of Sampling by State: WI
 Reporting Units: ug/m³ mg/m³
 PPBV PPMV
 Other: _____

Report Level II. III. IV. Other _____

ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:								Pace Lab ID		
					COMPOSITE START		COMPOSITE -						PM10	3C- Fixed Gas (%)	TD-3	TD-3M (Methane)	TD-11 (PCBs)	TD-13 (PAN)	TD-14	TD-15		TD-15 Short List*	
					DATE	TIME	DATE	TIME															
1	6107-SSR-PEG-1		1LC		5/6/11	1125			30	41	2015	0031									X	10156865001	
2	6107-SSU-PEG-2		1LC		5/6/11	1125			29	41	1794	0388										X	003
3	6107-SSV-PEG-3		1LC		5/6/11	1125			30	41	1137	0062										X	003
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
<i>George Stum</i>	5/6/11	1400	<i>D. J. ...</i>	5/6/11	1400		Y/N	Y/N	Y/N	Y/N
<i>D. J. ...</i>	5/6/11	1700	<i>George Stum</i>	5/10/11	08:50	AMB	Y/N	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: George Stum
 SIGNATURE of SAMPLER: *George Stum*
 DATE Signed (MM / DD / YY): 05/06/11

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

ORIGINAL

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AIR Sample Condition Upon Receipt

Client Name: ENVIROFORENSICS Project # 10156865

Courier: Fed Ex UPS USPS Client Commercial Pace Other UNITED

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

Packing Material: Bubble Wrap Bubble Bags None Other _____

Optional
Proj. Due Date:
Proj. Name:

Tracking #: _____

Comments:

Date and Initials of person examining contents: 5-10-11 JK

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media:	<u>AR (CAN)</u>	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received: 4 CANS, 4 FC'S

Canisters		Flow Controllers		Stand Alone G		Tedlar Bags	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
<u>6107-SSV-PAG-1</u>	<u>2015</u>		<u>FC0031</u>				
<u>2</u>	<u>1794</u>		<u>FC0388</u>				
<u>3</u>	<u>1137</u>		<u>FC0062</u>				
	<u>1799</u>		<u>FC0022</u>				

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 5/11/11

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)
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