Former Shorewood Queensway Cleaners

Remedial Action Option and
Remedial Design Report

Project No.: 17-1124
WDNR BRRTS# 02-41-552089

July 18, 2018

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

909 N. 8th Street, Suite 101

Sheboygan, WI 53081

Prepared for:

Former Shorewood Queensway Cleaners

4300 N Oakland Avenue

Shorewood, WI 53211

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

July 24, 2018

Mr. John Hnat
WDNR SE Region Headquarters
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212-0436

RE: Remedial Action Options Report / Remedial Action Plan with Hazardous Waste Determination Request, Former Shorewood Queensway Cleaners, 4300 Oakland Avenue, Shorewood, WI 53211, WDNR BRRTS # 02-41-552089

Dear John:

Attached is the Remedial Action Options Report / Remedial Action Plan for the above referenced former drycleaning site. The report summarizes the results from recent groundwater and soil sampling efforts and presents a plan for soil remediation that involves excavation and off-site disposal.

Appendix D is the completed WDNR Hazardous Waste Determination Request Form, which has been submitted so approval of the planned landfill disposal criteria for the soil can be provided. Landfills will require WDNR approval of the process before they will accept the soil at a licensed subtitle D facility in Wisconsin.

A copy of this report has been sent to the neighboring property owners to the north, as the proposed remedial excavation will extend onto their property.

I trust this information meets your needs and look forward to gaining approval so we can clean this site up.

Sincerely,

Kendrick Ebbott, P.G.
Senior Hydrogeologist, Branch Manager

Attachments: RAO / RAP Report, Former Shorewood Cleaners Site

Cc: Mr. David Grams, Erastus Investments, LLC, via email to david.grams@mac.com
Mr. Tom Schafer, 4300 Oakland, LLC, via email to tschafer@wi.rr.com

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

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 9/15)

Notice: Use this form to request a **written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

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.

"Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

Select the Correct Form

This from should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

Do <u>not</u> 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 Closure - GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

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: Section 3 for technical assistance or post-closure modifications, 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 you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf"

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.

Section 1. Contact and Recipient Information

Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name	First	MI	Organization/ Business Name
Schafer	Tom		4300 Oakland LLC

Mailing Address	City	State	ZIP Code
2551 N. Wahl Avenue	Milwaukee	WI	53081

Phone # (include area code)	Fax # (include area code)	Email
(414) 840-6667		tschafer@wi.rr.com

The requester listed above: (select all that apply)

- ☒ Is currently the owner
- ☐ Is renting or leasing the Property
- ☐ Is a lender with a mortgagee interest in the Property
- ☐ Other. Explain the status of the Property with respect to the applicant:
- ☒ Is considering selling the Property
- ☐ Is considering acquiring the Property

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

☒ Select if same as requester

Contact Last Name	First	MI	Organization/ Business Name
Schafer	Tom		4300 Oakland LLC

Mailing Address	City	State	ZIP Code
2551 N. Wahl Avenue	Milwaukee	WI	53081

Phone # (include area code)	Fax # (include area code)	Email
(414) 840-6667		tschafer@wi.rr.com

Environmental Consultant (if applicable)

Contact Last Name	First	MI	Organization/ Business Name
Ebbott	Kendrick		Fehr-Graham, Inc.

Mailing Address	City	State	ZIP Code
909 N. 8th Street	Sheboygan	WI	53081

Phone # (include area code)	Fax # (include area code)	Email
(920) 453-0700		kebbott@fehr-graham.com

Section 2. Property Information

Property Name	FID No. (if known)
Former Shorewood Queensway Cleaners	241094590

BRRTS No. (if known)	Parcel Identification Number
0241552089	2390291000

Street Address	City	State	ZIP Code
4300 N Oakland Ave	Shorewood	WI	53211

County	Municipality where the Property is located	Property is composed of:	Property Size Acres
Milwaukee	○ City ○ Town ◉ Village of Shorewood	◉ Single tax parcel ○ Multiple tax parcels	0

1. **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 requested by: 09/24/2018

Reason: Remedial Action completion prior to winter freeze

2. **Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?**

◉ **No. Include the fee that is required 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.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:
Section 3. Technical Assistance or Post-Closure Modifications;
Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [Numbers in brackets are for WI DNR Use]

☐ No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - **Include a fee of $350.** Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.

☐ Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of $700.**

☐ Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of $1050.**

☐ Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of $1050.**

☒ Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of $1050.**

☒ Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of $1050.**

☐ Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of $350**

☐ Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of $425.**

☐ Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of $425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

☐ Schedule a Technical Assistance Meeting - **Include a fee of $700.**

☒ Hazardous Waste Determination - **Include a fee of $700.**

☐ Other Technical Assistance - **Include a fee of $700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

☐ Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of $1050, and:**

☐ Include a fee of $300 for sites with residual soil contamination; and

☐ Include a fee of $350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

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

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/topic/Brownfields/lgu.html#tabx4.

☐ Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

- ❖ **Include a fee of $700, and the information listed below:**

(1) Phase I and II Environmental Site Assessment Reports,
(2) a copy of the Property deed with the correct legal description; and,
(3) a draft 75.105 agreement based on the DNR's model (dnr.wi.gov/topic/brownfields/documents/mod75-105agrmt.pdf).

☐ Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]

- ❖ **Include a fee of $700, and the information listed below:**

(1) Phase I and II Environmental Site Assessment Reports,
(2) a copy of the Property deed with the correct legal description; and,
(3) a draft 75.105 agreement based on the DNR's model (dnr.wi.gov/topic/brownfields/documents/mod75-106agrmt.pdf).

☐ Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

- ❖ **Include a fee of $1400, and the information listed below:**

(1) a draft schedule for remediation; and,
(2) 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 any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

☐ Phase I Environmental Site Assessment Report - Date: _____

☐ Phase II Environmental Site Assessment Report - Date: _____

☐ Legal Description of Property (required for all liability requests and specialized agreements)

☐ Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

☐ Groundwater ☐ Soil ☐ Sediment ☐ Other medium - Describe: _____

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: Fehr Graham Rem Action Optn and Rem Dsgn Rpt with Haz Wste Detrmn

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 Notification for Hazardous Substance Discharge (non-emergency) form is available at: dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf.

Section 7. Certification by the Person who completed this form

☒ I am the person submitting this request (requester)

☐ I prepared this request for: _____
Requester 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. I also certify I have the legal authority and the applicant's permission to make this request.

Kevin A. Ely — Signature

7-24-18 — Date Signed

Branch Manager — Title

920 453 0700 — Telephone Number (include area code)

Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a DNR regional brownfields specialist with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.

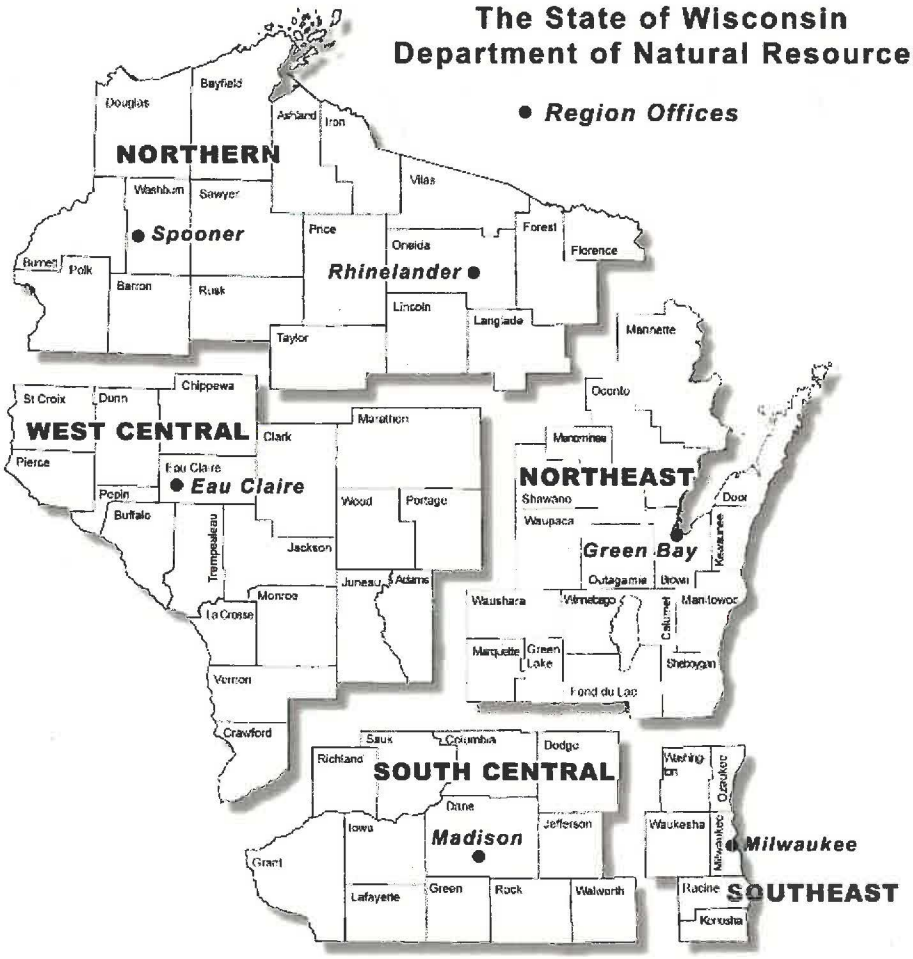
DNR NORTHERN REGION
Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION
Attn: RR Program Assistant
Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313

DNR SOUTH CENTRAL REGION
Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION
Attn: RR Program Assistant
Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee WI 53212

DNR WEST CENTRAL REGION
Attn: RR Program Assistant
Department of Natural Resources
1300 Clairemont Ave.
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only			
Date Received	Date Assigned	BRRTS Activity Code	BRRTS No. (if used)
DNR Reviewer	Comments		
Fee Enclosed? ◯ Yes ◯ No	Fee Amount $	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		

Table of Contents

I, Kendrick A. Ebbott, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 754, Wis. Adm. Code.

July 18, 2018

Signature Date

1.0 INTRODUCTION

Fehr Graham has prepared this Remedial Action Options and Remedial Design Report. The report briefly considers several remedial options, with a detailed description of the recommended remedial alternative. Information on additional soil and groundwater chemistry data has also been provided to update information in the 2014 Site Investigation Report.

1.1 Objective and Certifications

This report is intended to satisfy the requirements of NR 722 and NR 724, and presents a remedial plan for approval.

Included in the report is a discussion of the hazardous waste characterization for the soil that will be removed from the property. Appendix D is the completed WDNR Hazardous Waste Determination Form 4430-019, which needs approval as part of the report review.

Also included with the report are the additional soil and groundwater chemistry laboratory analytical reports that have been obtained to further evaluate remedial alternatives (Appendix B and C).

1.2 Project Contacts

Responsible Party:
4300 Oakland, LLC
Attn: Mr. Tom Schafer
2551 North Wahl Avenue
Milwaukee, WI 53211
tschafer@wi.rr.com
Telephone: (414) 840-6667

Environmental Consultant:
Mr. Kendrick Ebbott
Fehr Graham
909 N. 8th Street, Suite 101
Sheboygan, WI 53081
(920) 453-0700 / 0750 FAX
Kebbott@fehr-graham.com

Regulatory Project Manager:
Mr. John Hnat
Wisconsin Department of Natural Resources
SE Regional Headquarters
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212
Telephone: (414) 263-8644
John.Hnat@Wisconsin.gov

1.3 Site History and Adjacent Land Use

Shorewood Queensway Dry Cleaning is located on the northeast corner of the intersection of North Oakland Avenue and East Marion Street, in Shorewood. A Phase I investigation has not been completed on the property, but it is known that the building was previously a gasoline service station before operating as a dry cleaner for the past fifty-plus years.

The Property measures 95 feet by 100 feet north/south and the original structure measured roughly 28 feet east/west by 60 feet north/south and was expanded to the east at some point by an additional 12 feet. The building is slab on grade, but a five-foot deep former basement or crawl space was identified during the recent drilling activities in January 2018 under the northwest portion of the building, measuring an estimated 28 feet by 40 feet.

The surrounding property uses include a residence to the east (1808 E. Marion Street) which has also been acquired by the responsible party and will be part of the plan for redevelopment. That parcel has a residence with a basement and the lot measures approximately 50 feet by 100 feet (Figure 1)

To the south is Marion Street and commercial properties, and to the west is Oakland Avenue and commercial properties. To the north is a multi-tenant single story building (4312 to 4334 N. Oakland Avenue) occupied by a beauty salon, builders showroom, and other retail and service businesses. In the basement of this structure is an operating subslab vapor mitigation system. The gap between the Shorewood Queensway building and the adjacent structure to the north is only three inches. Permission to access this structure and property has been obtained for sampling and environmental testing purposes

The Shorewood Queensway Property is nearly entirely covered by the building and an asphalt lot. The neighboring residence to the east, 1808 E. Marion Street, has a grass yard, a basement, and a short driveway.

Drycleaning operations commenced in the 1960's and ceased in 2017, when the business was closed. Initially, the drycleaning machine was an old wet transfer-type machine. In the 1980's the machine was upgraded to a closed-loop system. The drycleaning machine has always been in the northeast corner of the building. Tetrachloroethene (PCE) has always been the cleaning solvent, with delivery through double rear doors on the east wall of the structure, near the drycleaning machine.

Contamination was detected in 2004 and reported to the WDNR, and the site investigation was conducted from 2009 to 2015 by Enviro Forensics Inc. The contamination is greatest in the area surrounding the drycleaning machine, where levels have been observed at depths of 10 to 11 feet that would require handling of soil as hazardous waste if excavated. Soil contamination has been observed along the utility laterals to the west, in the rear of the building to the east, and off-site to the north.

A network of nine groundwater monitoring wells has been installed and monitored, with contamination detected in groundwater primarily from only three wells (MW-3, MW-5, and MW-9, Figure 1). Contaminant concentrations in the downgradient well MW-5, located off-site to the north, have been increasing over time. The depth to water is approximately three to seven feet below grade and is present in clay till deposits.

The building immediately north of the Shorewood Queensway Cleaners building has a full basement that measures roughly eight feet below grade. Soil, groundwater, and vapor samples obtained from borings installed beneath the basement floor demonstrate the presence of contamination beneath the building.

Two vapor mitigation systems have been installed beneath the basement of this building (4312 and 4316 N. Oakland), and they have been documented to effectively capture drycleaning vapors from the subsurface, protecting building occupants.

In 2015, the site investigation performed by Enviro-Forensics was considered complete by the WDNR. Fehr Graham was hired in 2017 upon sale of the property to the current responsible party to obtain additional soil and groundwater chemistry information and evaluate remedial options. This report presents the findings and a plan for remediation prior to redevelopment of the Property and the adjacent residential property to the east. At this time, no end user has been identified.

1.4 Geology and Hydrogeology

As previously documented in the Site Investigation Report by Enviro-Forensics, the site geology consists of a small amount of sand and gravel fill beneath the building and parking area, to depths of approximately one foot below grade. There is a basement or former root cellar beneath the northwest corner of the building that extends to a depth of five feet. Soil sampling beneath this shallow basement could not be completed.

Native soil beneath the fill consists generally of silt and clay to the evaluated depth of approximately 25 feet (Figure 5). Soils are mapped as the Kewaunee Clay Loam[1], and deeper deposits consist of glacial till, with alluvial and lacustrine formations present[2]. The depth to bedrock is mapped as approximately 150 feet below grade and consists of the carbonates of the Devonian-age Milwaukee Formation[3]. The depth to water ranges from four to eight feet, and groundwater flow is to the north/northeast. The elevation of the ground surface on the 1808 Marion Street property is approximately three feet higher than the grade of the drycleaning property. All wells bail dry, and the hydraulic conductivity is quite low in the dense silty clay till formation.

Soil gas samples were retained from two sample points along the water and sewer laterals near the property boundary to assess the potential for utility conduits for vapor migration, with no elevated results detected. Six hand-auger borings were also advanced within the backfill of the water lateral and the sanitary sewer lateral for soil sampling purposes. In addition, six soil borings, with 12 soil samples, two groundwater grab samples, and six vapor soil gas samples were advanced in Oakland Avenue to assess potential migration along utility lines. Based on these test results, the extent of soil and groundwater contamination has been defined, vapor intrusion has been addressed, and impacts to the utility corridor is not a significant concern.

1.5 Potential Contaminant Migration Pathways and Receptors

The highest concentrations of drycleaning solvents are present in the saturated soil approximately eight to ten feet below grade near the former drycleaning machine. Elevated PCE levels in unsaturated soil are present beneath the Shorewood Queensway drycleaning building at borings A, B, C, and GP-1 (Figure 2, Table A.2.a).

Elevated groundwater concentrations are present on the Property and beneath the adjacent north property beneath the basement and in the eastern alley. Contamination also extends off-site to the east, but not at highly elevated levels (Figure 3, Table A.1.a).

The neighboring property to the north (4312 to 4334 N Oakland) has a basement beneath the main building that extends to a depth of approximately eight feet below grade, which is near the water table surface. Contaminated groundwater extends beneath the basement, and two active vapor

[1] 1971, Soil Survey of Milwaukee and Waukesha Counties, Wisconsin, USDA, 177 pages
[2] 1983, Need, E.A., Quaternary Stratigraphy of the Lower Milwaukee and Menomonee River Valleys, Milwaukee, WI, Geoscience Wisconsin, Volume 7.
[3] 2004, Evans, T.J., Preliminary Depth to Bedrock and Bedrock Geologic Maps of Milwaukee County, WI, WGNHS, Open File Reports 2004-14A and 14C

mitigation systems are operating to keep the subslab vapors from entering the structure above levels of concern.

Based on previous test results, no significant migration of contamination along utility lines is expected.

The site and all residences nearby are connected to municipal water, which is obtained from surface water from Lake Michigan. There are utility lines that run beneath the property within areas of impact, including a storm sewer line, two sanitary sewer laterals, a natural gas lateral, and two water laterals. The building roof downspouts extend into the subsurface, and likely connect to the storm sewer at depth.

2.0 SITE CONDITIONS

The site conditions were described in detail in the Site Investigation Report prepared by Enviro Forensics. Soil and groundwater containing elevated levels of drycleaning compounds are present on the Property. Additional soil borings (A to X, Figure 1) were advanced by Fehr Graham in January 2018 to further define the extent of drycleaning solvent in the soil. In addition, a current round of groundwater samples was obtained in January 2018, as the previous most recent results were from 2014.

Drilling was completed using a Geoprobe drill rig and macrocore sampling methods. Borehole logs are included in Appendix A. Upon completion of drilling, all borings were abandoned with bentonite. Three to four soil samples per boring were retained from various depths for laboratory analysis of VOCs (Appendix B) to fine-tune the contaminant levels for remedial action planning purposes. Soil samples were obtained from depths of up to 15 feet to help define the vertical extent of impacts. Samples were analyzed for VOCs by Pace Analytical Laboratory, Green Bay. Standard sampling preservation and handling procedures were followed. The soil chemistry analytical results are included in Appendix B.

Groundwater samples were obtained using individually dedicated bailers. Water was purged from each well until the well went dry, and the next water into the well was sampled. Analysis was performed for VOCs by Pace, with the results included in Appendix C.

A summary of the findings from all 2018 and historic soil and groundwater testing is provided below:

2.1 Soil Chemistry Results

Soil samples were obtained from borings and wells drilled beneath the building and across the property (Figure 2, Table A.2.a). Saturated soil occurs at a depth of approximately five to eight feet below grade, and many soil samples are at or below the depth where soil contamination likely reflects groundwater contamination.

The soil chemistry results indicate significant concentrations of PCE are present beneath the building, in the area near the drycleaning machine. Soils beneath the building contain up to 19,100 mg/kg PCE (Boring F, 8 to 9 feet). Two other soil samples (Boring SB-4, SB-5) from that approximate depth (ten to 11.5 feet) contain more than 3,500 mg/kg PCE.

During the previous site investigation activities, the extent of soil contamination has been defined and extends along the utility laterals to the west, in the rear of the building to the east, and off-site to the north.

The theoretical soil saturation level for PCE in soil is 240 mg/kg, meaning concentrations higher than 240 mg/kg in soil could exceed the ability of the soil to absorb PCE. The observed concentrations in soil at the site indicate there may be free-phase liquid bound in the tight silty clay soil at the site, but no free phase liquid has been observed in soil or any of the site monitoring wells. Due to the tight silty clay soil, the vertical extent of contamination is defined, based on clean to nearly clean deeper soil samples obtained across the site at several locations.

2.1.1 Soil Residual Contaminant Levels

Soil at the site exceeds the non-industrial direct contact threshold value of 33.0 mg/kg for PCE at several locations (Table A.2.a). Currently all contaminated soil at the site is covered by concrete or

asphalt and the soil does not pose a risk via direct contact. If the cover is removed during redevelopment, soils will need to be managed to limit the potential for direct contact.

Soil at the site exceeds the leach to groundwater residual contaminant levels (RCL) for three compounds, PCE, TCE, and cis 1,2-DCE. Per WDNR guidance, the generic concentration of PCE that can be present in soil and leach contaminants to the groundwater at levels above the NR 140 standards is 4.5 ug/kg. With the laboratory detection limit typically limited to 25 ug/kg, any detected level of PCE in soil is above the leach to groundwater RCL for PCE. At a few locations, levels of TCE are above the leach to groundwater RCL of 3.6 ug/kg, and at only a few locations, DCE exceeds the 41.2 ug/kg leach to groundwater RCL.

2.1.2 Hazardous Waste Determination

The soil at the site, if left in place, is not a hazardous waste. If excavated, the soil is classified as a listed hazardous waste due to the source of contamination as a spill of drycleaning solvent. Disposal of hazardous waste can be very expensive.

However, per federal and WDNR regulations, the soil can be exempt from hazardous waste disposal requirements based on the contained-out criteria, which will allow excavated soil that meets certain chemical concentration limits to be handled as a solid waste at a local licensed subtitle D landfill. Current interpretation of the hazardous waste threshold limit is the industrial direct contact threshold values, which are 145 mg/kg for PCE, 8.41 mg/kg trichloroethene for TCE, 2,340 mg/kg for cis-DCE, and 2.08 mg/kg for vinyl chloride. Some soil at the site exceeds these criteria.

Landfill acceptance at a subtitle D facility (non-hazardous waste, regular landfill) will require approval from the landfill company. The landfill will require a contained-out determination from the WDNR and they will require that the soil be documented as not characteristically hazardous. Criteria for determining whether a material is characteristically hazardous are presented in Part 261 of Title 40 of the Code of Federal Regulations (40CFR 261). Criteria include an assessment of the toxicity, which is assessed by a laboratory using the toxicity characteristic leaching procedure (TCLP extraction), and then compared to federal standard concentrations.

For PCE, the TCLP limit in the leached extract is 0.7 milligrams per liter (mg/L), and the TCE limit is 0.5 mg/l. TCLP testing of soil was completed in January 2018 and the results are summarized on Table 2 and included in Appendix B. Table 2 compares the concentration of total VOCs with the TCLP extract results. Testing was performed on six soil and four concrete samples to evaluate proper handling for these materials upon excavation.

The results indicate all four concrete samples from areas inside the building where PCE was handled (Borings A, C, E, and M) had detectable levels of PCE (0.4 to 2.12 mg/kg) and all four passed the TCLP criteria (<0.005 to 0.029 mg/l PCE). Because these samples were from areas where PCE was handled, they represent the worst-case situation for concrete contamination at the property. Based on the results, all concrete from the building floor will be handled as material that likely contains PCE, but the concrete can be discarded at a subtitle D landfill in Wisconsin.

Six soil samples have also been tested for both total VOCs and TCLP VOC analysis. These results have been used to determine a threshold value for total VOCs that indicates when the soil, if tested for TCLP analysis, would likely fail and be classified as hazardous.

Total VOC concentrations for PCE ranged from 5.16 to 81 mg/kg PCE, while up to 0.129 mg/kg TCE was present. The TCLP leachate concentrations ranging from 0.039 to 1.1 ug/l PCE and up to 0.0036 mg/l TCE. All TCE detections pass the hazardous waste threshold criteria, however, three of the six soil samples exceed the PCE threshold value of 0.7 mg/l in the TCLP extract.

Concentrations of 27.3 mg/kg and 46.1 mg/kg total PCE in soil passed the TCLP criteria of 0.7 mg/l, but concentrations of 45.8 mg/kg, 69.9 mg/kg, and 81 mg/kg PCE failed the TCLP criteria. Based on these results, it is proposed for remediation purposes, a conservative value of 40 mg/kg total PCE be used as the threshold for soil to be considered as meeting the characteristically hazardous threshold value for this Property. Threshold levels for consideration of TCE and VC to be characteristically non-hazardous will be 20 times the TCLP standard dilution levels, resulting in total VOC concentrations of 10 mg/kg for TCE and 4.0 mg/kg for VC, respectively.

For determination purposes at this Property, it is proposed that soil containing 40 mg/kg or less total PCE, 10 mg/kg or less TCE, and 4.0 mg/kg or less of VC, TCLP testing is not necessary. The soil will be considered non-hazardous, and the material can be discarded at a licensed subtitle D disposal facility.

Soil above these criteria will require either additional testing to evaluate actual TCLP test levels, or treatment to lower the contaminant concentrations, with retesting to document the material meets the threshold criteria.

A completed Hazardous Waste Determination form 4430-019 is included in Appendix D for WDNR review and approval. WDNR approval of the proposed threshold levels for both direct landfilling of soil, and treated and retested soil is requested as part of this submittal, so landfill disposal at a subtitle D facility in Wisconsin can be obtained for the three waste streams (concrete with detectable VOCs, direct haul soil containing 40 mg/kg PCE or less, and treated soil after it has been shown to be below 40 mg/kg PCE, 10 mg/kg TCE, and 4 mg/kg VC).

2.2 Groundwater Chemistry Results

2.2.1 Volatile Organic Compound Chemistry Results

Groundwater samples were obtained in January 2018 from all nine-groundwater monitoring well locations. The results are included in Appendix C, mapped on Figure 3, and all historic results are summarized on Table A.1.a.

Three of the nine groundwater sample locations (MW-3, MW-5, and MW-9) contain elevated levels of the drycleaning solvent PCE, while two downgradient wells (MW-5 and MW-9) also contain elevated concentrations of degradation products TCE and DCE. The other six groundwater sampling locations contain no detectable concentrations of drycleaning chemicals. Based on the groundwater and saturated soil chemistry results, the groundwater contamination extends from the building onto the property to the north.

A trace detection of benzene has been noted in groundwater from monitoring well MW-8, located south of the residential house at 1808 E. Marion Avenue. It is not clear why benzene is present at this location, but levels are less than the NR 140 Enforcement Standard (ES) and only slightly above the NR 140 Preventive Action Limit (PAL) standard.

The samples obtained in January 2018 were the seventh round of data from some locations, with sampling initiated in February 2009. Trends are generally stable over time at two of the three locations where drycleaning solvent has been present in groundwater, however increasing concentrations have been noted in groundwater from well MW-5, located immediately north of the Property in the alley, hydraulically downgradient from the drycleaning operations.

2.2.2 Geochemical Groundwater Chemistry Results

Conditions indicate the groundwater contains moderate levels of dissolved oxygen (greater than 1.0 ppm) and positive oxidation reduction potentials. These conditions do not favor reduction of the spilled PCE via reductive dichlorination, and the limited conversion of PCE to TCE and DCE daughter products reflects the non-reducing hydrogeochemical conditions.

2.3 Vapor and Indoor Air Chemistry Results

Subslab vapors and indoor air samples from the neighboring residence to the north have been obtained and two active subslab vapor mitigation systems are operating to capture subslab vapors from beneath the building basement.

Based on the available information, operation of these systems should continue.

3.0 REMEDIAL ACTION OPTIONS

Per NR722, three remedial action options for site remediation are presented below. The options have been qualitatively assessed based on technical implementability, duration, cost, and other factors.

Other remedial options, such as natural attenuation alone, were not considered viable alternatives for this situation, as the concentration of contamination beneath the building and the increasing concentrations in groundwater from well MW-5 necessitates an active remedial action. Per NR 724, the selected remedial option is described in detail in Section 3.6.

3.1 Area of Remediation

The investigation at the Shorewood Queensway drycleaning facility has defined the area of soil contamination. Soil chemistry results are shown on Figure 2.

The area of remediation will attempt to decrease the contaminant mass in the area of known soil and groundwater contamination, with the expectation that associated reductions in soil, groundwater, and vapor chemistry concentrations will follow.

It is expected redevelopment of this property will include removal of the existing building, and remediation can proceed without having to accommodate residual structural impediments.

All remediation options will require post-remediation monitoring of groundwater over time to demonstrate success. All methods will also involve testing of subslab vapors beneath any new structure and will likely require operation of an active subslab vapor mitigation system.

3.2 Remediation Goals

The overall goals for remediation at the site will be the NR 140 groundwater standards (ES and PAL). Efforts will be made to significantly reduce the soil contaminant mass. Elimination of all contamination in soil below the generic WDNR RCL's will not be possible or cost effective, regardless of the remediation method, as low levels of PCE are present off-site beneath Oakland Avenue.

If the remedial action has eliminated the majority of the contamination and groundwater contaminant levels display stable or declining concentrations over time, it will be possible to obtain case closure. A Geographic Information System (GIS) listing for residual soil and groundwater contamination will be necessary for this site, as well as a Maintenance Plan requiring the upkeep of a remaining cap over residual soil containing concentrations of drycleaning chemicals above the leach to groundwater RCLs. Remaining groundwater contamination that extends to off-site properties and the adjacent streets will require notification to the property owner(s).

Operation and maintenance of the subslab vapor mitigation system beneath the neighboring building will continue to be necessary. Any new construction on the Property will need to plan for vapor mitigation following construction, including a likely need for installation of an active or passive subslab venting system.

3.3 Remediation via Soil Vapor Extraction

This remedial approach involves installation of a network of vertical extraction wells with horizontal header pipes connected to a vacuum blower. The blower will operate to remove soil vapors from the subsurface, withdrawing residual PCE contamination that is present within the

vapors. This method could be used to address unsaturated soil contamination and may be able to dewater shallow contaminated soil sufficiently that vapor movement through some currently saturated soil can be accomplished.

A pilot test would be completed on a single test well to determine how effective a vertical extraction well performs, and to evaluate the radius of influence for design of a full-scale extraction well system.

Extracted vapors would be discharged to the atmosphere. Based on subsurface contaminant concentrations, initially the recovered vapor concentrations would be high, and catalytic oxidation of the off gasses, and an air permit, may be necessary.

Vapor extraction at this site is not expected to function effectively for remediation of the most contaminated material due to the presence of the water table surface at eight feet. The most contaminated media is within a tight silty clay, and the presence of water in this material makes extraction of contaminated vapors difficult. Dewatering the formation is a possibility, and dual extraction of water and vapor can be performed, but that will require a heated treatment system building to house a groundwater remediation tray air stripper with carbon polish.

The treatment equipment can be noisy, and care would need to be taken to avoid disruption to the neighborhood.

The duration required by this approach is difficult to estimate but would likely require a minimum of two years of intermittent vapor extraction and dewatering operations.

Closure is expected to be possible after it has been demonstrated the contaminant levels are stable or declining in the groundwater and that concentrations won't rebound after the system has been shut down.

3.4 Excavation and Treatment of Soil, Landfill Disposal, Post-Excavation Monitoring

This remedial approach involves excavation and removal of contaminated soil combined with post-excavation groundwater monitoring to evaluate groundwater contaminant trends over time. Three materials will be excavated for landfill disposal:

- Concrete containing solvent contamination
- Direct landfilled soil
- Treated soil

Concrete located near the former drycleaning machine will be discarded at the landfill. Concrete and asphalt not near solvent handling areas will be removed from the site during redevelopment and recycled.

Direct landfilled soil will be removed and loaded directly into dump trucks for hauling to the landfill. Soil known to contain concentration of VOCs below threshold limits (proposed to be less than 40 mg/kg PCE, based on existing total VOC and TCLP VOC data) will be excavated and hauled to the landfill. Excavation of soil containing more than 1.0 mg/kg total VOCs will be targeted for removal from the site.

Soil with levels below 1.0 mg/kg will not be removed, however, should excavation of these soils prove necessary for redevelopment, the material will be hauled to the landfill for proper disposal, and not removed from the site as clean fill. The 1.0 mg/kg total VOC target RCL concentration is

proposed as a practical limit that eliminates most contaminant mass, but recognizes it is not economically possible to remove all soil containing detectable levels of VOCs.

The third category of soil to be removed is treated soil. Treated soils consist of highly contaminated soils that would be classified as hazardous waste upon excavation and will therefore be cost prohibitive to excavate for direct disposal. Instead, these soils will be chemically treated in-situ, tested following treatment, and landfilled when the soil meets disposal criteria. The highly contaminated soils will be mixed with oxidizing chemicals, such as persulfate or Fenton's Reagent, to reduce the concentration of solvent in the soil.

If the soil chemistry results do not pass the landfill disposal criteria, additional chemical addition and mixing will be performed and testing redone until the material meets the disposal criteria. Once the soil chemistry results demonstrate compliance with landfill disposal criteria, the treated soil can be hauled to the landfill for disposal.

The catch basin in the alley off-site to the north of the Property will be excavated to access contaminated soil that has migrated off-site to the north. The catch basin will be replaced once the soil has been removed and discarded, and a new catch basin installed.

The excavation will extend to a depth of 18 feet below grade in targeted areas, to remove as much contaminant mass as possible. Recognizing that not all soil containing elevated levels of PCE will be removed due to depth constraints and the need to maintain the integrity of the adjacent building basement to the north, chemicals will be mixed into the residual soil along the base and walls of the excavation to treat residual contamination. Longer-lasting chemicals, such as bioavailable material (BAM) or zero valent iron (ZVI) would be the preferred chemicals to add to the remaining excavation soils.

Upon removal of the contaminated soil to the landfill, the excavated areas will be backfilled with granular fill and restored. Replacement monitoring wells will be installed in several areas to serve as groundwater monitoring points for evaluation of post-excavation groundwater chemistry.

After removal of the contaminated soil and saturated soil, groundwater monitoring would be completed to assess the progress of the contaminant reduction. Excavation below the water table surface will be completed, to remove as much contaminant mass as possible. Groundwater chemistry should improve over time due to the removal of the residual soil contamination. Downgradient wells may require some time to display improvements due to the low groundwater flow velocity. An estimated three years of post-treatment groundwater monitoring will be completed. Closure is expected to be possible after it has been demonstrated contaminant levels are stable or declining in groundwater.

The advantages of this approach include certain removal of accessible contamination. Drawbacks include the inability to remove all contaminated soil due to the adjacent building basement.

Treatment of the higher levels of contamination in-situ along this relatively busy section of Oakland Avenue will require care be taken to safely limit foot traffic near the excavation. Closure of the sidewalk adjacent to the site is recommended to limit pedestrian traffic along the excavation perimeter.

3.5 In-Situ Chemical Treatment and Monitoring

This remediation option involves injection of chemicals to treat saturated and unsaturated soils via chemical reactions. Chemicals typically utilize either oxidation processes, to chemically destroy

the contaminants of concern, or reduction processes, which enhance the site conditions to allow for acceleration of reductive dechlorination of the contaminants.

Either process can eliminate PCE, TCE, and associated degradation products, both beneath the building and wherever the chemicals contact the contaminants. At this site, the groundwater chemistry typically contains more than 1.0 ppm dissolved oxygen, and the site conditions are not currently reducing. It is typically advantageous to enhance the existing redox conditions instead of trying to alter them to a differing oxidation state, so for this site, oxidation would likely be best suited to address residual contamination.

A batch test or field pilot test would typically be performed to evaluate optimal chemistry formulation for injection. The pilot test or batch test will require one day for field activities, followed by post-treatment monitoring to evaluate success.

Full scale injection would require approximately five days for completion and may occur while extracting water from a centrally located well to draw injected liquid chemical formulations toward the treatment zone. A ring of injection borings will surround the hottest areas of contamination, and a vacuum truck will draw water from the central well. Recovered water will be containerized, tested, and treated, if necessary, prior to disposal to the sanitary sewer under a permit.

Injection will proceed from approximately 30 to 40 borings on an estimated 5 to 10-foot spacing, with injection from five to 18 feet below grade. Field observations of the injection, and the ability of the formation to accept the injected material may dictate modification of the planned injection array.

The chemical reaction via injection will depend on the proposed chemistry but is expected to involve persulfate or other strong oxidizers. Due to the high concentrations in some areas, it is expected four separate rounds of injection using oxidizers will be needed over the course of six months to address the contaminant mass without observation of post-injection rebound. Testing to assess whether the oxidation chemistry has been completely spent will be performed to determine when the next round of injections should occur. After the last injection round, use of a longer-lasting chemistry, such as zero valent iron or BAM, may be advantageous.

After injection of the chemicals and during the remediation process, groundwater monitoring will be completed to assess the progress of the contaminant removal. An estimated three years of post-treatment monitoring will be completed. Closure is expected to be possible after it has been demonstrated the contaminant levels are stable or declining in the groundwater.

The primary drawback to this remedial approach is the uncertainty regarding the ability of the formation to accept injected liquids, and the potential need for multiple injections to reduce high levels of contamination. As a result, this approach can be costly, and may require a longer period to implement.

3.6 Recommended Remedial Option

The recommended remedial option for the site is excavation and off-site disposal of contaminated soil, followed by placement of residual chemicals in the excavation base, and post-excavation groundwater monitoring.

The work will be staged in Tasks as detailed below.

3.6.1 Task 1: Injection and WPDES Permit, Landfill Approval, Contractor Bids

Under this task, approvals and set-up steps will be performed. A WPDES permit/injection permit will be obtained from the WDNR for the mixing of chemicals to the soil. There is a separate $700 permit review fee from the WDNR for approval of an injection permit.

The WDNR approval of this report and the planned chemical treatment process/soil contaminant levels identified in Section 2.1.2 will be used to obtain landfill disposal approval of the three waste streams – concrete, direct hauled soil, and chemically treated soil. Landfill generator information and billing will be established, and manifests obtained to track each load of material taken to the landfill.

A scope of work and bid specification will be prepared and sent out to targeted contractors. While the chemical contractor, landfill, and laboratory services have already been bid out for award, the excavation contractor services should be formalized via bidding after the approach has been approved by the WDNR.

3.6.2 Task 2: Project Management, Access Agreement, Utilities, Village Shorewood Approval

Project management activities include management of communication with all involved parties, meetings to discuss the planned remedial action with neighboring property owners and the Village of Shorewood, and budget tracking.

Permission for access to the neighboring property to the north to complete excavation activities will be obtained. Permission has already been obtained for sampling of the site monitoring wells. A copy of this report has been sent to the neighboring property owners, so they are fully aware of the proposed actions.

Utilities will be disconnected during the building demolition process, and typically are cut off at the right of way. Requirements for disconnect of the sanitary sewer lateral, water lateral, gas and communications services will be identified from the respective utility companies. The building appears to have roof downspouts that likely connect underground to the storm sewer catch basin to the northwest in the alley. Upon removal of the building, these connections will also be eliminated.

Electric power is connected aboveground to a power pole located off the building northeast corner. WE Energy has been contacted to determine disconnection requirements, and if the pole can be removed entirely and power rerouted to other adjacent users. The pole also contains an overhead light, and handles other utilities, and replacement may be necessary instead of removal and rerouting.

Once development plans are finalized, the Village of Shorewood will be contacted, and approval sought for implementation of the planned building demolition, soil excavation activities. It is expected the Village will want to review a health and safety plan and may have requirements for pedestrian foot traffic control. Closure of the sidewalk along Oakland Avenue is recommended, if possible, and fencing shall be erected to limit access to the excavation and treatment area.

Village requirements for removal and replacement of the storm sewer catch basin north of the site will be obtained. Soil excavation is planned in this area to remove contaminated soil around the catch basin.

Neighboring property owners to the north and east will be notified of the pending excavation project. Since some of the work is being performed on the north adjacent property, the access agreement will need to be modified to accommodate the project. Other neighboring property owners/tenants should be made aware of the planned activities.

3.6.3 Task 3: Excavation and Treatment

Building demolition of the above-ground structures will be completed leaving existing concrete and asphalt surfaces intact until the soil excavation and treatment contractors are ready to commence. Asbestos assessment and abatement have already been completed, and an independent demolition contractor may complete the demolition of the above-grade structures.

Excavation boundaries will be marked as shown on the attached Figure 4, and Table 3 identifies the dimensions and quantities expected to be handled during the remedial action. At this time, an end user and formal redevelopment plan has not been identified, and the plan for remediation involves removal of the most contaminated soil, with restoration back to grade, followed by capping with gravel and dense traffic bond bayssurface materials.

Post-excavation groundwater monitoring will be completed to evaluate post-excavation trends over time. Once groundwater chemistry results display stable or decreasing levels, case closure can be pursued. A minimum of four post-excavation sample rounds will likely prove necessary.

Upon identification of an end user and redevelopment plan, additional soil remedial actions may be needed, depending on the redevelopment plan. For example, if an underground parking structure is desired as part of a future development, more soil will be removed from the property, and some of that soil will contain low levels of PCE that can be part of the "direct landfill" material. Other soil will be excavated that is completely clean and can be removed from the site as clean fill. If redevelopment with a slab on grade building occurs, installation of a subslab vapor mitigation system will likely be required beneath the structure. Because the final use is not known at this time, the remedial action plan is to remove significant contaminant mass to document source removal is effective, while recognizing additional actions may be needed upon redevelopment.

Fehr Graham staff will supervise the excavation and treatment process and maintain compliance with permits during the project. Requirements of the WPDES permit or any required City of Shorewood permits will be followed.

As will be required by a typical WPDES Permit, monitoring of the water level, dissolved oxygen, pH, ORP, and conductivity in the groundwater at select wells will periodically be performed before, during, and after the excavation. Monitoring of the headspace and ambient air of the 4312 basement and select monitoring wells will be performed using a four-gas meter.

3.6.3.1 Waste Streams and Disposal

As noted in Section 2.1.2 above, three waste streams and the quantities estimated for removal to the landfill include (Table 3):

- Concrete containing any detectable level of VOCs, 151 tons to the landfill. An additional 235 tons of concrete from both the 4300 Oakland address and the 1808 Marion Street residential structure demolition, plus 24 tons of asphalt are anticipated to be removed and taken to an off-site recycling facility. The concrete and asphalt quantity calculations are shown in Appendix E.

- Soil containing PCE, TCE and VC below 40, 10, and 4 mg/kg respectively, 1392 tons to be excavated and directly landfilled upon excavation.

- Soil containing PCE, TCE, or VC above 40, 10, or 4 mg/kg respectively, 575 tons will be chemically treated in place and retested after allowing for reaction time. Upon obtaining test results that show the concentrations fall below threshold concentration of 40 mg/kg PCE **or** pass the TCLP limitations (0.7 mg/l PCE, 0.5 mg/l TCE, 0.2 mg/l VC), the soil will be landfilled at a subtitle D facility in Wisconsin.

Calculated quantities generated during the remedial excavation are shown on Table 3, and the proposed soil remediation layout is mapped on Figure 4 and in cross section on Figure 5.

3.6.3.2 Excavation

Excavation will take place on the 4300 Oakland property and will extend off-site to the north into the alley behind the adjacent 4312 Oakland Avenue. Excavation depths are projected to extend to 12 to 18 feet in the most contaminated areas based on soil chemistry results. The excavation is not intended to removal all detectable contamination, only the most significant contaminant mass.

The excavation depth and slope may require adjustment as the excavation proceeds. At this time, we anticipate being able to excavate to a depth of 18 feet without encountering significant quantities of water due to the tight silty clay soils encountered beneath the site. If significant water enters the excavation, it may not be possible to excavate as deep as planned.

Where necessary, the excavation will be sloped on a 1 to 1 ratio from the adjacent ground surface to prevent potential structural damage to the adjacent roadway or buildings. The only place this is expected to occur is adjacent to the 4312 basement to the north. The north wall excavation will be vertically sloped to a depth of approximately eight feet, followed by sloping to the south to preserve a 1 to 1 slope from the basement floor extending south. Sloping on a 1 to 1 gradient may also prove necessary east of the 4312-building basement during excavation in the alley to the east, although the excavation depths immediately east of the building are only planned to nine feet.

The building roof downspouts that extent into the ground from the 4300 Oakland Avenue Property will be entirely removed, as will the storm sewer collection basin in the alley just north of the northeast corner of the 4300 Oakland property. Temporary stormwater collection and routing to the existing Stormwater drain in the alley north of the site will be hooked up to minimize collection of precipitation in the excavation.

It is assumed due to the tight formation and limited recovery of the nine site groundwater monitoring wells that there will be minimal water entering the excavation. If water enters the excavation that requires removal, the water will be removed using a septic hauler, and discarded at a nearby wastewater treatment plant. Testing of the water will likely be necessary to obtain approval for disposal.

If significant amounts of water enter the excavation that require removal prior to backfill placement, it may be necessary to rent a large storage tank to temporarily store the water, and then test and treat the water using activated carbon prior to disposal.

No contaminated soil excavation and disposal is planned for the 1808 E Marion Street property. The building will be demolished, and the basement removed. Soil samples will be retained from the soil beneath and outside the basement, but only for documentation purposes of the remaining-in-place chemistry should future development involve removal of soil from this area. The 1808 Marion Street basement will be backfilled with imported fil, as described below.

3.6.3.3 Perimeter Soil Sampling and Well Replacement

Upon completion of the excavation, soil samples will be retained from the excavation perimeter, where necessary, to document remaining in place soil chemistry results. Many locations already have soil test results that document the remaining chemistry, but an estimated 35 soil samples will be retained from the excavation walls and floor to help finalize the chemistry of the remaining in place soil. An approximate 25-foot perimeter spacing will be planned for final soil chemistry sampling locations. Wall soil sample depths will typically include two intervals, one from the top four feet of soil, to assess potential future direct contact risks, and deeper intervals where the most elevated contaminant concentrations have been observed.

Monitoring wells MW-3 and MW-5 will be removed during the excavation activities, but both wells will be restored in the backfill as wells MW-3R and MW-5R in the same approximate areas. Well screened intervals will extend from approximately 3 to 13 feet below grade at each location.

Figure 6 shows the proposed final excavation limits, remaining soil sample locations, and post-excavation groundwater monitoring locations.

3.6.3.4 Treatment of Soil

Treatment of the most contaminated soil will be performed using a backhoe bucket to mix soil in lifts with a combination of Fenton's Reagent followed by BAM, a proprietary pyrolized carbon-based amendment. Treatment will be performed in lifts of approximately four feet thickness, and the mixing will be completed in the ground using the backhoe bucket. The location of soil to be treated is included in a table in Appendix E.

Mixing will involve spraying and backhoe working of Fenton's Reagent, which consists of simultaneous addition of liquid hydrogen peroxide and liquid sulfuric acid/ferrous sulfate solutions. Orin Remediation Specialists, Verona, WI will perform the mixing and direct the operations. Typical operations include mixing of aqueous solutions of peroxide and acid in separate tanks confined in a remediation trailer, with pumps and spray nozzles used to direct the solutions to the soils within the excavation.

Fenton's Reagent will be added as an oxidizer to chemically combust chemical contaminants. Fenton's combined with soil and PCE will result in complete destruction of PCE and will result in an exothermic reaction. The soil will have the consistency of oatmeal upon completion of mixing. An estimated 3,000 gallons of 15% Fenton's solution is planned for treatment of the 600 tons of soil.

After treatment with sufficient Fenton's reagent, BAM will be added. An estimated 40 cubic yards of BAM has been included in the cost estimate for the treatment of approximately 600 tons of soil. BAM is a clean biomass waste solid with a high surface area of carbon. Further information on BAM is provided in Appendix E.

A site-specific health and safety plan will be prepared and information regarding the process will be shared with the Village of Shorewood and neighboring property owners. Closure of the sidewalk on the east side of Oakland Avenue will be requested, and fencing will be erected around the perimeter of the property. The liquid applications will be directed into the ground, and the area of treatment is approximately 50 feet from the sidewalks on Marion Street and Oakland Avenue. The potential for public exposure and safety issues are minimal.

Workers will be protected from contact with Fenton's Reagent via wearing of Tyvek, gloves, goggles, and booties. Air-purifying respirators with organic vapor cartridges may be worn depending on site conditions and breathing space monitoring findings. The breathing space air will

be monitored in the field for organic vapor content using field photoionization detectors. It is expected wearing of respiratory protection will not be necessary, but may occur during tasks, such as mixing.

Mixing will be completed in lifts, as necessary to address all contaminated soil targeted for treatment and removal. Mixing and excavation are anticipated to require three days, depending on the conditions.

Upon completion of mixing and chemical addition, the treated soil will be temporarily placed in the five-foot deep concrete basement of the building. The basement was not identified during previous site investigation activities and was identified during drilling in January 2018. The basement is located beneath the northwest corner of the building and is expected to measure approximately 25 feet by 40 feet by five-foot depth (185 cubic yards).

Details on timing and testing will be worked out upon award of the project with a contractor, but at this point, we expect the process for mixing to proceed in lifts as follows (Figure 4 and 5):

- Treated soil T1 (0.5 to 5 feet) 38 cubic yards
- Treated soil T2 (5 to 9 feet) 149 cubic yards
- Treated soil T3 (9 to 14 feet) 134 cubic yards
- Treated soil T4 (14 to 18 feet) 78 cubic yards

It is expected approximately ½ of the planned 400 cubic yards of treated soil can be mixed and stockpiled in the concrete basement. If necessary, 30-cubic yard steel lugger boxes may be rented to store the mixed and treated soil. This would only be necessary if it proved cost effective to do so from a timing perspective, or if water infiltration into the excavation required prompt removal of the deeper treated soil so backfill placement could proceed, minimizing the need for handling of infiltrating water. Rented lugger boxes will be lined with plastic and filled with the mixed soil. If needed, an estimated five boxes would be stored at the site to receive soil. The boxes would likely be stored on the eastern 1808 Marion Street property due to space limitations. The boxes would be covered with plastic and placards placed to indicate the contents are hazardous.

After approximately 12 hours for Fenton's Reagent reactions to go to completion, samples will be obtained for chemical analysis of total VOCs to document the soil meets the criteria necessary for approval of landfill disposal. One sample will be retained for every approximately 15 cubic yards of mixed soil, or roughly 27 samples total. Samples will be obtained of the treated soil using the backhoe bucket using a grid system to define sampled locations. For example, if full to a five-foot depth, the 25 by 40-foot basement filled with treated soil will be sampled at 12 locations using a grid system.

Upon receipt of the laboratory results, decisions will be made regarding whether the material can be landfilled. The results will be forwarded to the WDNR and the landfill. If the soil concentrations are below 40 mg/kg PCE, 10 mg/kg TCE, and 4 mg/kg VC, the material will be acceptable for landfill disposal at a subtitle D facility in Wisconsin. The material will then be removed and landfilled using the backhoe and dump trucks.

If testing indicates further treatment is necessary, the treated soil from that grid location will be treated further via chemical addition and mixing. More BAM will be added, and the material allowed to set for 12 hours prior to sampling for a second test. An empty drop box may be needed to facilitate mixing and chemical addition, if required.

While waiting for the treated soil test results, excavation will continue in areas planned for excavation and direct landfill hauling/disposal. Backfill can be delivered to the site so backfill can be placed rapidly after the final excavation is complete.

After the treated soils are removed from the basement to the landfill for disposal, the basement will be removed, with the concrete from the basement hauled to the landfill for disposal.

Excavation can then proceed beneath the basement and to deeper intervals, with mixing completed in lifts. Upon mixing, the soil will be left in place in the excavation for an estimated 12 hours, until sampling on a grid can be completed using the backhoe bucket. One sample per 15 cubic yards will be obtained to confirm the treated soil is suitable for landfill disposal, at which time the deeper treated soils will be removed and discarded.

Accounting for the added weight from the addition of water and chemicals, the total tonnage assumed removed for landfill disposal is 863 tons of treated soil, 1416 tons of direct haul soil, and 151 tons of concrete.

3.6.4 Task 4: Backfill and Base Chemical Treatment of Saturated Soil

To further enhance groundwater degradation, once the excavation has reached the planned depth of approximately 12 to 18 feet below grade, additional BAM will be placed in the base of the excavation. The BAM will be briefly incorporated into the base soils using the backhoe bucket to facilitate contact with the soil.

An estimated 12 cubic yards of BAM will be added, targeting the bottom foot of the deepest portions of the excavation from 12 to 18 feet, and the walls adjacent to the north (hydraulically downgradient). BAM has abundant surface area for hosting microbial communities and absorption of residual organic contaminants. BAM has an estimated half-life of 500 years and will remain present to remove and provide biological treatment of residual PCE that cannot be removed via excavation. Information about BAM is included in Appendix E.

Backfill will consist of bank run sand and gravel compacted in one-foot lifts, or a comparable material suitable for future redevelopment. If the base of the excavation is wet, use of clear stone to raise the base grade above the water surface may prove necessary. The excavation will be restored to grade and will be sloped to drain toward the replaced catch basin to the north. The top foot of the excavation will be restored with finer-grained materials (traffic bond) that will set up as a hard surface to limit infiltration of precipitation. It is likely the surface covering will be temporary and will be replaced upon identification of a redevelopment strategy.

On the 1808 Marion Street parcel, backfill to grade will be completed in the former structure basement. At this time, bank run sand or equivalent material is planned for placement. Site soils will not be used for placement in the basement void.

Except for the excavation proposed for completion on the 4312 parcel to the north, no resurfaced of concrete or asphalt will be performed at this time. Future property uses are not known, and placement of asphalt or concrete is premature.

The property to the north will be restored to current conditions, with installation of concrete and asphalt. The storm sewer catch basin will be replaced with a similar structure, with requirements obtained from the Village of Shorewood.

At this time, the existing power pole located near the north east corner of the Property building is expected to remain in place. If that is not feasible, removal and replacement of the pole and

associated light and telephone/cable lines may need to be completed. A visit by the utility company and the excavation contractor to view the situation will be necessary to identify required options for the power.

Two groundwater monitoring wells will be replaced in the backfill – well MW-5R and Well MW-3R at the locations shown on Figure 6. These wells will have flush mount traffic-weight covers.

3.6.5 Task 5: Remedial Action Documentation Report

Approximately one month after the excavation, Fehr Graham staff will monitor the groundwater chemistry from all nine site monitoring wells. Samples will be obtained for VOCs and field measurement of DO, ORP, pH and conductivity.

Vapor monitoring (PID response, four gas meter measurements) of the headspace at well MW-9, MW-3R, MW-5R, MW-6, the ambient air in the basement, and the exhaust gas from the subslab vapor mitigation system exhaust piping at the 4312 and 4316 Building will also be measured.

Following receipt of the initial post-excavation groundwater sampling results, a remedial action documentation report will be prepared and submitted to the WDNR. The report will summarize the soil excavation and treatment activities and will document the results of the groundwater and field vapor testing.

3.6.6 Task 6: Semi-Annual Groundwater Monitoring and Status Reports

Following the excavation and initial post-excavation groundwater sampling event, groundwater monitoring will be completed on a regular, twice-annual basis. Monitoring will be completed at all nine wells for four events (two years) for a total of 36 samples. Testing will be for VOCs, and on two of the events will include analysis of methane, ethane, and ethane (18 samples).

Monitoring will also include testing for field parameters D.O., ORP, pH, and conductivity on each event. Sampling will be completed using individually dedicated bailers and nylon rope.

3.6.7 Task 7: Vapor Monitoring of Off-Site Property

In conjunction with the groundwater sampling events, twice-annual field measurement of the subslab, ambient air, and exhaust vapor from the 4312 and 4316 basement vapor mitigation systems will be completed. The results will include testing of VOCs using a field PID, and testing using a four-gas meter for percent LEL, CO2, oxygen, and hydrogen sulfide.

If, as expected, the groundwater chemistry results support pursuit of case closure at the end of the proposed two years of post-excavation groundwater sampling, vapor sampling from the 4312 and 4316 Oakland Avenue basement will be performed. Sampling will be performed using laboratory analysis of subslab vapors and indoor vapors, if appropriate, and will mirror testing completed during the site investigation. If the results appear suitable, the closure request may propose that the vapor mitigation system no longer be operated.

If elevated readings persist, continued operation of the existing system will be proposed.

3.6.8 Task 8: Case Closure Request and Well Abandonment

Upon obtaining results that warrant closure, a case closure request will be prepared. The report will include information required by the WDNR to be filed for the property, and it is expected a soil and groundwater GIS packet will be part of the closure submittal.

The closure will also include notifications to off-site properties that have been affected by the contamination and will include a Maintenance Plan that will include requirements for maintenance of the existing subslab vapor mitigation system within the 4312 and 4316 building basements.

Submittal of the Closure Report and GIS packet requires payment to the DNR of $1,700 in fees. Upon obtaining case closure, the WDNR will require that the existing monitoring wells be properly abandoned per NR140 code requirements.

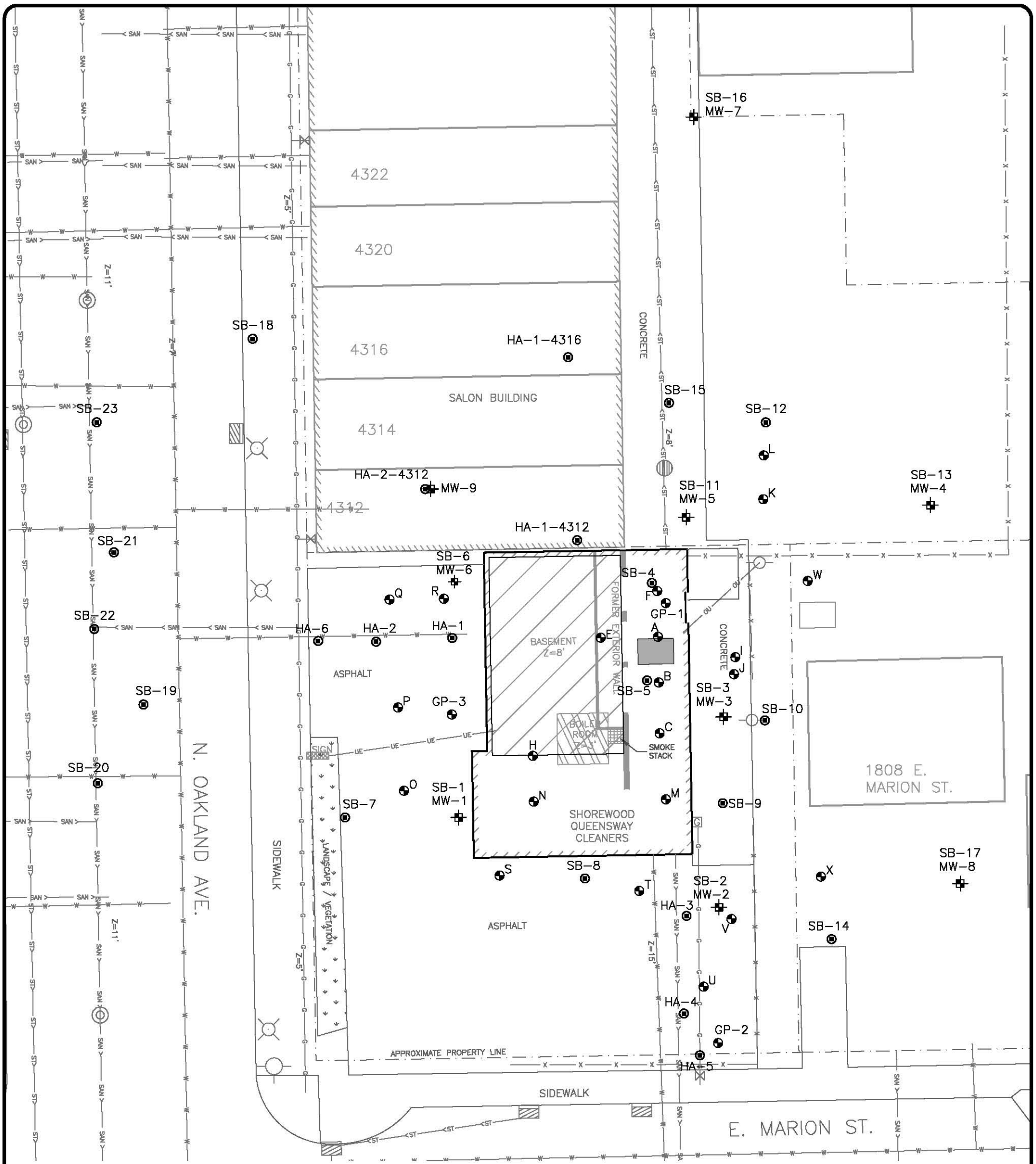
This plan for remediation and closure assumes no development occurs on the Property that would involve further excavation, installation of footings or structures, or paving. If property development occurs, other steps will likely be necessary, including installation of a vapor mitigation system beneath any new structure on the Property, or further landfill disposal of soil.

4.0 SCHEDULE

The anticipated project schedule is estimated below. The schedule will depend on the length of time for agency and municipal review and approval, weather delays as the soil treatment process should not be attempted during frozen conditions, laboratory turnaround, contractor scheduling, and other factors.

Activity	Estimated Start	Duration	Comments
Review and Approval of RAO / RAP Report	Sept 2018	2 months	WDNR and Client Need to Approve and Execute Contract
WPDES Permit, Village Shorewood Approval, Landfill Approval	Oct 2018	1 month	Start while DNR Reviewing Plan
Excavation and Treatment, Backfilling	Nov 2018	2 weeks	
Post-Excavation GW and Vapor Monitoring: 1 Month After	Jan 2019	1 day	
Remedial Action Documentation Report	March 2019	2 months	Wait for lab results, report preparation
Semi-Annual GW and Vapor Sample Events	June, Dec 2019; June 2020	1-day sample, report to follow next month	Terminate if data supports closure sooner
Final Vapor and GW Sample Event	Dec 2020	2 days	Laboratory Vapor Evaluation with GW sampling
Closure Request	March 2021	3 months	Depending on results, could be sooner
Well Abandonment	June 2021		After DNR Conditional Closure

FIGURES



LEGEND

- SOIL BORING (ENVIROFORENSICS)
- MONITORING WELL / SOIL BORING (ENVIROFORENSICS)
- SOIL BORING (ALPHA TERRA ~ FEHR GRAHAM)
- FORMER DRY CLEANING MACHINE
- BASEMENT
- FENCE LINE
- UTILITY VALVE (GAS / WATER)
- LIGHT POLE
- POWER POLE
- FIRE HYDRANT
- GAS METER
- MANHOLE
- CATCH BASIN

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GRAPHIC SCALE IN FEET

FEHR GRAHAM ENGINEERING & ENVIRONMENTAL — ILLINOIS IOWA WISCONSIN

SHOREWOOD QUEENSWAY CLEANERS
4300 N. OAKLAND AVE.
SHOREWOOD, WI 53211

DRWN: MKH DATE: 03/01/17 APPD: KE

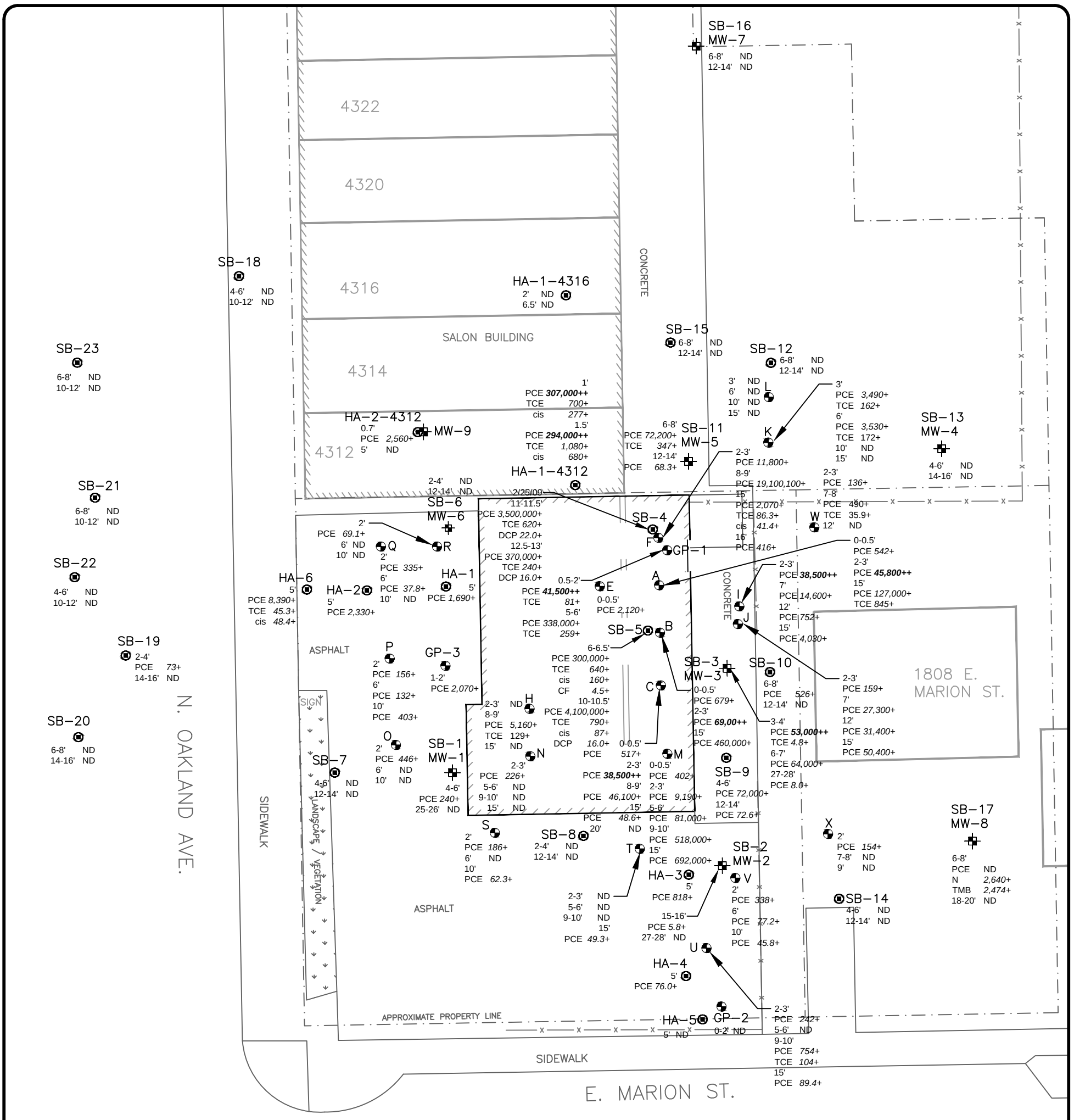
TITLE:

SITE LAYOUT

BRRTS: 02-41-552089
JOB NO.: 17-1124
PLOT DATE: 4/26/18

FIGURE: 1

G:\C3D\17\17-1124\Exhibits\17-1124_BASE MAP.dwg, SITE LAYOUT



LEGEND

- SOIL BORING (ENVIROFORENSICS)
- MONITORING WELL / SOIL BORING (ENVIROFORENSICS)
- SOIL BORING (ALPHA TERRA ~ FEHR GRAHAM)
- —x— FENCE LINE

0–1'	SAMPLE DEPTH
PCE	TETRACHLOROETHENE (ug/kg)
TCE	TRICHLOROETHENE (ug/kg)
cis	cis–1,2–DICHLOROETHENE (ug/kg)
DCP	1,2–DICHLOROPROPANE (ug/kg)
CF	CHLOROFORM (ug/kg)
ND	NO DETECT
ITALICS+	EXCEEDS GROUNDWATER PATHWAY RCL
BOLD++	EXCEEDS NON-INDUSTRIAL DIRECT CONTACT (0-4') RCL
ITALICS/BOLD++	EXCEEDS BOTH GW & DIRECT CONTACT RCL

N W E S

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GRAPHIC SCALE IN FEET

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS IOWA WISCONSIN

SHOREWOOD QUEENSWAY CLEANERS
4300 N. OAKLAND AVE.
SHOREWOOD, WI 53211

DRWN: MKH DATE: 03/01/17 APPD: KE

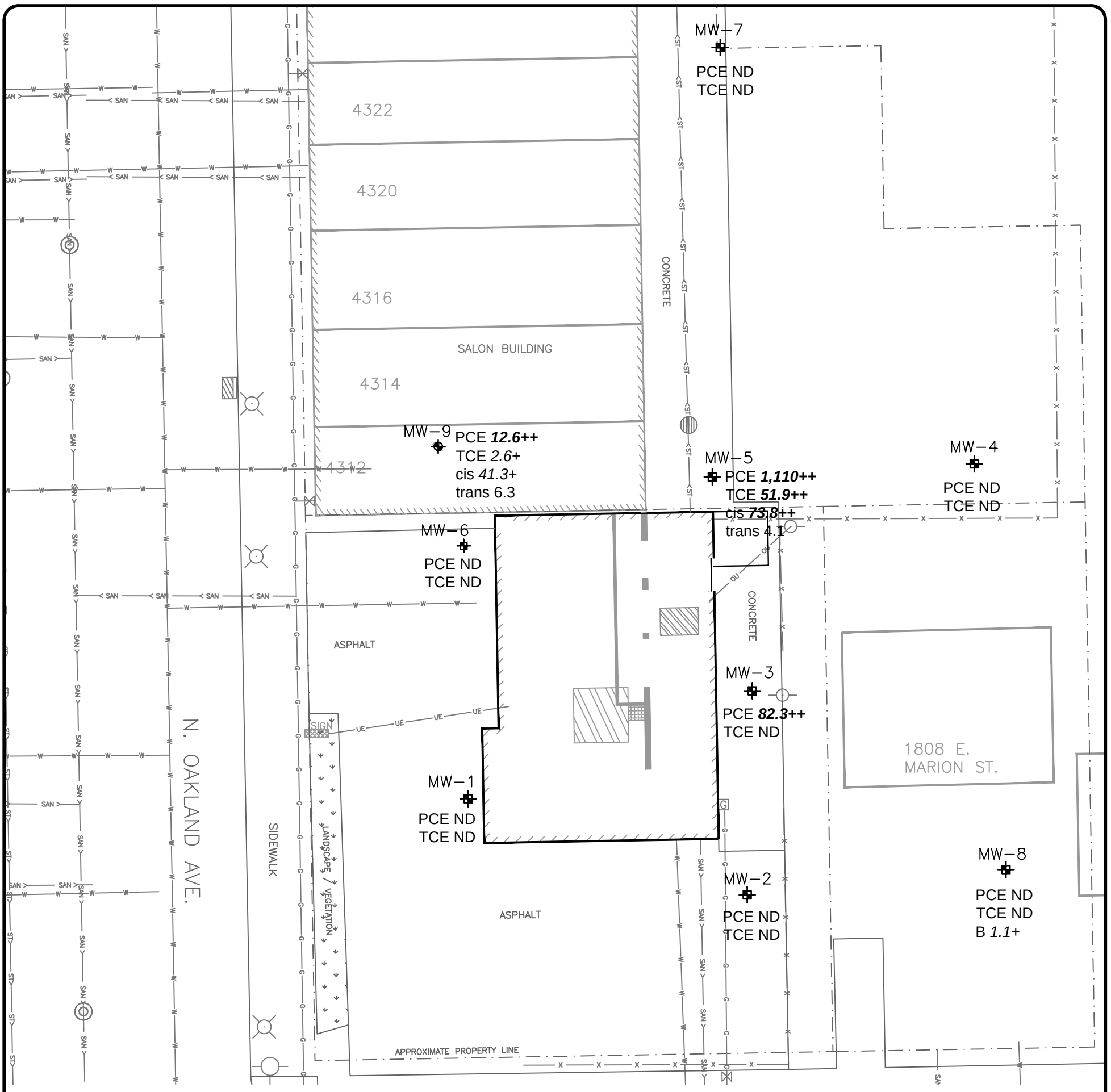
TITLE:

SITE SOIL CHEMISTRY

BRRTS: 02–41–552089
JOB NO.: 17–1124
PLOT DATE: 4/26/18

FIGURE: 2

G:\C3D\17\17–1124\Exhibits\17–1124_BASE MAP.dwg, SITE SOIL CHEM–ALL_NDs



LEGEND

⌖	MONITORING WELL
⌖	SMALL DIAMETER WELL
PCE	TETRACHLOROETHENE (ug/L)
TCE	TRICHLOROETHENE (ug/L)
cis	cis-1,2-DICHLOROETHENE (ug/L)
trans	trans-1,2-DICHLOROETHENE (ug/L)
B	BENZENE (ug/L)
ND	NO DETECT
ITALICS+	EXCEEDS NR140 PREVENTIVE ACTION LIMIT
BOLD++	EXCEEDS NR140 ENFORCEMENT STANDARD

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GRAPHIC SCALE IN FEET

FEHR GRAHAM ENGINEERING & ENVIRONMENTAL — ILLINOIS IOWA WISCONSIN

SHOREWOOD QUEENSWAY CLEANERS
4300 N. OAKLAND AVE.
SHOREWOOD, WI 53211

DRWN: MKH DATE: 03/01/17 APPD: KE

TITLE: GROUNDWATER CHEMISTRY JAN. 23, 2018

BRRTS: 02–41–552089
JOB NO.: 17–1124
PLOT DATE: 1/30/18

FIGURE: 3

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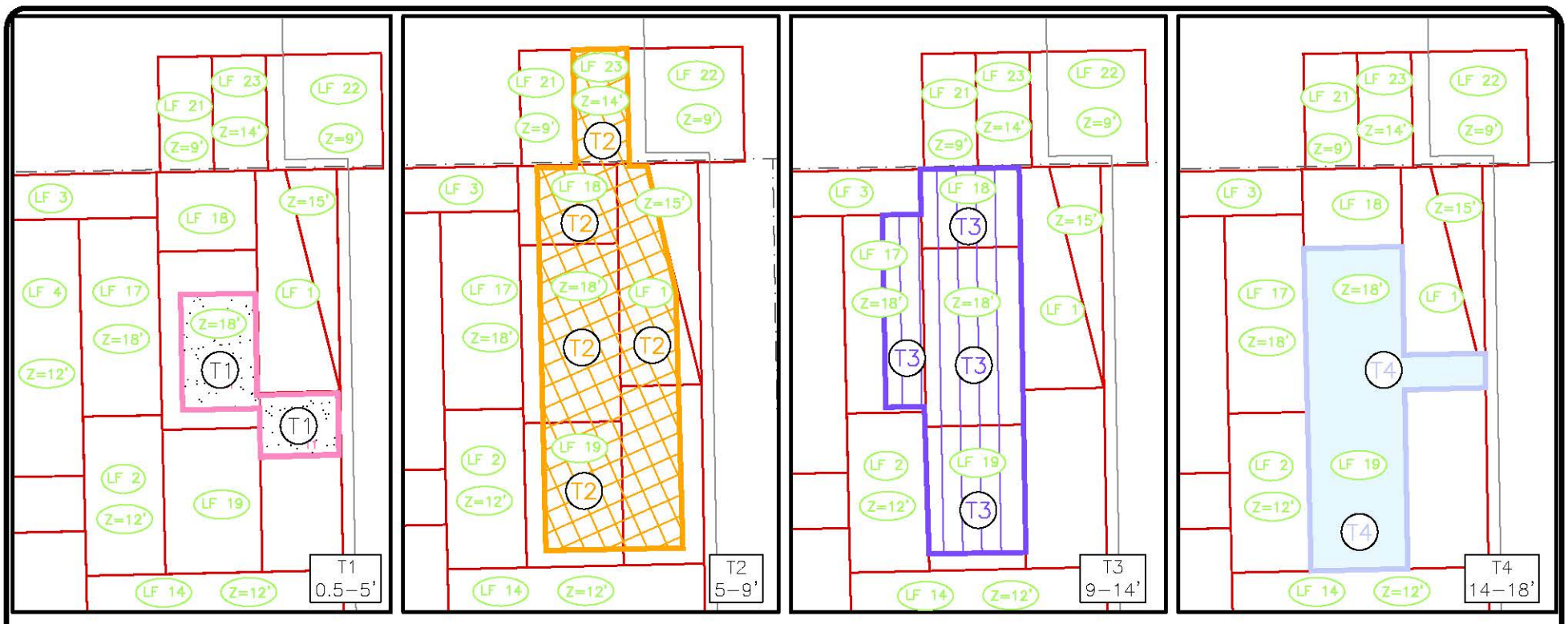

EXCAVATION DEPTH
DETAIL
SCALE 1'=20'

LEGEND

TREATED SOIL

- 0.5–5' (T1)
- 5–9' (T2)
- 9–14' (T3)
- 14–18' (T4)
- LANDFILL SOIL (LF 1)

SOIL BORING (ENVIROFORENSICS)

MONITORING WELL / SOIL BORING (ENVIROFORENSICS)

SOIL BORING (ALPHA TERRA ~ FEHR GRAHAM)

Z=12' EXCAVATION DEPTH

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GRAPHIC SCALE IN FEET

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FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS IOWA WISCONSIN

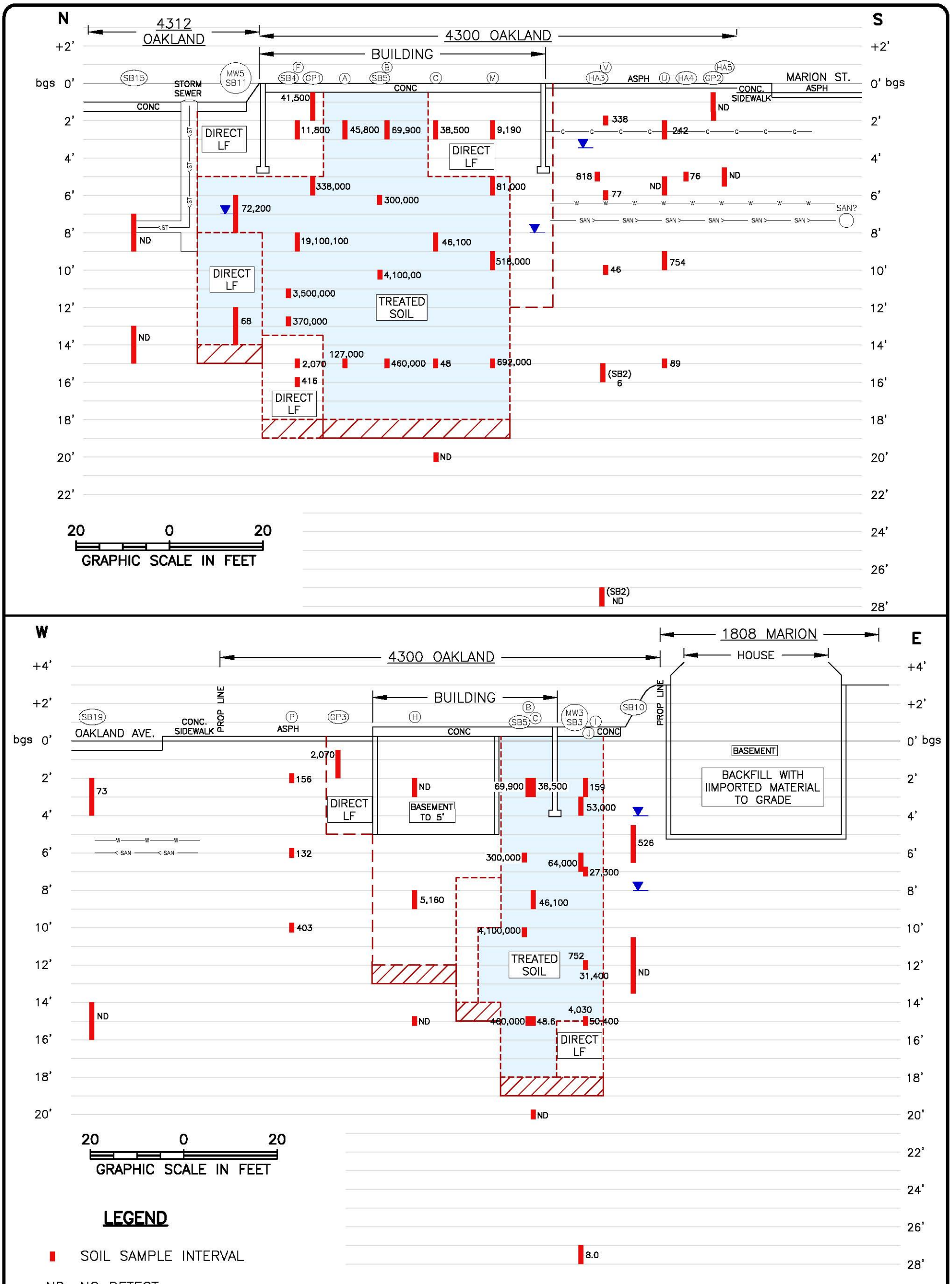
SHOREWOOD QUEENSWAY CLEANERS
4300 N. OAKLAND AVE.
SHOREWOOD, WI 53211

DRWN: MKH DATE: 03/01/17 APPD: KE

TITLE:
PROPOSED REMEDIAL EXCAVATION

BRRTS: 02-41-552089
JOB NO.: 17-1124
PLOT DATE: 7/16/18

FIGURE: 4



LEGEND

- SOIL SAMPLE INTERVAL
- ND NO DETECT
- GROUNDWATER LEVEL BELOW GROUND SURFACE
- 132 PCE CONCENTRATION IN SOIL (ug/kg)
- TREATED SOIL
- SOIL TO TREAT WITH BAM

FEHR GRAHAM ENGINEERING & ENVIRONMENTAL — ILLINOIS IOWA WISCONSIN

SHOREWOOD QUEENSWAY CLEANERS
4300 N. OAKLAND AVE.
SHOREWOOD, WI 53211

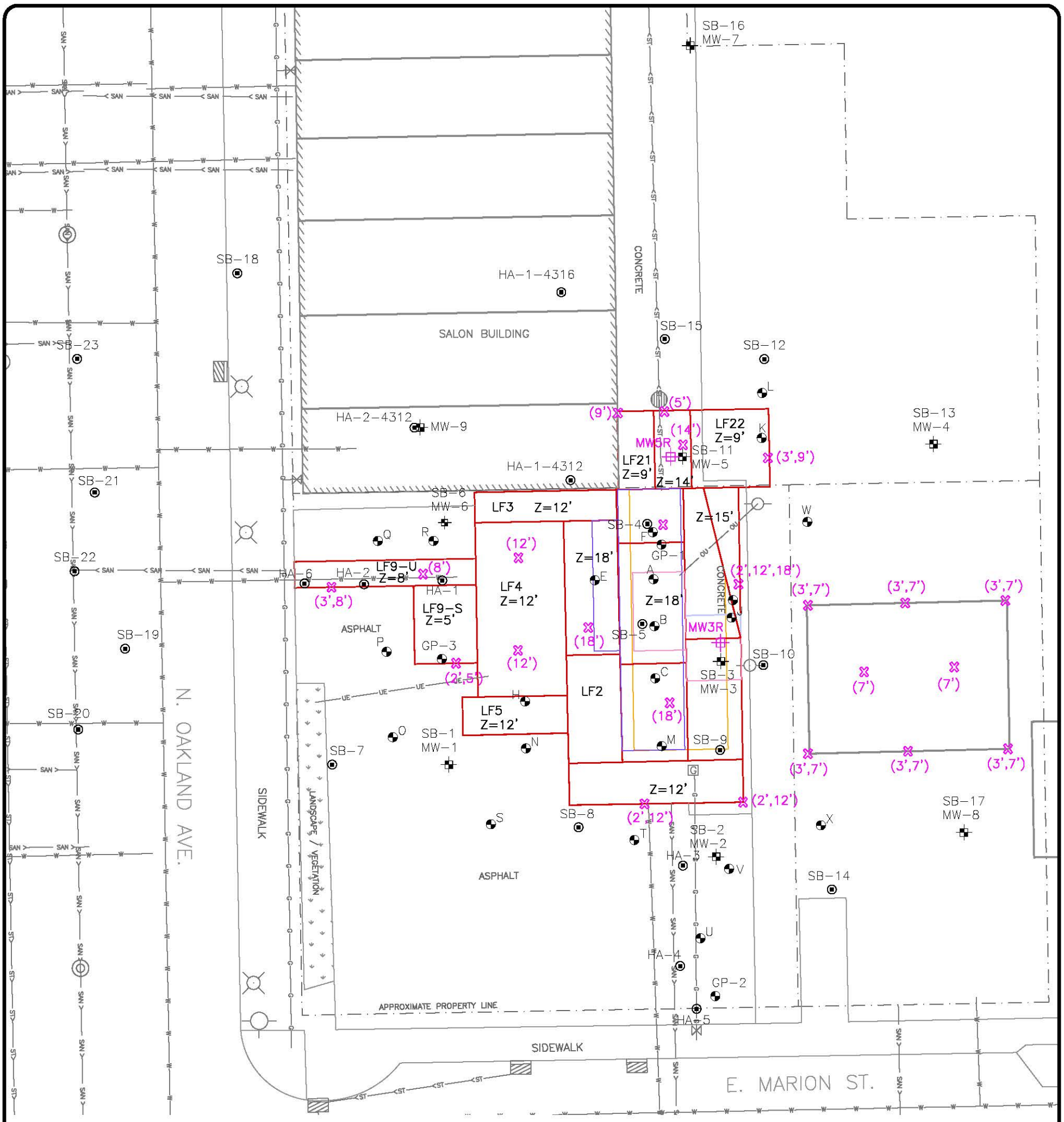
DRWN: MKH DATE: 03/01/17 APPD: KE

TITLE:
PROPOSED EXCAVATION CROSS-SECTIONS & SOIL PCE CONCENTRATION

BRRTS: 02-41-552089
JOB NO.: 17-1124
PLOT DATE: 7/23/18

FIGURE: 5

G:\C3D\17\17-1124\Exhibits\17-1124_BASE MAP.dwg, PROP DIG_X-SECTS



LEGEND

- SOIL BORING (ENVIROFORENSICS)
- MONITORING WELL / SOIL BORING (ENVIROFORENSICS)
- SOIL BORING (ALPHA TERRA ~ FEHR GRAHAM)
- (18') PROPOSED POST-EXCAVATION SOIL SAMPLE & DEPTH
- REPLACEMENT MONITORING WELL

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GRAPHIC SCALE IN FEET

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FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS IOWA WISCONSIN

SHOREWOOD QUEENSWAY CLEANERS
4300 N. OAKLAND AVE.
SHOREWOOD, WI 53211

DRWN: MKH DATE: 03/01/17 APPD: KE

TITLE:
PROPOSED SOIL SAMPLE LOCATIONS, & GROUNDWATER MONITORING NETWORK

BRRTS: 02-41-552089
JOB NO.: 17-1124
PLOT DATE: 7/23/18

FIGURE: 6

TABLES

Table A.1.a
Groundwater Analytical Table - VOC
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SB-5	SB-7	SB-8	SB-9	SB-10	SB-12	SB-14	SB-20W	SB-22W
Date				2/26/09	11/19/09	11/19/09	11/20/09	11/20/09	11/20/09	11/19/09	7/14/15	7/14/15
Groundwater Elevation				--	--	--	--	--	--	--	--	--
Notes												
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	170,000	*0.95 J*	<0.45	*373*	*53.2*	<0.45	<0.45	<0.49	<0.49
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	1,700	<0.48	<0.48	<1.9	<0.48	<0.48	<0.48	<0.47	<0.47
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	4,600	<0.83	<0.83	<3.3	<0.83	<0.83	<0.83	<0.45	<0.45
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	100	<0.89	<0.89	<3.6	<0.89	<0.89	<0.89	<0.54	<0.54
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	2,300	<0.18	<0.18	<0.72	<0.18	<0.18	<0.18	<0.17	<0.17
Methylene Chloride	(ug/L)	*0.5*	**5**	--	<0.43	<0.43	<1.7	<0.43	<0.43	<0.43	<1.3	<1.3
Chloromethane	(ug/L)	3	**30**	<5.0	0.32 J	1.1	<0.96	*3.2*	0.83 J	1.3	<1.9	<1.9
Benzene	(ug/L)	*0.5*	**5**	--	<0.41	<0.41	<1.6	<0.41	<0.41	<0.41	<0.44	<0.44
Ethylbenzene	(ug/L)	*140*	**700**	--	<0.54	<0.54	<2.2	<0.54	<0.54	<0.54	<0.71	<0.71
Toluene	(ug/L)	*160*	**800**	5.5	<0.67	<0.67	<2.7	<0.67	<0.67	<0.67	<0.44	<0.44
m&p-Xylene	(ug/L)	NS	NS	--	<1.8	<1.8	<7.2	<1.8	<1.8	<1.8	<2.2	<2.2
o-Xylene	(ug/L)	NS	NS	--	<0.83	<0.83	<3.3	<0.83	<0.83	<0.83	<0.9	<0.9
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	--	<2.63	<2.63	<10.5	<2.63	<2.63	<2.63	<3.1	<3.1
Naphthalene	(ug/L)	*10*	**100**	--	<0.89	<0.89	<3.6	<0.89	<0.89	<0.89	<1.6	<1.6
MTBE	(ug/L)	*12*	**60**	--	<0.61	<0.61	<2.4	<0.61	<0.61	<0.61	<1.1	<1.1
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	--	<0.97	<0.97	<3.9	<0.97	<0.97	<0.97	<1.6	<1.6
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	--	<0.83	<0.83	<3.3	<0.83	<0.83	<0.83	<1.5	<1.5
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	--	<1.8	<1.8	<7.2	<1.8	<1.8	<1.8	<3.1	<3.1
Bromobenzene	(ug/L)	NS	NS	--	<0.82	<0.82	<3.3	<0.82	<0.82	<0.82	<0.48	<0.48
Bromochloromethane	(ug/L)	NS	NS	--	<0.97	<0.97	<3.9	<0.97	<0.97	<0.97	--	--
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	--	<0.56	<0.56	<2.2	<0.56	<0.56	<0.56	<0.46	<0.46
Bromoform	(ug/L)	*0.44*	**4.4**	--	<0.94	<0.94	<3.8	<0.94	<0.94	<0.94	<0.46	<0.46
Bromomethane	(ug/L)	*1*	**10**	--	<0.91	<0.91	<3.6	<0.91	<0.91	<0.91	--	--
n-Butylbenzene	(ug/L)	NS	NS	--	<0.93	<0.93	<3.7	<0.93	<0.93	<0.93	<1	<1
sec-Butylbenzene	(ug/L)	NS	NS	--	<0.89	<0.89	<3.6	<0.89	<0.89	<0.89	<1.2	<1.2
tert-Butylbenzene	(ug/L)	NS	NS	--	<0.97	<0.97	<3.9	<0.97	<0.97	<0.97	<1.1	<1.1
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	--	<0.49	<0.49	<2.0	<0.49	<0.49	<0.49	<0.51	<0.51
Chlorobenzene	(ug/L)	NS	NS	18.0	<0.41	<0.41	<1.6	<0.41	<0.41	<0.41	<0.46	<0.46
Chloroethane	(ug/L)	*80*	**400**	--	<0.97	<0.97	<3.9	<0.97	<0.97	<0.97	<0.65	<0.65
Chloroform	(ug/L)	*0.6*	**6**	6.4	<1.3	<1.3	<5.2	<1.3	<1.3	<1.3	<0.43	<0.43
2-Chlorotoluene	(ug/L)	NS	NS	--	<0.85	<0.85	<3.4	<0.85	<0.85	<0.85	<0.4	<0.4
4-Chlorotoluene	(ug/L)	NS	NS	--	<0.74	<0.74	<3.0	<0.74	<0.74	<0.74	<0.63	<0.63
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	--	<1.7	<1.7	<6.7	<1.7	<1.7	<1.7	<1.4	<1.4
Dibromochloromethane	(ug/L)	*6*	**60**	--	<0.81	<0.81	<3.2	<0.81	<0.81	<0.81	<0.45	<0.45
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	--	<0.56	<0.56	<2.2	<0.56	<0.56	<0.56	<0.63	<0.63
Dibromomethane	(ug/L)	NS	NS	--	<0.60	<0.60	<2.4	<0.60	<0.60	<0.60	--	--
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	--	<0.83	<0.83	<3.3	<0.83	<0.83	<0.83	<0.46	<0.46
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	--	<0.87	<0.87	<3.5	<0.87	<0.87	<0.87	<0.52	<0.52
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	--	<0.95	<0.95	<3.8	<0.95	<0.95	<0.95	<0.49	<0.49
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	--	<0.99	<0.99	<4.0	<0.99	<0.99	<0.99	<0.87	<0.87
1,1-Dichloroethane	(ug/L)	*85*	**850**	--	<0.75	<0.75	<3.0	<0.75	<0.75	<0.75	<1.1	<1.1
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	--	<0.36	<0.36	<1.4	<0.36	<0.36	<0.36	<0.48	<0.48
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	7.7	<0.57	<0.57	<2.3	<0.57	<0.57	<0.57	<0.65	<0.65
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	--	<0.49	<0.49	<2.0	<0.49	<0.49	<0.49	<0.43	<0.43
1,3-Dichloropropane	(ug/L)	NS	NS	--	<0.61	<0.61	<2.4	<0.61	<0.61	<0.61	<0.42	<0.42
2,2-Dichloropropane	(ug/L)	NS	NS	--	<0.62	<0.62	<2.5	<0.62	<0.62	<0.62	<3.1	<3.1
1,1-Dichloropropene	(ug/L)	NS	NS	11.0	<0.75	<0.75	<3.0	<0.75	<0.75	<0.75	--	--
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.20	<0.20	<0.80	<0.20	<0.20	<0.20	--	--
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.19	<0.19	<0.76	<0.19	<0.19	<0.19	--	--
Diisopropyl ether	(ug/L)	NS	NS	--	<0.76	<0.76	<3.0	<0.76	<0.76	<0.76	<0.44	<0.44
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	--	<0.67	<0.67	<2.7	<0.67	<0.67	<0.67	<2.2	<2.2
Isopropylbenzene	(ug/L)	NS	NS	--	<0.59	<0.59	<2.4	<0.59	<0.59	<0.59	<0.82	<0.82
p-Isopropyltoluene	(ug/L)	NS	NS	--	<0.67	<0.67	<2.7	<0.67	<0.67	<0.67	<1.1	<1.1
n-Propylbenzene	(ug/L)	NS	NS	--	<0.81	<0.81	<3.2	<0.81	<0.81	<0.81	<0.77	<0.77
Styrene	(ug/L)	*10*	**100**	--	<0.86	<0.86	<3.4	<0.86	<0.86	<0.86	--	--
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	--	<0.92	<0.92	<3.7	<0.92	<0.92	<0.92	<0.48	<0.48
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	--	<0.20	<0.20	<0.80	<0.20	<0.20	<0.20	<0.52	<0.52
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	--	<0.74	<0.74	<3.0	<0.74	<0.74	<0.74	<2.7	<2.7
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	--	<0.97	<0.97	<3.9	<0.97	<0.97	<0.97	<1.7	<1.7
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	--	<0.90	<0.90	<3.6	<0.90	<0.90	<0.90	<0.84	<0.84
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	--	<0.42	<0.42	<1.7	<0.42	<0.42	<0.42	<0.48	<0.48
Trichlorofluoromethane	(ug/L)	NS	NS	--	<0.79	<0.79	<3.2	<0.79	<0.79	<0.79	<0.87	<0.87
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	--	<0.99	<0.99	<4.0	<0.99	<0.99	<0.99	--	--

Notes:
ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard
NS = No standard established
-- = Parameter not analyzed or reported
ND = Below laboratory detection limit
DUP = Duplicate Sample

Table A.1.a
Groundwater Analytical Table - VOC
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-1						
Date				2/27/09	11/20/09	10/18/10	5/5/11	1/27/12	4/4/14	1/23/18
Groundwater Elevation				675.63	687.57	686.84	687.68	688.02	687.58	685.69
Notes										
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	<5.0	<0.45	<0.45	*0.61 J*	<0.50	<0.33	<0.50
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<5.0	<0.48	<0.48	<0.48	<0.20	<0.33	<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<5.0	<0.83	<0.83	<0.83	<0.50	<0.38	<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<5.0	<0.89	<0.89	<0.89	<0.50	<0.35	<0.26
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<2.0	<0.18	<0.18	<0.18	<0.20	<0.18	<0.18
Methylene Chloride	(ug/L)	*0.5*	**5**	--	<0.43	<0.43	<0.43	<1.0	<0.5	<0.23
Chloromethane	(ug/L)	*3*	**30**	<10	< 0.24	< 0.24	< 0.24	<0.30	<0.81	<0.50
Benzene	(ug/L)	*0.5*	**5**	<5.0	< 0.41	< 0.41	< 0.41	<0.20	0.46 J	<0.50
Ethylbenzene	(ug/L)	*140*	**700**	<5.0	<0.54	<0.54	<0.54	<0.50	<0.55	<0.50
Toluene	(ug/L)	*160*	**800**	<5.0	<0.67	<0.67	<0.67	<0.50	1.87 J	<0.50
m&p-Xylene	(ug/L)	NS	NS	--	<1.8	<1.8	<1.8	--	<0.69	<1.0
o-Xylene	(ug/L)	NS	NS	--	<0.83	<0.83	<0.83	--	<0.63	<0.50
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	--	<2.63	<2.63	<2.63	<0.50	<1.32	<1.5
Naphthalene	(ug/L)	*10*	**100**	--	<0.89	<0.89	<0.89	<0.25	<1.7	<2.5
MTBE	(ug/L)	*12*	**60**	--	<0.61	<0.61	<0.61	<0.50	<0.23	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	--	<0.97	<0.97	<0.97	<0.20	<2.2	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	--	<0.83	<0.83	<0.83	<0.20	<1.4	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	--	<1.8	<1.8	<1.8	<0.40	<3.6	<1.0
Bromobenzene	(ug/L)	NS	NS	--	<0.82	<0.82	<0.82	<0.20	<0.32	<0.23
Bromochloromethane	(ug/L)	NS	NS	--	<0.97	<0.97	<0.97	<0.50	--	<0.34
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	--	<0.56	<0.56	<0.56	<0.20	<0.37	<0.50
Bromoform	(ug/L)	*0.44*	**4.4**	--	<0.94	<0.94	<0.94	<0.20	<0.35	<0.50
Bromomethane	(ug/L)	*1*	**10**	--	<0.91	<0.91	<0.91	<0.50	--	<2.4
n-Butylbenzene	(ug/L)	NS	NS	ND	<0.93	<0.93	<0.93	<0.20	<0.35	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	--	<0.89	<0.89	<0.89	<0.25	<0.33	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	--	<0.97	<0.97	<0.97	<0.20	<0.36	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	--	<0.49	<0.49	<0.49	<0.80	<0.33	<0.50
Chlorobenzene	(ug/L)	NS	NS	<5.0	<0.41	<0.41	<0.41	<0.20	<0.24	<0.50
Chloroethane	(ug/L)	*80*	**400**	--	<0.97	<0.97	<0.97	<1.0	<0.63	<0.37
Chloroform	(ug/L)	*0.6*	**6**	--	<1.3	<1.3	<1.3	<0.20	<0.28	<2.5
2-Chlorotoluene	(ug/L)	NS	NS	--	<0.85	<0.85	<0.85	<0.50	<0.21	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	--	<0.74	<0.74	<0.74	<0.20	<0.21	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	--	<1.7	<1.7	<1.7	<0.50	<0.88	<2.2
Dibromochloromethane	(ug/L)	*6*	**60**	--	<0.81	<0.81	<0.81	--	<0.22	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	--	<0.56	<0.56	<0.56	<0.20	<0.44	<0.18
Dibromomethane	(ug/L)	NS	NS	--	<0.60	<0.60	<0.60	<0.20	--	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	--	<0.83	<0.83	<0.83	<0.20	<0.36	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	--	<0.87	<0.87	<0.87	<0.20	<0.28	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	--	<0.95	<0.95	<0.95	<0.50	<0.3	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	--	<0.99	<0.99	<0.99	<0.50	<0.44	<0.22
1,1-Dichloroethane	(ug/L)	*85*	**850**	--	<0.75	<0.75	<0.75	<0.50	<0.3	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	--	<0.36	<0.36	<0.36	<0.50	<0.41	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	--	<0.57	<0.57	<0.57	<0.50	<0.4	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	--	<0.49	<0.49	<0.49	<0.50	<0.32	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	--	<0.61	<0.61	<0.61	<0.25	<0.33	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	--	<0.62	<0.62	<0.62	<0.50	<0.36	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	--	<0.75	<0.75	<0.75	<0.50	--	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.20	<0.20	<0.20	<0.20	--	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.19	<0.19	<0.19	<0.20	--	<0.23
Diisopropyl ether	(ug/L)	NS	NS	--	<0.76	<0.76	<0.76	<0.50	<0.23	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	--	<0.67	<0.67	<0.67	<0.50	<1.5	<2.1
Isopropylbenzene	(ug/L)	NS	NS	ND	<0.59	<0.59	<0.59	<0.20	<0.3	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	ND	<0.67	<0.67	<0.67	<0.20	<0.31	<0.50
n-Propylbenzene	(ug/L)	NS	NS	ND	<0.81	<0.81	<0.81	<0.50	<0.25	<0.50
Styrene	(ug/L)	*10*	**100**	--	<0.86	<0.86	<0.86	<0.50	--	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	--	<0.92	<0.92	<0.92	<0.25	<0.33	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	--	<0.20	<0.20	<0.20	<0.20	<0.45	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	--	<0.74	<0.74	<0.74	<0.25	<1.8	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	--	<0.97	<0.97	<0.97	<0.25	<0.98	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	--	<0.90	<0.90	<0.90	<0.50	<0.33	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	--	<0.42	<0.42	<0.42	<0.25	<0.34	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	--	<0.79	<0.79	<0.79	<0.50	<0.71	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	--	<0.99	<0.99	<0.99	<0.50	--	<0.50

Notes:
ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard
NS = No standard established
-- = Parameter not analyzed or reported
ND = Below laboratory detection limit
DUP = Duplicate Sample

Table A.1.a
Groundwater Analytical Table - VOC
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-2						
Date				2/27/09	11/19/09	10/18/10	5/5/11	1/27/12	4/4/14	1/23/18
Groundwater Elevation				669.91	676.79	684.85	688.05	685.19	686.00	683.65
Notes										
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	<5.0	<0.45	<0.45	<0.45	<0.50	<0.33	<0.50
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<5.0	<0.48	<0.48	<0.48	<0.20	<0.33	<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<5.0	<0.83	<0.83	<0.83	<0.50	<0.38	<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<5.0	<0.89	<0.89	<0.89	<0.50	<0.35	<0.26
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<2.0	<0.18	<0.18	<0.18	<0.20	<0.18	<0.18
Methylene Chloride	(ug/L)	*0.5*	**5**	--	<0.43	<0.43	<0.43	<1.0	<0.5	<0.23
Chloromethane	(ug/L)	*3*	**30**	<10	< 0.24	< 0.24	< 0.24	<0.30	<0.81	<0.50
Benzene	(ug/L)	*0.5*	**5**	<5.0	< 0.41	< 0.41	< 0.41	<0.20	<0.24	<0.50
Ethylbenzene	(ug/L)	*140*	**700**	<5.0	<0.54	<0.54	<0.54	<0.50	<0.55	<0.50
Toluene	(ug/L)	*160*	**800**	<5.0	<0.67	<0.67	<0.67	<0.50	<0.69	<0.50
m&p-Xylene	(ug/L)	NS	NS	--	<1.8	<1.8	<1.8	--	<0.69	<1.0
o-Xylene	(ug/L)	NS	NS	--	<0.83	<0.83	<0.83	--	<0.63	<0.50
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	--	<2.63	<2.63	<2.63	<0.50	<1.32	<1.5
Naphthalene	(ug/L)	*10*	**100**	--	<0.89	<0.89	<0.89	<0.25	<1.7	<2.5
MTBE	(ug/L)	*12*	**60**	--	<0.61	<0.61	<0.61	<0.50	<0.23	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	--	<0.97	<0.97	<0.97	<0.20	<2.2	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	--	<0.83	<0.83	<0.83	<0.20	<1.4	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	--	<1.8	<1.8	<1.8	<0.40	<3.6	<1.0
Bromobenzene	(ug/L)	NS	NS	--	<0.82	<0.82	<0.82	<0.20	<0.32	<0.23
Bromochloromethane	(ug/L)	NS	NS	--	<0.97	<0.97	<0.97	<0.50	--	<0.34
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	--	<0.56	<0.56	<0.56	<0.20	<0.37	<0.50
Bromoform	(ug/L)	*0.44*	**4.4**	--	<0.94	<0.94	<0.94	<0.20	<0.35	<0.50
Bromomethane	(ug/L)	*1*	**10**	--	<0.91	<0.91	<0.91	<0.50	--	<2.4
n-Butylbenzene	(ug/L)	NS	NS	ND	<0.93	<0.93	<0.93	<0.20	<0.35	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	--	<0.89	<0.89	<0.89	<0.25	<0.33	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	--	<0.97	<0.97	<0.97	<0.20	<0.36	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	--	<0.49	<0.49	<0.49	<0.80	<0.33	<0.50
Chlorobenzene	(ug/L)	NS	NS	<5.0	<0.41	<0.41	<0.41	<0.20	<0.24	<0.50
Chloroethane	(ug/L)	*80*	**400**	--	<0.97	<0.97	<0.97	<1.0	<0.63	<0.37
Chloroform	(ug/L)	*0.6*	**6**	--	<1.3	<1.3	<1.3	<0.20	<0.28	<2.5
2-Chlorotoluene	(ug/L)	NS	NS	--	<0.85	<0.85	<0.85	<0.50	<0.21	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	--	<0.74	<0.74	<0.74	<0.20	<0.21	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	--	<1.7	<1.7	<1.7	<0.50	<0.88	<2.2
Dibromochloromethane	(ug/L)	*6*	**60**	--	<0.81	<0.81	<0.81	--	<0.22	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	--	<0.56	<0.56	<0.56	<0.20	<0.44	<0.18
Dibromomethane	(ug/L)	NS	NS	--	<0.60	<0.60	<0.60	<0.20	--	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	--	<0.83	<0.83	<0.83	<0.20	<0.36	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	--	<0.87	<0.87	<0.87	<0.20	<0.28	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	--	<0.95	<0.95	<0.95	<0.50	<0.3	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	--	<0.99	<0.99	<0.99	<0.50	<0.44	<0.22
1,1-Dichloroethane	(ug/L)	*85*	**850**	--	<0.75	<0.75	<0.75	<0.50	<0.3	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	--	<0.36	<0.36	<0.36	<0.50	<0.41	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	--	<0.57	<0.57	<0.57	<0.50	<0.4	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	--	<0.49	<0.49	<0.49	<0.50	<0.32	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	--	<0.61	<0.61	<0.61	<0.25	<0.33	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	--	<0.62	<0.62	<0.62	<0.50	<0.36	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	--	<0.75	<0.75	<0.75	<0.50	--	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.20	<0.20	<0.20	<0.20	--	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.19	<0.19	<0.19	<0.20	--	<0.23
Diisopropyl ether	(ug/L)	NS	NS	--	<0.76	<0.76	<0.76	<0.50	<0.23	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	--	<0.67	<0.67	<0.67	<0.50	<1.5	<2.1
Isopropylbenzene	(ug/L)	NS	NS	ND	<0.59	<0.59	<0.59	<0.20	<0.3	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	ND	<0.67	<0.67	<0.67	<0.20	<0.31	<0.50
n-Propylbenzene	(ug/L)	NS	NS	ND	<0.81	<0.81	<0.81	<0.50	<0.25	<0.50
Styrene	(ug/L)	*10*	**100**	--	<0.86	<0.86	<0.86	<0.50	--	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	--	<0.92	<0.92	<0.92	<0.25	<0.33	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	--	<0.20	<0.20	<0.20	<0.20	<0.45	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	--	<0.74	<0.74	<0.74	<0.25	<1.8	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	--	<0.97	<0.97	<0.97	<0.25	<0.98	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	--	<0.90	<0.90	<0.90	<0.50	<0.33	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	--	<0.42	<0.42	<0.42	<0.25	<0.34	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	--	<0.79	<0.79	<0.79	<0.50	<0.71	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	--	<0.99	<0.99	<0.99	<0.50	--	<0.50

Notes:

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard
NS = No standard established
-- = Parameter not analyzed or reported
ND = Below laboratory detection limit
DUP = Duplicate Sample

Table A.1.a
Groundwater Analytical Table - VOC
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-3							
Date				2/27/09	11/20/09		10/18/10	5/5/11	1/27/12	4/4/14	1/23/18
Groundwater Elevation				669.49	684.28	--	681.38	687.46	688.01	687.16	683.45
Notes						DUP					
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	*1,200*	*90.0*	*95.0*	*23.7*	*16.0*	*8.9*	*50*	*82.3*
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<5.0	<0.48	<0.48	<0.48	<0.48	<0.20	<0.33	<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<5.0	<0.83	<0.83	<0.83	<0.83	<0.50	<0.38	<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<5.0	<0.89	<0.89	<0.89	<0.89	<0.50	<0.35	<0.26
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<2.0	<0.18	<0.18	<0.18	<0.18	<0.20	<0.18	<0.18
Methylene Chloride	(ug/L)	*0.5*	**5**	--	<0.43	<0.43	<0.43	<0.43	<1.0	<0.5	<0.23
Chloromethane	(ug/L)	*3*	**30**	<10	< 0.24	< 0.24	< 0.24	< 0.24	<0.30	<0.81	<0.50
Benzene	(ug/L)	*0.5*	**5**	<5.0	< 0.41	< 0.41	< 0.41	< 0.41	<0.20	<0.24	<0.50
Ethylbenzene	(ug/L)	*140*	**700**	<5.0	<0.54	<0.54	<0.54	<0.54	<0.50	<0.55	<0.50
Toluene	(ug/L)	*160*	**800**	<5.0	<0.67	<0.67	<0.67	<0.67	<0.50	<0.69	<0.50
m&p-Xylene	(ug/L)	NS	NS	--	<1.8	<1.8	<1.8	<1.8	--	<0.69	<1.0
o-Xylene	(ug/L)	NS	NS	--	<0.83	<0.83	<0.83	<0.83	--	<0.63	<0.50
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	--	<2.63	<2.63	<2.63	<2.63	<0.50	<1.32	<1.5
Naphthalene	(ug/L)	*10*	**100**	--	<0.89	<0.89	<0.89	<0.89	<0.25	<1.7	<2.5
MTBE	(ug/L)	*12*	**60**	--	<0.61	<0.61	<0.61	<0.61	<0.50	<0.23	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	--	<0.97	<0.97	<0.97	<0.97	<0.20	<2.2	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	--	<0.83	<0.83	<0.83	<0.83	<0.20	<1.4	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	--	<1.8	<1.8	<1.8	<1.8	<0.40	<3.6	<1.0
Bromobenzene	(ug/L)	NS	NS	--	<0.82	<0.82	<0.82	<0.82	<0.20	<0.32	<0.23
Bromochloromethane	(ug/L)	NS	NS	--	<0.97	<0.97	<0.97	<0.97	<0.50	--	<0.34
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	--	<0.56	<0.56	<0.56	<0.56	<0.20	<0.37	<0.50
Bromoform	(ug/L)	*0.44*	**4.4**	--	<0.94	<0.94	<0.94	<0.94	<0.20	<0.35	<0.50
Bromomethane	(ug/L)	*1*	**10**	--	<0.91	<0.91	<0.91	<0.91	<0.50	--	<2.4
n-Butylbenzene	(ug/L)	NS	NS	ND	<0.93	<0.93	<0.93	<0.93	<0.20	<0.35	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	--	<0.89	<0.89	<0.89	<0.89	<0.25	<0.33	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	--	<0.97	<0.97	<0.97	<0.97	<0.20	<0.36	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	--	<0.49	<0.49	<0.49	<0.49	<0.80	<0.33	<0.50
Chlorobenzene	(ug/L)	NS	NS	<5.0	<0.41	<0.41	<0.41	<0.41	<0.20	<0.24	<0.50
Chloroethane	(ug/L)	*80*	**400**	--	<0.97	<0.97	<0.97	<0.97	<1.0	<0.63	<0.37
Chloroform	(ug/L)	*0.6*	**6**	--	<1.3	<1.3	<1.3	<1.3	<0.20	<0.28	<2.5
2-Chlorotoluene	(ug/L)	NS	NS	--	<0.85	<0.85	<0.85	<0.85	<0.50	<0.21	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	--	<0.74	<0.74	<0.74	<0.74	<0.20	<0.21	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	--	<1.7	<1.7	<1.7	<1.7	<0.50	<0.88	<2.2
Dibromochloromethane	(ug/L)	*6*	**60**	--	<0.81	<0.81	<0.81	<0.81	--	<0.22	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	--	<0.56	<0.56	<0.56	<0.56	<0.20	<0.44	<0.18
Dibromomethane	(ug/L)	NS	NS	--	<0.60	<0.60	<0.60	<0.60	<0.20	--	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	--	<0.83	<0.83	<0.83	<0.83	<0.20	<0.36	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	--	<0.87	<0.87	<0.87	<0.87	<0.20	<0.28	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	--	<0.95	<0.95	<0.95	<0.95	<0.50	<0.3	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	--	<0.99	<0.99	<0.99	<0.99	<0.50	<0.44	<0.22
1,1-Dichloroethane	(ug/L)	*85*	**850**	--	<0.75	<0.75	<0.75	<0.75	<0.50	<0.3	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	--	<0.36	<0.36	<0.36	<0.36	<0.50	<0.41	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	--	<0.57	<0.57	<0.57	<0.57	<0.50	<0.4	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	--	<0.49	<0.49	<0.49	<0.49	<0.50	<0.32	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	--	<0.61	<0.61	<0.61	<0.61	<0.25	<0.33	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	--	<0.62	<0.62	<0.62	<0.62	<0.50	<0.36	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	--	<0.75	<0.75	<0.75	<0.75	<0.50	--	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.20	<0.20	<0.20	<0.20	<0.20	--	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.19	<0.19	<0.19	<0.19	<0.20	--	<0.23
Diisopropyl ether	(ug/L)	NS	NS	--	<0.76	<0.76	<0.76	<0.76	<0.50	<0.23	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	--	<0.67	<0.67	<0.67	<0.67	<0.50	<1.5	<2.1
Isopropylbenzene	(ug/L)	NS	NS	ND	<0.59	<0.59	<0.59	<0.59	<0.20	<0.3	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	ND	<0.67	<0.67	<0.67	<0.67	<0.20	<0.31	<0.50
n-Propylbenzene	(ug/L)	NS	NS	ND	<0.81	<0.81	<0.81	<0.81	<0.50	<0.25	<0.50
Styrene	(ug/L)	*10*	**100**	--	<0.86	<0.86	<0.86	<0.86	<0.50	--	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	--	<0.92	<0.92	<0.92	<0.92	<0.25	<0.33	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	--	<0.20	<0.20	<0.20	<0.20	<0.20	<0.45	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	--	<0.74	<0.74	<0.74	<0.74	<0.25	<1.8	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	--	<0.97	<0.97	<0.97	<0.97	<0.25	<0.98	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	--	<0.90	<0.90	<0.90	<0.90	<0.50	<0.33	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	--	<0.42	<0.42	<0.42	<0.42	<0.25	<0.34	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	--	<0.79	<0.79	<0.79	<0.79	<0.50	<0.71	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	--	<0.99	<0.99	<0.99	<0.99	<0.50	--	<0.50

Notes:

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard
NS = No standard established
-- = Parameter not analyzed or reported
ND = Below laboratory detection limit
DUP = Duplicate Sample

Table A.1.a
Groundwater Analytical Table - VOC
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-4					
Date				2/26/10	10/18/10	5/5/11	1/27/12	4/4/14	1/23/18
Groundwater Elevation				679.89	687.33	690.35	688.21	686.05	683.39
Notes									
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	<0.45	<0.45	<0.45	<0.50	<0.33	<0.50
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<0.48	<0.48	<0.48	<0.20	<0.33	<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<0.83	<0.83	<0.83	<0.50	<0.38	<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<0.89	<0.89	<0.89	<0.50	<0.35	<0.26
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.18	<0.18	<0.18	<0.20	<0.18	<0.18
Methylene Chloride	(ug/L)	*0.5*	**5**	--	<0.43	<0.43	<1.0	<0.5	0.30 J
Chloromethane	(ug/L)	*3*	**30**	<0.24	< 0.24	< 0.24	<0.30	<0.81	<0.50
Benzene	(ug/L)	*0.5*	**5**	<0.41	< 0.41	< 0.41	<0.20	<0.24	<0.50
Ethylbenzene	(ug/L)	*140*	**700**	ND	<0.54	<0.54	<0.50	<0.55	<0.50
Toluene	(ug/L)	*160*	**800**	<0.67	<0.67	<0.67	<0.50	<0.69	<0.50
m&p-Xylene	(ug/L)	NS	NS	--	<1.8	<1.8	--	<0.69	<1.0
o-Xylene	(ug/L)	NS	NS	--	<0.83	<0.83	--	<0.63	<0.50
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	--	<2.63	<2.63	<0.50	<1.32	<1.5
Naphthalene	(ug/L)	*10*	**100**	ND	<0.89	<0.89	<0.25	<1.7	<2.5
MTBE	(ug/L)	*12*	**60**	--	<0.61	<0.61	<0.50	<0.23	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	ND	<0.97	<0.97	<0.20	<2.2	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	ND	<0.83	<0.83	<0.20	<1.4	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	--	<1.8	<1.8	<0.40	<3.6	<1.0
Bromobenzene	(ug/L)	NS	NS	--	<0.82	<0.82	<0.20	<0.32	<0.23
Bromochloromethane	(ug/L)	NS	NS	--	<0.97	<0.97	<0.50	--	<0.34
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	--	<0.56	<0.56	<0.20	<0.37	<0.50
Bromoform	(ug/L)	*0.44*	**4.4**	--	<0.94	<0.94	<0.20	<0.35	<0.50
Bromomethane	(ug/L)	*1*	**10**	--	<0.91	<0.91	<0.50	--	<2.4
n-Butylbenzene	(ug/L)	NS	NS	ND	<0.93	<0.93	<0.20	<0.35	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	--	<0.89	<0.89	<0.25	<0.33	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	--	<0.97	<0.97	<0.20	<0.36	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	--	<0.49	<0.49	<0.80	<0.33	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.41	<0.41	<0.41	<0.20	<0.24	<0.50
Chloroethane	(ug/L)	*80*	**400**	--	<0.97	<0.97	<1.0	<0.63	<0.37
Chloroform	(ug/L)	*0.6*	**6**	--	<1.3	<1.3	<0.20	<0.28	<2.5
2-Chlorotoluene	(ug/L)	NS	NS	--	<0.85	<0.85	<0.50	<0.21	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	--	<0.74	<0.74	<0.20	<0.21	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	--	<1.7	<1.7	<0.50	<0.88	<2.2
Dibromochloromethane	(ug/L)	*6*	**60**	--	<0.81	<0.81	--	<0.22	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	--	<0.56	<0.56	<0.20	<0.44	<0.18
Dibromomethane	(ug/L)	NS	NS	--	<0.60	<0.60	<0.20	--	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	--	<0.83	<0.83	<0.20	<0.36	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	--	<0.87	<0.87	<0.20	<0.28	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	--	<0.95	<0.95	<0.50	<0.3	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	--	<0.99	<0.99	<0.50	<0.44	<0.22
1,1-Dichloroethane	(ug/L)	*85*	**850**	--	<0.75	<0.75	<0.50	<0.3	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	--	<0.36	<0.36	<0.50	<0.41	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	--	<0.57	<0.57	<0.50	<0.4	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	--	<0.49	<0.49	<0.50	<0.32	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	--	<0.61	<0.61	<0.25	<0.33	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	--	<0.62	<0.62	<0.50	<0.36	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	--	<0.75	<0.75	<0.50	--	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.20	<0.20	<0.20	--	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.19	<0.19	<0.20	--	<0.23
Diisopropyl ether	(ug/L)	NS	NS	--	<0.76	<0.76	<0.50	<0.23	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	--	<0.67	<0.67	<0.50	<1.5	<2.1
Isopropylbenzene	(ug/L)	NS	NS	ND	<0.59	<0.59	<0.20	<0.3	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	ND	<0.67	<0.67	<0.20	<0.31	<0.50
n-Propylbenzene	(ug/L)	NS	NS	ND	<0.81	<0.81	<0.50	<0.25	<0.50
Styrene	(ug/L)	*10*	**100**	--	<0.86	<0.86	<0.50	--	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	--	<0.92	<0.92	<0.25	<0.33	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	--	<0.20	<0.20	<0.20	<0.45	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	--	<0.74	<0.74	<0.25	<1.8	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	--	<0.97	<0.97	<0.25	<0.98	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	--	<0.90	<0.90	<0.50	<0.33	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	--	<0.42	<0.42	<0.25	<0.34	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	--	<0.79	<0.79	<0.50	<0.71	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	--	<0.99	<0.99	<0.50	--	<0.50

Notes:

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard
NS = No standard established
-- = Parameter not analyzed or reported
ND = Below laboratory detection limit
DUP = Duplicate Sample

Table A.1.a
Groundwater Analytical Table - VOC
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-5									
Date				2/26/10	10/18/10		5/6/11		1/27/12		4/4/14		1/23/18
Groundwater Elevation				679.33	683.52	--	683.62	--	682.80	--	683.95	--	682.22
Notes						DUP		DUP		DUP		DUP	
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	*239*	*978*	*932*	*747*	*689*	*690*	*660*	*750*	*710*	*1,110*
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	*10.7*	*45.1*	*48.6*	*31.0*	*30.9*	*36*	*30*	*44*	*39*	*51.9*
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	*17.9*	*63.7*	*61.0*	*44.2*	*40.9*	*63*	*45*	*63*	*63*	*73.8*
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	1.10	<8.9	<8.9	2.4 J	<8.9	1.9 J	<5.0	<3.5	<3.5	4.1 J
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.18	<1.8	<1.8	<0.45	<1.8	<0.20	<2.0	<1.8	<1.8	<1.8
Methylene Chloride	(ug/L)	*0.5*	**5**	--	<4.3	<4.3	<1.1	<4.3	<1.0	<10	<5	<5	<2.3
Chloromethane	(ug/L)	3	**30**	0.34 J	<2.4	<2.4	<0.60	<2.4	<0.30	<3.0	<8.1	<8.1	<5.0
Benzene	(ug/L)	*0.5*	**5**	<0.41	<4.1	<4.1	<1.0	<4.1	<0.20	<2.0	<2.4	<2.4	<5.0
Ethylbenzene	(ug/L)	*140*	**700**	ND	<5.4	<5.4	<1.4	<5.4	<0.50	<5.0	<5.5	<5.5	<5.0
Toluene	(ug/L)	*160*	**800**	<0.67	<6.7	<6.7	<1.7	<6.7	0.61 J	<5.0	<6.9	<6.9	<5.0
m&p-Xylene	(ug/L)	NS	NS	--	<18.0	<18.0	<4.5	<18.0	--	--	<6.9	<6.9	<10.0
o-Xylene	(ug/L)	NS	NS	--	<8.3	<8.3	<2.1	<8.3	--	--	<6.3	<6.3	<5.0
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	--	<26.3	<26.3	<6.6	<26.3	<0.50	<5.0	<13.2	<13.2	<15.0
Naphthalene	(ug/L)	*10*	**100**	ND	<8.9	<8.9	<2.2	<8.9	<0.25	<2.5	<17	<17	<25.0
MTBE	(ug/L)	*12*	**60**	--	<6.1	<6.1	<1.5	<6.1	<0.50	<5.0	<2.3	<2.3	<1.7
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	ND	<9.7	<9.7	<2.4	<9.7	<0.20	<2.0	<22	<22	<5.0
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	ND	<8.3	<8.3	<2.1	<8.3	<0.20	<2.0	<14	<14	<5.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	--	<18	<18	<4.5	<18	<0.40	<4.0	<36	<36	<10.0
Bromobenzene	(ug/L)	NS	NS	--	<8.2	<8.2	<2.0	<8.2	<0.20	<2.0	<3.2	<3.2	<2.3
Bromochloromethane	(ug/L)	NS	NS	--	<9.7	<9.7	<2.4	<9.7	<0.50	<5.0	--	--	<3.4
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	--	<5.6	<5.6	<1.4	<5.6	<0.20	<2.0	<3.7	<3.7	<5.0
Bromoform	(ug/L)	*0.44*	**4.4**	--	<9.4	<9.4	<2.4	<9.4	<0.20	<2.0	<3.5	<3.5	<5.0
Bromomethane	(ug/L)	*1*	**10**	--	<9.1	<9.1	<2.3	<9.1	<0.50	<5.0	--	--	<24.3
n-Butylbenzene	(ug/L)	NS	NS	ND	<9.3	<9.3	<2.3	<9.3	<0.20	<2.0	<3.5	<3.5	<5.0
sec-Butylbenzene	(ug/L)	NS	NS	--	<8.9	<8.9	<2.2	<8.9	<0.25	<2.5	<3.3	<3.3	<21.9
tert-Butylbenzene	(ug/L)	NS	NS	--	<9.7	<9.7	<2.4	<9.7	<0.20	<2.0	<3.6	<3.6	<1.8
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	--	<4.9	<4.9	<1.2	<4.9	<0.80	<8.0	<3.3	<3.3	<5.0
Chlorobenzene	(ug/L)	NS	NS	<0.41	<4.1	<4.1	<1.0	<4.1	0.20 J	<2.0	<2.4	<2.4	<5.0
Chloroethane	(ug/L)	*80*	**400**	--	<9.7	<9.7	<2.4	<9.7	<1.0	<10	<6.3	<6.3	<3.7
Chloroform	(ug/L)	*0.6*	**6**	--	<13.0	<13.0	<3.2	<13.0	<0.20	<2.0	<2.8	<2.8	<25.0
2-Chlorotoluene	(ug/L)	NS	NS	--	<8.5	<8.5	<2.1	<8.5	<0.50	<5.0	<2.1	<2.1	<5.0
4-Chlorotoluene	(ug/L)	NS	NS	--	<7.4	<7.4	<1.8	<7.4	<0.20	<2.0	<2.1	<2.1	<2.1
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	--	<16.8	<16.8	<4.2	<16.8	<0.50	<5.0	<8.8	<8.8	<21.6
Dibromochloromethane	(ug/L)	*6*	**60**	--	<8.1	<8.1	<2.0	<8.1	--		<2.2	<2.2	<5.0
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	--	<5.6	<5.6	<1.4	<5.6	<0.20	<2.0	<4.4	<4.4	<1.8
Dibromomethane	(ug/L)	NS	NS	--	<6.0	<6.0	<1.5	<6.0	<0.20	<2.0	--	--	<4.3
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	--	<8.3	<8.3	<2.1	<8.3	<0.20	<2.0	<3.6	<3.6	<5.0
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	--	<8.7	<8.7	<2.2	<8.7	<0.20	<2.0	<2.8	<2.8	<5.0
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	--	<9.5	<9.5	<2.4	<9.5	<0.50	<5.0	<3	<3	<5.0
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	--	<9.9	<9.9	<2.5	<9.9	<0.50	<5.0	<4.4	<4.4	<2.2
1,1-Dichloroethane	(ug/L)	*85*	**850**	--	<7.5	<7.5	<1.9	<7.5	<0.50	<5.0	<3	<3	<2.4
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	--	<3.6	<3.6	<0.90	<3.6	<0.50	<5.0	<4.1	<4.1	<1.7
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	--	<5.7	<5.7	<1.4	<5.7	<0.50	<5.0	<4	<4	<4.1
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	--	<4.9	<4.9	<1.2	<4.9	<0.50	<5.0	<3.2	<3.2	<2.3
1,3-Dichloropropane	(ug/L)	NS	NS	--	<6.1	<6.1	<1.5	<6.1	<0.25	<2.5	<3.3	<3.3	<5.0
2,2-Dichloropropane	(ug/L)	NS	NS	--	<6.2	<6.2	<1.6	<6.2	<0.50	<5.0	<3.6	<3.6	<4.8
1,1-Dichloropropene	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	--	<4.4
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	--	--	--	--	--	--	--	--	--	<5.0
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	--	--	--	--	--	--	--	--	--	<2.3
Diisopropyl ether	(ug/L)	NS	NS	--	<7.6	<7.6	<1.9	<7.6	<0.50	<5.0	<2.3	<2.3	<5.0
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	--	<6.7	<6.7	<1.7	<6.7	<0.50	<5.0	<15	<15	<21.1
Isopropylbenzene	(ug/L)	NS	NS	ND	<5.9	<5.9	<1.5	<5.9	<0.20	<2.0	<3	<3	<1.4
p-Isopropyltoluene	(ug/L)	NS	NS	ND	<6.7	<6.7	<1.7	<6.7	<0.20	<2.0	<3.1	<3.1	<5.0
n-Propylbenzene	(ug/L)	NS	NS	ND	<8.1	<8.1	<2.0	<8.1	<0.50	<5.0	<2.5	<2.5	<5.0
Styrene	(ug/L)	*10*	**100**	--	<8.6	<8.6	<2.2	<8.6	<0.50	<5.0	--	--	<5.0
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	--	<9.2	<9.2	<2.3	<9.2	<0.25	<2.5	<3.3	<3.3	<1.8
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	--	<2.0	<2.0	<0.50	<2.0	<0.20	<2.0	<4.5	<4.5	<2.5
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	--	<7.4	<7.4	<1.8	<7.4	<0.25	<2.5	<18	<18	<21.3
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	--	<9.7	<9.7	<2.4	<9.7	<0.25	<2.5	<9.8	<9.8	<22.1
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	--	<9.0	<9.0	<2.2	<9.0	<0.50	<5.0	<3.3	<3.3	<5.0
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	--	<4.2	<4.2	<1.0	<4.2	<0.25	<2.5	<3.4	<3.4	<2.0
Trichlorofluoromethane	(ug/L)	NS	NS	--	<7.9	<7.9	<2.0	<7.9	<0.50	<5.0	<7.1	<7.1	<1.8
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	--	<9.9	<9.9	<2.5	<9.9	<0.50	<5.0	--	--	<5.0

Notes:
ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard
NS = No standard established
-- = Parameter not analyzed or reported
ND = Below laboratory detection limit
DUP = Duplicate Sample

Table A.1.a
Groundwater Analytical Table - VOC
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-6					
Date				2/26/10	10/18/10	5/6/11	1/27/12	4/4/14	1/23/18
Groundwater Elevation				682.61	681.80	681.87	681.99	682.93	681.97
Notes									
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	<0.45	<0.45	<0.45	<0.50	<0.33	<0.50
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<0.48	<0.48	<0.48	<0.20	<0.33	<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<0.83	<0.83	<0.83	<0.50	<0.38	<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<0.89	<0.89	<0.89	<0.50	<0.35	<0.26
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.18	<0.18	<0.18	<0.20	<0.18	<0.18
Methylene Chloride	(ug/L)	*0.5*	**5**	--	<0.43	<0.43	<1.0	<0.5	<0.23
Chloromethane	(ug/L)	3	**30**	0.41 J	0.33 J	<0.24	<0.30	<0.81	<0.50
Benzene	(ug/L)	*0.5*	**5**	<0.41	<0.41	<0.41	<0.20	<0.24	<0.50
Ethylbenzene	(ug/L)	*140*	**700**	ND	<0.54	<0.54	<0.50	<0.55	<0.50
Toluene	(ug/L)	*160*	**800**	<0.67	<0.67	<0.67	<0.50	<0.69	<0.50
m&p-Xylene	(ug/L)	NS	NS	--	<1.8	<1.8	--	<0.69	<1.0
o-Xylene	(ug/L)	NS	NS	--	<0.83	<0.83	--	<0.63	<0.50
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	--	<2.63	<2.63	<0.50	<1.32	<1.5
Naphthalene	(ug/L)	*10*	**100**	ND	<0.89	<0.89	<0.25	<1.7	<2.5
MTBE	(ug/L)	*12*	**60**	--	<0.61	<0.61	<0.50	<0.23	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	ND	<0.97	<0.97	<0.20	<2.2	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	ND	<0.83	<0.83	<0.20	<1.4	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	--	<1.8	<1.8	<0.40	<3.6	<1.0
Bromobenzene	(ug/L)	NS	NS	--	<0.82	<0.82	<0.20	<0.32	<0.23
Bromochloromethane	(ug/L)	NS	NS	--	<0.97	<0.97	<0.50	--	<0.34
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	--	<0.56	<0.56	<0.20	<0.37	<0.50
Bromoform	(ug/L)	*0.44*	**4.4**	--	<0.94	<0.94	<0.20	<0.35	<0.50
Bromomethane	(ug/L)	*1*	**10**	--	<0.91	<0.91	<0.50	--	<2.4
n-Butylbenzene	(ug/L)	NS	NS	ND	<0.93	<0.93	<0.20	<0.35	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	--	<0.89	<0.89	<0.25	<0.33	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	--	<0.97	<0.97	<0.20	<0.36	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	--	<0.49	<0.49	<0.80	<0.33	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.41	<0.41	<0.41	<0.20	<0.24	<0.50
Chloroethane	(ug/L)	*80*	**400**	--	<0.97	<0.97	<1.0	<0.63	<0.37
Chloroform	(ug/L)	*0.6*	**6**	--	<1.3	<1.3	<0.20	<0.28	<2.5
2-Chlorotoluene	(ug/L)	NS	NS	--	<0.85	<0.85	<0.50	<0.21	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	--	<0.74	<0.74	<0.20	<0.21	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	--	<1.7	<1.7	<0.50	<0.88	<2.2
Dibromochloromethane	(ug/L)	*6*	**60**	--	<0.81	<0.81	--	<0.22	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	--	<0.56	<0.56	<0.20	<0.44	<0.18
Dibromomethane	(ug/L)	NS	NS	--	<0.60	<0.60	<0.20	--	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	--	<0.83	<0.83	<0.20	<0.36	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	--	<0.87	<0.87	<0.20	<0.28	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	--	<0.95	<0.95	<0.50	<0.3	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	--	<0.99	<0.99	<0.50	<0.44	<0.22
1,1-Dichloroethane	(ug/L)	*85*	**850**	--	<0.75	<0.75	<0.50	<0.3	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	--	<0.36	<0.36	<0.50	<0.41	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	--	<0.57	<0.57	<0.50	<0.4	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	--	<0.49	<0.49	<0.50	<0.32	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	--	<0.61	<0.61	<0.25	<0.33	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	--	<0.62	<0.62	<0.50	<0.36	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	--	<0.75	<0.75	<0.50	--	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.20	<0.20	<0.20	--	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.19	<0.19	<0.20	--	<0.23
Diisopropyl ether	(ug/L)	NS	NS	--	<0.76	<0.76	<0.50	<0.23	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	--	<0.67	<0.67	<0.50	<1.5	<2.1
Isopropylbenzene	(ug/L)	NS	NS	ND	<0.59	<0.59	<0.20	<0.3	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	ND	<0.67	<0.67	<0.20	<0.31	<0.50
n-Propylbenzene	(ug/L)	NS	NS	ND	<0.81	<0.81	<0.50	<0.25	<0.50
Styrene	(ug/L)	*10*	**100**	--	<0.86	<0.86	<0.50	--	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	--	<0.92	<0.92	<0.25	<0.33	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	--	<0.20	<0.20	<0.20	<0.45	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	--	<0.74	<0.74	<0.25	<1.8	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	--	<0.97	<0.97	<0.25	<0.98	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	--	<0.90	<0.90	<0.50	<0.33	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	--	<0.42	<0.42	<0.25	<0.34	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	--	<0.79	<0.79	<0.50	<0.71	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	--	<0.99	<0.99	<0.50	--	<0.50

Notes:

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard
NS = No standard established
-- = Parameter not analyzed or reported
ND = Below laboratory detection limit
DUP = Duplicate Sample

Table A.1.a
Groundwater Analytical Table - VOC
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-7					MW-8				
Date				10/18/10	5/6/11	1/27/12	4/4/14	1/23/18	10/18/10	5/5/11	1/27/12	4/4/14	1/23/18
Groundwater Elevation				675.45	681.91	684.21	682.40	682.42	674.91	685.56	683.73	682.50	682.53
Notes													
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	<0.45	<0.45	<0.50	<0.33	<0.50	<0.45	0.49 J	<0.50	<0.33	<0.50
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<0.48	<0.48	<0.20	<0.33	<0.33	<0.48	<0.48	<0.20	<0.33	<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<0.83	<0.83	<0.50	<0.38	<0.26	<0.83	<0.83	<0.50	<0.38	<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<0.89	<0.89	<0.50	<0.35	<0.26	<0.89	<0.89	<0.50	<0.35	<0.26
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.18	<0.18	<0.20	<0.18	<0.18	<0.18	<0.18	<0.20	<0.18	<0.18
Methylene Chloride	(ug/L)	*0.5*	**5**	<0.43	<0.43	<1.0	<0.5	<0.23	<0.43	<0.43	<1.0	<0.5	<0.23
Chloromethane	(ug/L)	3	**30**	0.92 J	<0.24	<0.30	<0.81	<0.50	<0.24	<0.24	<0.30	<0.81	<0.50
Benzene	(ug/L)	*0.5*	**5**	< 0.41	<0.41	<0.20	<0.24	<0.50	< 0.41	*0.64 J*	0.21 J	*0.84*	*1.1*
Ethylbenzene	(ug/L)	*140*	**700**	<0.54	<0.54	<0.50	<0.55	<0.50	<0.54	0.99 J	<0.50	<0.55	1.5
Toluene	(ug/L)	*160*	**800**	<0.67	<0.67	<0.50	<0.69	<0.50	<0.67	<0.67	<0.50	<0.69	<0.50
m&p-Xylene	(ug/L)	NS	NS	<1.8	<1.8	--	<0.69	<1.0	<1.8	<1.8	--	<0.69	<1.0
o-Xylene	(ug/L)	NS	NS	<0.83	<0.83	--	<0.63	<0.50	<0.83	<0.83	--	<0.63	<0.50
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<2.63	<2.63	<0.50	<1.32	<1.5	<2.63	<2.63	<0.50	<1.32	<1.5
Naphthalene	(ug/L)	*10*	**100**	<0.89	<0.89	<0.25	<1.7	<2.5	<0.89	9.9	<0.25	6.2	<2.5
MTBE	(ug/L)	*12*	**60**	<0.61	<0.61	<0.50	<0.23	<0.17	<0.61	<0.61	<0.50	<0.23	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.97	<0.97	<0.20	<2.2	<0.50	<0.97	4.7	<0.20	2.81 J	0.94 J
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.83	<0.83	<0.20	<1.4	<0.50	<0.83	3.1	<0.20	<1.4	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<1.8	<1.8	<0.40	<3.6	<1.0	<1.8	7.8	<0.40	2.81	0.94
Bromobenzene	(ug/L)	NS	NS	<0.82	<0.82	<0.20	<0.32	<0.23	<0.82	<0.82	<0.20	<0.32	<0.23
Bromochloromethane	(ug/L)	NS	NS	<0.97	<0.97	<0.50	--	<0.34	<0.97	<0.97	<0.50	--	<0.34
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	<0.56	<0.56	<0.20	<0.37	<0.50	<0.56	<0.56	<0.20	<0.37	<0.50
Bromoform	(ug/L)	*0.44*	**4.4**	<0.94	<0.94	<0.20	<0.35	<0.50	<0.94	<0.94	<0.20	<0.35	<0.50
Bromomethane	(ug/L)	*1*	**10**	<0.91	<0.91	<0.50	--	<2.4	<0.91	<0.91	<0.50	--	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.93	<0.93	<0.20	<0.35	<0.50	<0.93	<0.93	<0.20	0.61 J	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.89	<0.89	<0.25	<0.33	<2.2	<0.89	<0.89	<0.25	<0.33	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.97	<0.97	<0.20	<0.36	<0.18	<0.97	<0.97	<0.20	<0.36	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	<0.49	<0.49	<0.80	<0.33	<0.50	<0.49	<0.49	<0.80	<0.33	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.41	<0.41	<0.20	<0.24	<0.50	<0.41	<0.41	<0.20	<0.24	<0.50
Chloroethane	(ug/L)	*80*	**400**	<0.97	<0.97	<1.0	<0.63	<0.37	<0.97	<0.97	<1.0	<0.63	<0.37
Chloroform	(ug/L)	*0.6*	**6**	<1.3	<1.3	<0.20	<0.28	<2.5	<1.3	<1.3	<0.20	<0.28	<2.5
2-Chlorotoluene	(ug/L)	NS	NS	<0.85	<0.85	<0.50	<0.21	<0.50	<0.85	<0.85	<0.50	<0.21	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.74	<0.74	<0.20	<0.21	<0.21	<0.74	<0.74	<0.20	<0.21	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	<1.7	<1.7	<0.50	<0.88	<2.2	<1.7	<1.7	<0.50	<0.88	<2.2
Dibromochloromethane	(ug/L)	*6*	**60**	<0.81	<0.81	--	<0.22	<0.50	<0.81	<0.81	--	<0.22	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	<0.56	<0.56	<0.20	<0.44	<0.18	<0.56	<0.56	<0.20	<0.44	<0.18
Dibromomethane	(ug/L)	NS	NS	<0.60	<0.60	<0.20	--	<0.43	<0.60	<0.60	<0.20	--	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<0.83	<0.83	<0.20	<0.36	<0.50	<0.83	<0.83	<0.20	<0.36	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	<0.87	<0.87	<0.20	<0.28	<0.50	<0.87	<0.87	<0.20	<0.28	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	<0.95	<0.95	<0.50	<0.3	<0.50	<0.95	<0.95	<0.50	<0.3	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<0.99	<0.99	<0.50	<0.44	<0.22	<0.99	<0.99	<0.50	<0.44	<0.22
1,1-Dichloroethane	(ug/L)	*85*	**850**	<0.75	<0.75	<0.50	<0.3	<0.24	<0.75	<0.75	<0.50	<0.3	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.36	<0.36	<0.50	<0.41	<0.17	<0.36	<0.36	<0.50	<0.41	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<0.57	<0.57	<0.50	<0.4	<0.41	<0.57	<0.57	<0.50	<0.4	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	<0.49	<0.49	<0.50	<0.32	<0.23	<0.49	<0.49	<0.50	<0.32	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.61	<0.61	<0.25	<0.33	<0.50	<0.61	<0.61	<0.25	<0.33	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.62	<0.62	<0.50	<0.36	<0.48	<0.62	<0.62	<0.50	<0.36	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	<0.75	<0.75	<0.50	--	<0.44	<0.75	<0.75	<0.50	--	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	<0.20	<0.20	<0.20	--	<0.50	<0.20	<0.20	<0.20	--	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	<0.19	<0.19	<0.20	--	<0.23	<0.19	<0.19	<0.20	--	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.76	<0.76	<0.50	<0.23	<0.50	<0.76	<0.76	<0.50	<0.23	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<0.67	<0.67	<0.50	<1.5	<2.1	<0.67	<0.67	<0.50	<1.5	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.59	<0.59	<0.20	<0.3	<0.14	<0.59	<0.59	<0.20	0.31 J	0.36 J
p-Isopropyltoluene	(ug/L)	NS	NS	<0.67	<0.67	<0.20	<0.31	<0.50	<0.67	<0.67	<0.20	0.63 J	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.81	<0.81	<0.50	<0.25	<0.50	<0.81	<0.81	<0.50	0.31 J	0.51 J
Styrene	(ug/L)	*10*	**100**	<0.86	<0.86	<0.50	--	<0.50	<0.86	<0.86	<0.50	--	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	<0.92	<0.92	<0.25	<0.33	<0.18	<0.92	<0.92	<0.25	<0.33	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	<0.20	<0.20	<0.20	<0.45	<0.25	<0.20	<0.20	<0.20	<0.45	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<0.74	<0.74	<0.25	<1.8	<2.1	<0.74	<0.74	<0.25	<1.8	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	<0.97	<0.97	<0.25	<0.98	<2.2	<0.97	<0.97	<0.25	<0.98	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<0.90	<0.90	<0.50	<0.33	<0.50	<0.90	<0.90	<0.50	<0.33	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<0.42	<0.42	<0.25	<0.34	<0.20	<0.42	<0.42	<0.25	<0.34	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.79	<0.79	<0.50	<0.71	<0.18	<0.79	<0.79	<0.50	<0.71	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	<0.99	<0.99	<0.50	--	<0.50	<0.99	<0.99	<0.50	--	<0.50

Notes:
ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard
NS = No standard established
-- = Parameter not analyzed or reported
ND = Below laboratory detection limit
DUP = Duplicate Sample

Table A.1.a
Groundwater Analytical Table - VOC
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-9		Trip Blank						
Date				4/4/14	1/23/18	11/19/09	10/18/10	5/5/11	1/26/12	4/4/14	7/14/15	1/23/18
Groundwater Elevation				--	--	--	--	--	--	--	--	--
Notes												
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	*47*	*12.6*	<0.45	<0.45	<0.45	<0.50	<0.33	<0.49	<0.50
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	*6.0*	*2.6*	<0.48	<0.48	<0.48	<0.20	<0.33	<0.47	<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	*56*	*41.3*	<0.83	<0.83	<0.83	<0.50	<0.38	<0.45	<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	6.5	6.3	<0.89	<0.89	<0.89	<0.50	<0.35	<0.54	<0.26
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.18	<0.18	<0.18	<0.18	<0.18	<0.20	<0.18	<0.17	<0.18
Methylene Chloride	(ug/L)	*0.5*	**5**	<0.5	<0.23	<0.43	<0.43	<0.43	<1.0	<0.5	<1.3	<0.23
Chloromethane	(ug/L)	3	**30**	<0.81	<0.50	< 0.24	< 0.24	< 0.24	<0.30	<0.81	<1.9	<0.50
Benzene	(ug/L)	*0.5*	**5**	<0.24	<0.50	< 0.41	< 0.41	*1.7*	<0.20	<0.24	<0.44	<0.50
Ethylbenzene	(ug/L)	*140*	**700**	<0.55	<0.50	<0.54	<0.54	<0.54	<0.50	<0.55	<0.71	<0.50
Toluene	(ug/L)	*160*	**800**	<0.69	<0.50	<0.67	<0.67	<0.67	<0.50	<0.69	<0.44	<0.50
m&p-Xylene	(ug/L)	NS	NS	<0.69	<1.0	<1.8	<1.8	<1.8	--	<0.69	<2.2	<1.0
o-Xylene	(ug/L)	NS	NS	<0.63	<0.50	<0.83	<0.83	<0.83	--	<0.63	<0.9	<0.50
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<1.32	<1.5	<2.63	<2.63	<2.63	<0.50	<1.32	<3.1	<1.5
Naphthalene	(ug/L)	*10*	**100**	<1.7	<2.5	<0.89	<0.89	<0.89	<0.25	<1.7	<1.6	<2.5
MTBE	(ug/L)	*12*	**60**	<0.23	<0.17	<0.61	<0.61	<0.61	<0.50	<0.23	<1.1	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<2.2	<0.50	<0.97	<0.97	<0.97	<0.20	<2.2	<1.6	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<1.4	<0.50	<0.83	<0.83	<0.83	<0.20	<1.4	<1.5	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<3.6	<1.0	<1.8	<1.8	<1.8	<0.40	<3.6	<3.1	<1.0
Bromobenzene	(ug/L)	NS	NS	<0.32	<0.23	<0.82	<0.82	<0.82	<0.20	<0.32	<0.48	<0.23
Bromochloromethane	(ug/L)	NS	NS	--	<0.34	<0.97	<0.97	<0.97	<0.50	--	--	<0.34
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	<0.37	<0.50	<0.56	<0.56	<0.56	<0.20	<0.37	<0.46	<0.50
Bromoform	(ug/L)	*0.44*	**4.4**	<0.35	<0.50	<0.94	<0.94	<0.94	<0.20	<0.35	<0.46	<0.50
Bromomethane	(ug/L)	*1*	**10**	--	<2.4	<0.91	<0.91	<0.91	<0.50	--	--	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.35	<0.50	<0.93	<0.93	<0.93	<0.20	<0.35	<1	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.33	<2.2	<0.89	<0.89	<0.89	<0.25	<0.33	<1.2	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.36	<0.18	<0.97	<0.97	<0.97	<0.20	<0.36	<1.1	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	<0.33	<0.50	<0.49	<0.49	<0.49	<0.80	<0.33	<0.51	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.24	<0.50	<0.41	<0.41	<0.41	<0.20	<0.24	<0.46	<0.50
Chloroethane	(ug/L)	*80*	**400**	<0.63	<0.37	<0.97	<0.97	<0.97	<1.0	<0.63	<0.65	<0.37
Chloroform	(ug/L)	*0.6*	**6**	<0.28	<2.5	<1.3	<1.3	<1.3	<0.20	<0.28	<0.43	<2.5
2-Chlorotoluene	(ug/L)	NS	NS	<0.21	<0.50	<0.85	<0.85	<0.85	<0.50	<0.21	<0.4	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.21	<0.21	<0.74	<0.74	<0.74	<0.20	<0.21	<0.63	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	<0.88	<2.2	<1.7	<1.7	<1.7	<0.50	<0.88	<1.4	<2.2
Dibromochloromethane	(ug/L)	*6*	**60**	<0.22	<0.50	<0.81	<0.81	<0.81	--	<0.22	<0.45	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	<0.44	<0.18	<0.56	<0.56	<0.56	<0.20	<0.44	<0.63	<0.18
Dibromomethane	(ug/L)	NS	NS	--	<0.43	<0.60	<0.60	<0.60	<0.20	--	--	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<0.36	<0.50	<0.83	<0.83	<0.83	<0.20	<0.36	<0.46	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	<0.28	<0.50	<0.87	<0.87	<0.87	<0.20	<0.28	<0.52	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	<0.3	<0.50	<0.95	<0.95	<0.95	<0.50	<0.3	<0.49	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<0.44	<0.22	<0.99	<0.99	<0.99	<0.50	<0.44	<0.87	<0.22
1,1-Dichloroethane	(ug/L)	*85*	**850**	<0.3	<0.24	<0.75	<0.75	<0.75	<0.50	<0.3	<1.1	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.41	<0.17	<0.36	<0.36	<0.36	<0.50	<0.41	<0.48	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<0.4	<0.41	<0.57	<0.57	<0.57	<0.50	<0.4	<0.65	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	<0.32	<0.23	<0.49	<0.49	<0.49	<0.50	<0.32	<0.43	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.33	<0.50	<0.61	<0.61	<0.61	<0.25	<0.33	<0.42	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.36	<0.48	<0.62	<0.62	<0.62	<0.50	<0.36	<3.1	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	--	<0.44	<0.75	<0.75	<0.75	<0.50	--	--	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.50	<0.20	<0.20	<0.20	<0.20	--	--	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	--	<0.23	<0.19	<0.19	<0.19	<0.20	--	--	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.23	<0.50	<0.76	<0.76	<0.76	<0.50	<0.23	<0.44	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<1.5	<2.1	<0.67	<0.67	<0.67	<0.50	<1.5	<2.2	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.3	<0.14	<0.59	<0.59	<0.59	<0.20	<0.3	<0.82	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.31	<0.50	<0.67	<0.67	<0.67	<0.20	<0.31	<1.1	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.25	<0.50	<0.81	<0.81	<0.81	<0.50	<0.25	<0.77	<0.50
Styrene	(ug/L)	*10*	**100**	--	<0.50	<0.86	<0.86	<0.86	<0.50	--	--	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	<0.33	<0.18	<0.92	<0.92	<0.92	<0.25	<0.33	<0.48	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	<0.45	<0.25	<0.20	<0.20	<0.20	<0.20	<0.45	<0.52	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.8	<2.1	<0.74	<0.74	<0.74	<0.25	<1.8	<2.7	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	<0.98	<2.2	<0.97	<0.97	<0.97	<0.25	<0.98	<1.7	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<0.33	<0.50	<0.90	<0.90	<0.90	<0.50	<0.33	<0.84	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<0.34	<0.20	<0.42	<0.42	<0.42	<0.25	<0.34	<0.48	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.71	<0.18	<0.79	<0.79	<0.79	<0.50	<0.71	<0.87	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	--	<0.50	<0.99	<0.99	<0.99	<0.50	--	--	<0.50

Notes:
ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard
NS = No standard established
-- = Parameter not analyzed or reported
ND = Below laboratory detection limit
DUP = Duplicate Sample

Table A.2.a
Soil Analytical Results Table - VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	Non-Industrial Direct-Contact (0-4') RCL (ug/kg)	GP-1		GP-2	GP-3	SB-1		SB-2	
Date					5/19/02		5/19/02	5/19/02	2/25/09		2/25/09	
Depth					0.5-2'	5-6'	0-2'	1-2'	9-10'	25-26'	15-16'	27-28'
Description					CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	8'	8'
Saturated (S) or Unsaturated (U)					U	U	U	U	S	S	S	S
PID Reading					--	--	--	--	0.5	3.2	2.4	2.3
Notes									MW-1		MW-2	
Tetrachloroethene (PCE)	(ug/kg)	*4.50*	**145,000**	**33,000**	*41,500*	*338,000*	<29	*2,070*	*240*	<4.5	*5.8*	<4.4
Trichloroethene (TCE)	(ug/kg)	*3.60*	**8,410**	**1,300**	*81*	*259*	<29	<29	<1.1	<0.82	<0.84	<0.80
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**2,340,000**	**156,000**	<29	<28	<29	<29	<6.2	<4.5	<4.6	<4.4
trans-1,2-Dichloroethene	(ug/kg)	*62.6*	**1,860,000**	**1,560,000**	<29	<28	<29	<29	<6.2	<4.5	<4.6	<4.4
Vinyl Chloride	(ug/kg)	*0.1*	**2,080**	**67**	<29	<28	<29	<29	<2.1	<1.5	<1.6	<1.5
Methylene Chloride	(ug/kg)	*2.6*	**1,150,000**	**61,800**	<58	<56	<58	<57	--	--	--	--
Benzene	(ug/kg)	*5.12*	**7,070**	**1,600**	<29	<28	<29	<29	--	--	--	--
Ethylbenzene	(ug/kg)	*1,570*	**35,400**	**8,020**	<29	<28	<29	<29	<6.2	<4.5	<4.6	<4.4
Toluene	(ug/kg)	*1,107*	**818,000**	**818,000**	<29	<28	<29	<29	6.9	<4.5	<4.6	<4.4
m&p-Xylene	(ug/kg)	NS	**778,000**	**778,000**	--	--	--	--	--	--	--	--
o-Xylene	(ug/kg)	NS	**434,000**	**434,000**	--	--	--	--	--	--	--	--
Xylenes (TOTAL)	(ug/kg)	*3,960*	**260,000**	**260,000**	<40	<39	<41	<40	<6.2	<4.5	<4.6	<4.4
Naphthalene	(ug/kg)	*658*	**24,100**	**5,520**	<29	<28	<29	<29	<6.2	<4.5	<4.6	<4.4
MTBE	(ug/kg)	*27*	**282,000**	**63,800**	<29	<28	<29	<29	--	--	--	--
1,2,4-Trimethylbenzene	(ug/kg)	NS	**219,000**	**219,000**	<29	<28	<29	<29	<6.2	<4.5	<4.6	<4.4
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	**182,000**	<29	29	<29	<29	<6.2	<4.5	<4.6	<4.4
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	*1,382*	NS	NS	<58	29	<58	<58	--			
Bromobenzene	(ug/kg)	NS	**679,000**	**342,000**	<29	<28	<29	<29	--	--	--	--
Bromochloromethane	(ug/kg)	NS	**906,000**	**216,000**	<29	<28	<29	<29	--	--	--	--
Bromodichloromethane	(ug/kg)	*0.3*	**1,830**	**418**	<29	<28	<29	<29	--	--	--	--
Bromoform	(ug/kg)	*2.3*	**113,000**	**25,400**	<29	<28	<29	<29	--	--	--	--
Bromomethane	(ug/kg)	*5.1*	**43,000**	**9,600**	<115	<113	<116	<115	--	--	--	--
n-Butylbenzene	(ug/kg)	NS	**108,000**	**108,000**	<29	<28	<29	<29	--	--	--	--
sec-Butylbenzene	(ug/kg)	NS	**145,000**	**145,000**	<29	<28	<29	<29	<6.2	<4.5	<4.6	<4.4
tert-Butylbenzene	(ug/kg)	NS	**183,000**	**183,000**	<29	<28	<29	<29	--	--	--	--
Carbon Tetrachloride	(ug/kg)	*3.9*	**4,030**	**916**	<29	<28	<29	<29	--	--	--	--
Chlorobenzene	(ug/kg)	NS	**761,000**	**370,000**	<29	<28	<29	<29	<6.2	<4.5	<4.6	<4.4
Chloroethane	(ug/kg)	*226.6*	**2,121,000**	**2,120,000**	<40	<28	<41	<40	--	--	--	--
Chloroform	(ug/kg)	*3.3*	**1,980**	**454**	<29	<28	<29	<29	<6.2	<4.5	<4.6	<4.4
Chloromethane	(ug/kg)	*15.5*	**669,000**	**159,000**	<58	<56	<58	<57	--	--	--	--
2-Chlorotoluene	(ug/kg)	NS	**907,000**	**907,000**	<29	<28	<29	<29	--	--	--	--
4-Chlorotoluene	(ug/kg)	NS	**253,000**	**253,000**	<29	<28	<29	<29	--	--	--	--
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.2*	**92**	**8**	<58	<56	<58	<57	--	--	--	--
Dibromochloromethane	(ug/kg)	*32*	**38,900**	**8,280**	--	--	--	--	--	--	--	--
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**221**	**50**	<29	<28	<29	<29	--	--	--	--
Dibromomethane	(ug/kg)	NS	**143,000**	**34,000**	<29	<28	<29	<29	--	--	--	--
1,2-Dichlorobenzene	(ug/kg)	*1,168*	**376,000**	**376,000**	<29	<28	<29	<29	--	--	--	--
1,3-Dichlorobenzene	(ug/kg)	*1,152.8*	**297,000**	**297,000**	<29	<28	<29	<29	--	--	--	--
1,4-Dichlorobenzene	(ug/kg)	*144*	**16,400**	**3,740**	<29	<28	<29	<29	--	--	--	--
Dichlorodifluoromethane	(ug/kg)	*3,086.3*	**530,000**	**126,000**	<29	<28	<29	<29	--	--	--	--
1,1-Dichloroethane	(ug/kg)	*483.4*	**22,200**	**5,060**	<29	<28	<29	<29	--	--	--	--
1,2-Dichloroethane	(ug/kg)	*2.8*	**2,870**	**652**	<29	<28	<29	<29	--	--	--	--
1,1-Dichloroethene	(ug/kg)	*5*	**1,190**	**320,000**	<29	<28	<29	<29	--	--	--	--
1,2-Dichloropropane	(ug/kg)	*3.3*	**1,780**	**406**	<29	<28	<29	<29	<1.2	<0.91	<0.93	<0.88
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	**1,490,000**	<29	<28	<29	<29	--	--	--	--
2,2-Dichloropropane	(ug/kg)	NS	**191,000**	**191,000**	<29	<28	<29	<29	--	--	--	--
1,1-Dichloropropene	(ug/kg)	NS	NS	NS	<29	<28	<29	<29	--	--	--	--
cis-1,3-Dichloropropene	(ug/kg)	*0.3*	**1,220,000**	**1,220,000**	<29	<28	<29	<29	--	--	--	--
trans-1,3Dichloropropene	(ug/kg)	*0.3*	**1,510,000**	**1,510,000**	<29	<28	<29	<29	--	--	--	--
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	**2,260,000**	<29	<28	<29	<29	--	--	--	--
Hexachloro-1,3-butadiene	(ug/kg)	NS	**7,450**	**1,630**	<40	<39	<40	<40	--	--	--	--
Isopropylbenzene	(ug/kg)	NS	**268,000**	**268,000**	<29	<28	<29	<29	ND	ND	ND	ND
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	**162,000**	<29	<28	<29	<29	<6.2	<4.5	<4.6	<4.4
n-Propylbenzene	(ug/kg)	NS	**264,000**	**264,000**	<29	<28	<29	<29	<6.2	<4.5	<4.6	<4.4
Styrene	(ug/kg)	*220*	**867,000**	**867,000**	<29	<28	<29	<29	--	--	--	--
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**12,300**	**2,780**	<29	<28	<29	<29	<6.2	<4.5	<4.6	<4.4
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.2*	**3,600**	**810**	<29	<28	<29	<29	--	--	--	--
1,2,3-Trichlorobenzene	(ug/kg)	NS	**934,000**	**62,600**	<29	<28	<29	<29	--	--	--	--
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**113,000**	**24,000**	<29	<28	<29	<29	--	--	--	--
1,1,1-Trichlorethane	(ug/kg)	*140.2*	**640,000**	**640,000**	<29	<28	<29	<29	--	--	--	--
1,1,2-Trichlorethane	(ug/kg)	*3.2*	**7,010**	**1,590**	<29	<28	<29	<29	--	--	--	--
Trichlorofluoromethane	(ug/kg)	NS	**1,230,000**	**1,120,000**	<29	<28	<29	<29	--	--	--	--
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**109**	**5**	<29	<28	<29	<29	--	--	--	--
Diesel Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--
Gasoline Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--
No. of Individual Exceedances (DC)					1	--	--	0	--	--	--	--
Cumulative Hazard Index (DC)			≤1.0		0.395	--	--	0.019	--	--	--	--
Cumulative Cancer Risk (DC)			1.00E-05		1.3E-06	--	--	6.3E-08	--	--	--	--

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

B1: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
NS = No standard established
-- = Parameter not analyzed
NR = Parameter not reported
RCL = Residual Contaminant Level
DC = Direct Contact

(1): Incomplete lab report provided, not all compounds/results able to be verified
(2): Sampled for VOC TCLP; see other tables for results

Table A.2.a
Soil Analytical Results Table - VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	**Non-Industrial** Direct-Contact (0-4') RCL (ug/kg)	SB-3			SB-4		SB-5		SB-6		SB-7	
Date					2/25/09			2/25/09		2/25/09		11/12/09		11/12/09	
Depth					3-4'	6-7'	27-28'	11-11.5'	12.5-13'	6-6.5'	10-10.5'	2-4'	12-14'	4-6'	12-14'
Description					CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	SILT	SILT	SILT	SILT
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
Saturated (S) or Unsaturated (U)					U	U	S	S	S	U	S	U	S	U	S
PID Reading					11.1	3.0	0.1	2638	12.6	65.1	152.0	1.7	1.9	0.0	0.0
Notes					MW-3							MW-6			
Tetrachloroethene (PCE)	(ug/kg)	*4.50*	**145,000**	**33,000**	*53,000*	*64,000*	*8.0*	*3,500,000*	*370,000*	*300,000*	*4,100,000*	<25.0	<25.0	<25.0	<25.0
Trichloroethene (TCE)	(ug/kg)	*3.60*	**8,410**	**1,300**	*4.8*	2.3	<0.88	*620*	*240*	*640*	*790*	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**2,340,000**	**156,000**	<5	<4.7	<4.9	24.0	19.0	*160*	*87*	<25.0	<25.0	<25.0	<25.0
trans-1,2-Dichloroethene	(ug/kg)	*62.6*	**1,860,000**	**1,560,000**	<5	<4.7	<4.9	<4.6	<4.5	<4.4	<4.5	<25.0	<25.0	<25.0	<25.0
Vinyl Chloride	(ug/kg)	*0.1*	**2,080**	**67**	<1.7	<1.6	<1.7	< 1.6	< 1.5	< 1.5	1.8	<25.0	<25.0	<25.0	<25.0
Methylene Chloride	(ug/kg)	*2.6*	**1,150,000**	**61,800**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Benzene	(ug/kg)	*5.12*	**7,070**	**1,600**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Ethylbenzene	(ug/kg)	*1,570*	**35,400**	**8,020**	<5	<4.7	<4.9	6.4	5.6	<4.4	5.9	<25.0	<25.0	<25.0	<25.0
Toluene	(ug/kg)	*1,107*	**818,000**	**818,000**	<5	<4.7	<4.9	35.0	35.0	5.5	15.0	<25.0	<25.0	<25.0	<25.0
m&p-Xylene	(ug/kg)	NS	**778,000**	**778,000**	--	--	--	--	--	--	--	<50.0	<50.0	<50.0	<50.0
o-Xylene	(ug/kg)	NS	**434,000**	**434,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Xylenes (TOTAL)	(ug/kg)	*3,960*	**260,000**	**260,000**	<5	<4.7	<4.9	28.0	23.0	<4.4	16.0	<75.0	<75.0	<75.0	<75.0
Naphthalene	(ug/kg)	*658*	**24,100**	**5,520**	<5	<4.7	<4.9	<4.6	<4.5	<4.4	<4.5	<25.0	<25.0	<25.0	<25.0
MTBE	(ug/kg)	*27*	**282,000**	**63,800**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,2,4-Trimethylbenzene	(ug/kg)	NS	**219,000**	**219,000**	<5	<4.7	<4.9	<4.6	<4.5	<4.4	<4.5	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	**182,000**	<5	<4.7	<4.9	<4.6	<4.5	<4.4	<4.5	<25.0	<25.0	<25.0	<25.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	*1,382*	NS	NS								<50.0	<50.0	<50.0	<50.0
Bromobenzene	(ug/kg)	NS	**679,000**	**342,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Bromochloromethane	(ug/kg)	NS	**906,000**	**216,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Bromodichloromethane	(ug/kg)	*0.3*	**1,830**	**418**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Bromoform	(ug/kg)	*2.3*	**113,000**	**25,400**	--	--	--	--	--	--	--	<25.9	<25.9	<25.9	<25.9
Bromomethane	(ug/kg)	*5.1*	**43,000**	**9,600**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
n-Butylbenzene	(ug/kg)	NS	**108,000**	**108,000**	--	--	--	--	--	--	--	<40.4	<40.4	<40.4	<40.4
sec-Butylbenzene	(ug/kg)	NS	**145,000**	**145,000**	<5	<4.7	<4.9	<4.6	<4.5	<4.4	<4.5	<25.0	<25.0	<25.0	<25.0
tert-Butylbenzene	(ug/kg)	NS	**183,000**	**183,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Carbon Tetrachloride	(ug/kg)	*3.9*	**4,030**	**916**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Chlorobenzene	(ug/kg)	NS	**761,000**	**370,000**	<5	<4.7	<4.9	<4.6	140	14.0	18.0	<25.0	<25.0	<25.0	<25.0
Chloroethane	(ug/kg)	*226.6*	**2,121,000**	**2,120,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Chloroform	(ug/kg)	*3.3*	**1,980**	**454**	<5	<4.7	<4.9	<4.6	<4.5	*4.5*	<4.5	<25.0	<25.0	<25.0	<25.0
Chloromethane	(ug/kg)	*15.5*	**669,000**	**159,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
2-Chlorotoluene	(ug/kg)	NS	**907,000**	**907,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
4-Chlorotoluene	(ug/kg)	NS	**253,000**	**253,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.2*	**92**	**8**	--	--	--	--	--	--	--	<82.3	<82.3	<82.3	<82.3
Dibromochloromethane	(ug/kg)	*32*	**38,900**	**8,280**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**221**	**50**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Dibromomethane	(ug/kg)	NS	**143,000**	**34,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,2-Dichlorobenzene	(ug/kg)	*1,168*	**376,000**	**376,000**	--	--	--	--	--	--	--	<44.4	<44.4	<44.4	<44.4
1,3-Dichlorobenzene	(ug/kg)	*1,152.8*	**297,000**	**297,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,4-Dichlorobenzene	(ug/kg)	*144*	**16,400**	**3,740**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Dichlorodifluoromethane	(ug/kg)	*3,086.3*	**530,000**	**126,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethane	(ug/kg)	*483.4*	**22,200**	**5,060**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,2-Dichloroethane	(ug/kg)	*2.8*	**2,870**	**652**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethene	(ug/kg)	*5*	**1,190**	**320,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,2-Dichloropropane	(ug/kg)	*3.3*	**1,780**	**406**	<1.0	<0.93	<0.98	*22.0*	*16.0*	<0.88	*16.0*	<25.0	<25.0	<25.0	<25.0
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	**1,490,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
2,2-Dichloropropane	(ug/kg)	NS	**191,000**	**191,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,1-Dichloropropene	(ug/kg)	NS	NS	NS	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
cis-1,3-Dichloropropene	(ug/kg)	*0.3*	**1,220,000**	**1,220,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
trans-1,3Dichloropropene	(ug/kg)	*0.3*	**1,510,000**	**1,510,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	**2,260,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Hexachloro-1,3-butadiene	(ug/kg)	NS	**7,450**	**1,630**	--	--	--	--	--	--	--	<26.4	<26.4	<26.4	<26.4
Isopropylbenzene	(ug/kg)	NS	**268,000**	**268,000**	ND	ND	ND	ND	ND	ND	ND	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	**162,000**	<5	<4.7	<4.9	<4.6	<4.5	<4.4	<4.5	<25.0	<25.0	<25.0	<25.0
n-Propylbenzene	(ug/kg)	NS	**264,000**	**264,000**	<5	<4.7	<4.9	<4.6	<4.5	<4.4	<4.5	<25.0	<25.0	<25.0	<25.0
Styrene	(ug/kg)	*220*	**867,000**	**867,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**12,300**	**2,780**	7.0	5.2	<4.9	<4.6	<4.5	5.3	<4.5	<25.0	<25.0	<25.0	<25.0
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.2*	**3,600**	**810**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichlorobenzene	(ug/kg)	NS	**934,000**	**62,600**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**113,000**	**24,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,1,1-Trichlorethane	(ug/kg)	*140.2*	**640,000**	**640,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,1,2-Trichlorethane	(ug/kg)	*3.2*	**7,010**	**1,590**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Trichlorofluoromethane	(ug/kg)	NS	**1,230,000**	**1,120,000**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**109**	**5**	--	--	--	--	--	--	--	<25.0	<25.0	<25.0	<25.0
Diesel Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--
No. of Individual Exceedances (DC)					1	--	--	--	--	--	--	--	--	--	--
Cumulative Hazard Index (DC)			≤1.0		0.4871	--	--	--	--	--	--	--	--	--	--
Cumulative Cancer Risk (DC)			1.00E-05		1.6E-06	--	--	--	--	--	--	--	--	--	--

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

B1: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
NS = No standard established
-- = Parameter not analyzed
NR = Parameter not reported
RCL = Residual Contaminant Level
DC = Direct Contact

(1): Incomplete lab report provided, not all compounds/results able to be verified
(2): Sampled for VOC TCLP; see other tables for results

Table A.2.a
Soil Analytical Results Table - VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	**Non-industrial** Direct-Contact (0-4') RCL (ug/kg)	SB-8		SB-9		SB-10		SB-11		SB-12	
Date					11/13/09		11/13/09		11/13/09		11/12/09		11/12/09	
Depth					2-4'	12-14'	4-6'	12-14'	6-8'	12-14'	6-8'	12-14'	6-8'	12-14'
Description					SILT	SILT	SILT	SILT	SILT	SILT	SILT	SILT	SILT	SILT
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
Saturated (S) or Unsaturated (U)					U	S	U	S	U	S	U	S	U	S
PID Reading					1.7	1.9	46.9	14.6	33.8	17.3	60.4	0.0	1.9	0.0
Notes											MW-5			
Tetrachloroethene (PCE)	(ug/kg)	*4.50*	**145,000**	**33,000**	<25.0	<25.0	*72,000*	*72.6*	*526*	<25.0	*72,200*	*68.3 J*	<25.0	<25.0
Trichloroethene (TCE)	(ug/kg)	*3.60*	**8,410**	**1,300**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	*347 J*	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**2,340,000**	**156,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
trans-1,2-Dichloroethene	(ug/kg)	*62.6*	**1,860,000**	**1,560,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Vinyl Chloride	(ug/kg)	*0.1*	**2,080**	**67**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Methylene Chloride	(ug/kg)	*2.6*	**1,150,000**	**61,800**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Benzene	(ug/kg)	*5.12*	**7,070**	**1,600**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Ethylbenzene	(ug/kg)	*1,570*	**35,400**	**8,020**	<25.0	<25.0	<250	<25.0	<25.0	< 25.0	<250	<25.0	<25.0	<25.0
Toluene	(ug/kg)	*1,107*	**818,000**	**818,000**	<25.0	<25.0	<250	<25.0	<25.0	< 25.0	<250	<25.0	<25.0	<25.0
m&p-Xylene	(ug/kg)	NS	**778,000**	**778,000**	<50.0	<50.0	<500	<50.0	<50.0	<50.0	<500	<50.0	<50.0	<50.0
o-Xylene	(ug/kg)	NS	**434,000**	**434,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Xylenes (TOTAL)	(ug/kg)	*3,960*	**260,000**	**260,000**	<75.0	<75.0	<750	<75.0	<75.0	<75.0	<750	<75.0	<75.0	<75.0
Naphthalene	(ug/kg)	*658*	**24,100**	**5,520**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
MTBE	(ug/kg)	*27*	**282,000**	**63,800**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,2,4-Trimethylbenzene	(ug/kg)	NS	**219,000**	**219,000**	<25.0	<25.0	<250	<25.0	<25.0	< 25.0	<250	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	**182,000**	<25.0	<25.0	<250	<25.0	<25.0	< 25.0	<250	<25.0	<25.0	<25.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	*1,382*	NS	NS	<50.0	<50.0	<500	<50.0	<50.0	<50.0	<500	<50.0	<50.0	<50.0
Bromobenzene	(ug/kg)	NS	**679,000**	**342,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Bromochloromethane	(ug/kg)	NS	**906,000**	**216,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Bromodichloromethane	(ug/kg)	*0.3*	**1,830**	**418**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Bromoform	(ug/kg)	*2.3*	**113,000**	**25,400**	<25.9	<25.9	<259	<25.9	<25.9	<25.9	<259	<25.9	<25.9	<25.9
Bromomethane	(ug/kg)	*5.1*	**43,000**	**9,600**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
n-Butylbenzene	(ug/kg)	NS	**108,000**	**108,000**	<40.4	<40.4	<404	<40.4	<40.4	<40.4	<404	<40.4	<40.4	<40.4
sec-Butylbenzene	(ug/kg)	NS	**145,000**	**145,000**	112	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
tert-Butylbenzene	(ug/kg)	NS	**183,000**	**183,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Carbon Tetrachloride	(ug/kg)	*3.9*	**4,030**	**916**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Chlorobenzene	(ug/kg)	NS	**761,000**	**370,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Chloroethane	(ug/kg)	*226.6*	**2,121,000**	**2,120,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Chloroform	(ug/kg)	*3.3*	**1,980**	**454**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Chloromethane	(ug/kg)	*15.5*	**669,000**	**159,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
2-Chlorotoluene	(ug/kg)	NS	**907,000**	**907,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
4-Chlorotoluene	(ug/kg)	NS	**253,000**	**253,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.2*	**92**	**8**	<82.3	<82.3	<823	<82.3	<82.3	<82.3	<823	<82.3	<82.3	<82.3
Dibromochloromethane	(ug/kg)	*32*	**38,900**	**8,280**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**221**	**50**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Dibromomethane	(ug/kg)	NS	**143,000**	**34,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,2-Dichlorobenzene	(ug/kg)	*1,168*	**376,000**	**376,000**	<44.4	<44.4	<444	<44.4	<44.4	<44.4	<444	<44.4	<44.4	<44.4
1,3-Dichlorobenzene	(ug/kg)	*1,152.8*	**297,000**	**297,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,4-Dichlorobenzene	(ug/kg)	*144*	**16,400**	**3,740**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Dichlorodifluoromethane	(ug/kg)	*3,086.3*	**530,000**	**126,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,1-Dichloroethane	(ug/kg)	*483.4*	**22,200**	**5,060**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,2-Dichloroethane	(ug/kg)	*2.8*	**2,870**	**652**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,1-Dichloroethene	(ug/kg)	*5*	**1,190**	**320,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,2-Dichloropropane	(ug/kg)	*3.3*	**1,780**	**406**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	**1,490,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
2,2-Dichloropropane	(ug/kg)	NS	**191,000**	**191,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,1-Dichloropropene	(ug/kg)	NS	NS	NS	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
cis-1,3-Dichloropropene	(ug/kg)	*0.3*	**1,220,000**	**1,220,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
trans-1,3Dichloropropene	(ug/kg)	*0.3*	**1,510,000**	**1,510,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	**2,260,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Hexachloro-1,3-butadiene	(ug/kg)	NS	**7,450**	**1,630**	<26.4	<26.4	<264	<26.4	<26.4	<26.4	<264	<26.4	<26.4	<26.4
Isopropylbenzene	(ug/kg)	NS	**268,000**	**268,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	**162,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
n-Propylbenzene	(ug/kg)	NS	**264,000**	**264,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Styrene	(ug/kg)	*220*	**867,000**	**867,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**12,300**	**2,780**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.2*	**3,600**	**810**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,2,3-Trichlorobenzene	(ug/kg)	NS	**934,000**	**62,600**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**113,000**	**24,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,1,1-Trichlorethane	(ug/kg)	*140.2*	**640,000**	**640,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,1,2-Trichlorethane	(ug/kg)	*3.2*	**7,010**	**1,590**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Trichlorofluoromethane	(ug/kg)	NS	**1,230,000**	**1,120,000**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**109**	**5**	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0
Diesel Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--
No. of Individual Exceedances (DC)					--	--	--	--	--	--	--	--	--	--
Cumulative Hazard Index (DC)			≤1.0		--	--	--	--	--	--	--	--	--	--
Cumulative Cancer Risk (DC)			1.00E-05		--	--	--	--	--	--	--	--	--	--

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

B1: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
NS = No standard established
-- = Parameter not analyzed
NR = Parameter not reported
RCL = Residual Contaminant Level
DC = Direct Contact

(1): Incomplete lab report provided, not all compounds/results able to be verified
(2): Sampled for VOC TCLP; see other tables for results

Table A.2.a
Soil Analytical Results Table - VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	Non-Industrial Direct-Contact (0-4') RCL (ug/kg)	SB-13		SB-14		HA-1	HA-2	HA-3	HA-4	SB-15	
Date					11/12/09		11/13/09		11/13/09	11/13/09	11/13/09	11/13/09	9/23/10	
Depth					4-6'	14-16'	4-6'	12-14'	5'	5'	5'	5'	6-8'	12-14'
Description					SILT	SILT	SILT	SILT	--	--	--	--	CLAY	CLAY
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
Saturated (S) or Unsaturated (U)					U	S	U	S	U	U	U	U	U	S
PID Reading					0.4	0.1	9.5	17.3	--	--	--	--	0.0	0.0
Notes					MW-4									
Tetrachloroethene (PCE)	(ug/kg)	*4.50*	**145,000**	**33,000**	<25.0	<25.0	<25.0	<25.0	*1,690*	*2,330*	*818*	*76.0*	< 25.0	< 25.0
Trichloroethene (TCE)	(ug/kg)	*3.60*	**8,410**	**1,300**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**2,340,000**	**156,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,2-Dichloroethene	(ug/kg)	*62.6*	**1,860,000**	**1,560,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Vinyl Chloride	(ug/kg)	*0.1*	**2,080**	**67**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Methylene Chloride	(ug/kg)	*2.6*	**1,150,000**	**61,800**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Benzene	(ug/kg)	*5.12*	**7,070**	**1,600**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Ethylbenzene	(ug/kg)	*1,570*	**35,400**	**8,020**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Toluene	(ug/kg)	*1,107*	**818,000**	**818,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	279	<25.0
m&p-Xylene	(ug/kg)	NS	**778,000**	**778,000**	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
o-Xylene	(ug/kg)	NS	**434,000**	**434,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Xylenes (TOTAL)	(ug/kg)	*3,960*	**260,000**	**260,000**	<75.0	<75.0	<75.0	<75.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0
Naphthalene	(ug/kg)	*658*	**24,100**	**5,520**	<25.0	<25.0	<25.0	<25.0	<25.0	118	113	<25.0	<25.0	<25.0
MTBE	(ug/kg)	*27*	**282,000**	**63,800**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trimethylbenzene	(ug/kg)	NS	**219,000**	**219,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	**182,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	*1,382*	NS	NS	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Bromobenzene	(ug/kg)	NS	**679,000**	**342,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromochloromethane	(ug/kg)	NS	**906,000**	**216,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromodichloromethane	(ug/kg)	*0.3*	**1,830**	**418**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromoform	(ug/kg)	*2.3*	**113,000**	**25,400**	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9
Bromomethane	(ug/kg)	*5.1*	**43,000**	**9,600**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Butylbenzene	(ug/kg)	NS	**108,000**	**108,000**	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4
sec-Butylbenzene	(ug/kg)	NS	**145,000**	**145,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
tert-Butylbenzene	(ug/kg)	NS	**183,000**	**183,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Carbon Tetrachloride	(ug/kg)	*3.9*	**4,030**	**916**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chlorobenzene	(ug/kg)	NS	**761,000**	**370,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloroethane	(ug/kg)	*226.6*	**2,121,000**	**2,120,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloroform	(ug/kg)	*3.3*	**1,980**	**454**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloromethane	(ug/kg)	*15.5*	**669,000**	**159,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2-Chlorotoluene	(ug/kg)	NS	**907,000**	**907,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
4-Chlorotoluene	(ug/kg)	NS	**253,000**	**253,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.2*	**92**	**8**	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3
Dibromochloromethane	(ug/kg)	*32*	**38,900**	**8,280**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**221**	**50**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dibromomethane	(ug/kg)	NS	**143,000**	**34,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichlorobenzene	(ug/kg)	*1,168*	**376,000**	**376,000**	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4
1,3-Dichlorobenzene	(ug/kg)	*1,152.8*	**297,000**	**297,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,4-Dichlorobenzene	(ug/kg)	*144*	**16,400**	**3,740**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dichlorodifluoromethane	(ug/kg)	*3,086.3*	**530,000**	**126,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethane	(ug/kg)	*483.4*	**22,200**	**5,060**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloroethane	(ug/kg)	*2.8*	**2,870**	**652**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethene	(ug/kg)	*5*	**1,190**	**320,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloropropane	(ug/kg)	*3.3*	**1,780**	**406**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	**1,490,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2,2-Dichloropropane	(ug/kg)	NS	**191,000**	**191,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloropropene	(ug/kg)	NS	NS	NS	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,3-Dichloropropene	(ug/kg)	*0.3*	**1,220,000**	**1,220,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,3Dichloropropene	(ug/kg)	*0.3*	**1,510,000**	**1,510,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	**2,260,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Hexachloro-1,3-butadiene	(ug/kg)	NS	**7,450**	**1,630**	<26.4	<26.4	<26.4	<26.4	<26.4	<26.4	<26.4	<26.4	<26.4	<26.4
Isopropylbenzene	(ug/kg)	NS	**268,000**	**268,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	**162,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Propylbenzene	(ug/kg)	NS	**264,000**	**264,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Styrene	(ug/kg)	*220*	**867,000**	**867,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**12,300**	**2,780**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.2*	**3,600**	**810**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichlorobenzene	(ug/kg)	NS	**934,000**	**62,600**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**113,000**	**24,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,1-Trichlorethane	(ug/kg)	*140.2*	**640,000**	**640,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2-Trichlorethane	(ug/kg)	*3.2*	**7,010**	**1,590**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trichlorofluoromethane	(ug/kg)	NS	**1,230,000**	**1,120,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**109**	**5**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Diesel Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--
No. of Individual Exceedances (DC)					--	--	--	--	--	--	--	--	--	--
Cumulative Hazard Index (DC)			≤1.0		--	--	--	--	--	--	--	--	--	--
Cumulative Cancer Risk (DC)			1.00E-05		--	--	--	--	--	--	--	--	--	--

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

B1: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
NS = No standard established
-- = Parameter not analyzed
NR = Parameter not reported
RCL = Residual Contaminant Level
DC = Direct Contact

(1): Incomplete lab report provided, not all compounds/results able to be verified
(2): Sampled for VOC TCLP; see other tables for results

Table A.2.a
Soil Analytical Results Table - VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	Non-Industrial Direct-Contact (0-4') RCL (ug/kg)	SB-16		SB-17		HA-5	HA-6	HA-1-4312		HA-2-4312		HA-1-4316	
Date					9/23/10		9/23/10		9/23/10	9/23/10	2/5/14		2/5/14		2/6/14	
Depth					6-8'	12-14'	6-8'	18-20'	5'	5'	1'	1.5'	0.7'	5'	2'	6.5'
Description					CLAY	CLAY	CLAY	CLAY	--	--	CLAY	CLAY	FILL	CLAY	CLAY	CLAY
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
Saturated (S) or Unsaturated (U)					U	S	U	S	U	U	U	S	U	S	S	S
PID Reading					--	--	--	--	--	--	800	3741.1	2404	2253	1777	1413
Notes					MW-7		MW-8				Basement		Basement		Basement	
Tetrachloroethene (PCE)	(ug/kg)	*4.50*	**145,000**	**33,000**	< 25.0	< 25.0	<100	< 25.0	< 25.0	*8,390*	*307,000*	*294,000*	*2,560*	<49	<49	<49
Trichloroethene (TCE)	(ug/kg)	*3.60*	**8,410**	**1,300**	<25.0	<25.0	<100	<25.0	<25.0	*45.3 J*	*700*	*1,080*	<28	<28	<28	<28
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**2,340,000**	**156,000**	<25.0	<25.0	<100	<25.0	<25.0	*48.4 J*	*277*	*680*	<24	<24	<24	<24
trans-1,2-Dichloroethene	(ug/kg)	*62.6*	**1,860,000**	**1,560,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<29	<29	<29	<29	<29	<29
Vinyl Chloride	(ug/kg)	*0.1*	**2,080**	**67**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<21	<21	<21	<21	<21	<21
Methylene Chloride	(ug/kg)	*2.6*	**1,150,000**	**61,800**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<57	<57	<57	<57	<57	<57
Benzene	(ug/kg)	*5.12*	**7,070**	**1,600**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2
Ethylbenzene	(ug/kg)	*1,570*	**35,400**	**8,020**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<10	<10	<10	<10	<10	<10
Toluene	(ug/kg)	*1,107*	**818,000**	**818,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<20	<20	<20	<20	<20	<20
m&p-Xylene	(ug/kg)	NS	**778,000**	**778,000**	<50.0	<50.0	<200	<50.0	<50.0	<50.0	<68	<68	<68	<68	<68	<68
o-Xylene	(ug/kg)	NS	**434,000**	**434,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<31	<31	<31	<31	<31	<31
Xylenes (TOTAL)	(ug/kg)	*3,960*	**260,000**	**260,000**	<25.0	<25.0	<300	<25.0	<25.0	<25.0	<99	<99	<99	<99	<99	<99
Naphthalene	(ug/kg)	*658*	**24,100**	**5,520**	<25.0	<25.0	*2,640*	<25.0	<25.0	<25.0	<114	<114	<114	<114	<114	<114
MTBE	(ug/kg)	*27*	**282,000**	**63,800**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<30	<30	<30	<30	<30	<30
1,2,4-Trimethylbenzene	(ug/kg)	NS	**219,000**	**219,000**	<25.0	<25.0	1,880	<25.0	<25.0	<25.0	<26	<26	<26	<26	<26	<26
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	**182,000**	<25.0	<25.0	594	<25.0	<25.0	<25.0	<26	<26	<26	<26	<26	<26
Trimethylbenzene Total (1,2,4 & 1,3,5-)	(ug/kg)	*1,382*	NS	NS	<50.0	<50.0	*2,474*	<50.0	<50.0	<50.0	<52	<52	<52	<52	<52	<52
Bromobenzene	(ug/kg)	NS	**679,000**	**342,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<13	<13	<13	<13	<13	<13
Bromochloromethane	(ug/kg)	NS	**906,000**	**216,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	--	--	--	--	--	--
Bromodichloromethane	(ug/kg)	*0.3*	**1,830**	**418**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<27	<27	<27	<27	<27	<27
Bromoform	(ug/kg)	*2.3*	**113,000**	**25,400**	<25.9	<25.9	<104	<25.9	<25.9	<25.9	<30	<30	<30	<30	<30	<30
Bromomethane	(ug/kg)	*5.1*	**43,000**	**9,600**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	--	--	--	--	--	--
n-Butylbenzene	(ug/kg)	NS	**108,000**	**108,000**	<40.4	<40.4	<162	<40.4	<40.4	<40.4	<26	<26	<26	<26	<26	<26
sec-Butylbenzene	(ug/kg)	NS	**145,000**	**145,000**	<25.0	<25.0	164 J	<25.0	<25.0	<25.0	<41	<41	<41	<41	<41	<41
tert-Butylbenzene	(ug/kg)	NS	**183,000**	**183,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<20	<20	<20	<20	<20	<20
Carbon Tetrachloride	(ug/kg)	*3.9*	**4,030**	**916**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<25	<25	<25	<25	<25	<25
Chlorobenzene	(ug/kg)	NS	**761,000**	**370,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<16	<16	<16	<16	<16	<16
Chloroethane	(ug/kg)	*226.6*	**2,121,000**	**2,120,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<42	<42	<42	<42	<42	<42
Chloroform	(ug/kg)	*3.3*	**1,980**	**454**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<49	<49	<49	<49	<49	<49
Chloromethane	(ug/kg)	*15.5*	**669,000**	**159,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<181	<181	<181	<181	<181	<181
2-Chlorotoluene	(ug/kg)	NS	**907,000**	**907,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<16	<16	<16	<16	<16	<16
4-Chlorotoluene	(ug/kg)	NS	**253,000**	**253,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<14	<14	<14	<14	<14	<14
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.2*	**92**	**8**	<82.3	<82.3	<329	<82.3	<82.3	<82.3	<48	<48	<48	<48	<48	<48
Dibromochloromethane	(ug/kg)	*32*	**38,900**	**8,280**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<14	<14	<14	<14	<14	<14
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**221**	**50**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<20	<20	<20	<20	<20	<20
Dibromomethane	(ug/kg)	NS	**143,000**	**34,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	--	--	--	--	--	--
1,2-Dichlorobenzene	(ug/kg)	*1,168*	**376,000**	**376,000**	<44.4	<44.4	<178	<44.4	<44.4	<44.4	<38	<38	<38	<38	<38	<38
1,3-Dichlorobenzene	(ug/kg)	*1,152.8*	**297,000**	**297,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<30	<30	<30	<30	<30	<30
1,4-Dichlorobenzene	(ug/kg)	*144*	**16,400**	**3,740**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<33	<33	<33	<33	<33	<33
Dichlorodifluoromethane	(ug/kg)	*3,086.3*	**530,000**	**126,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<57	<57	<57	<57	<57	<57
1,1-Dichloroethane	(ug/kg)	*483.4*	**22,200**	**5,060**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<19	<19	<19	<19	<19	<19
1,2-Dichloroethane	(ug/kg)	*2.8*	**2,870**	**652**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<36	<36	<36	<36	<36	<36
1,1-Dichloroethene	(ug/kg)	*5*	**1,190**	**320,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<21	<21	<21	<21	<21	<21
1,2-Dichloropropane	(ug/kg)	*3.3*	**1,780**	**406**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	**1,490,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<21	<21	<21	<21	<21	<21
2,2-Dichloropropane	(ug/kg)	NS	**191,000**	**191,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<46	<46	<46	<46	<46	<46
1,1-Dichloropropene	(ug/kg)	NS	NS	NS	<25.0	<25.0	<100	<25.0	<25.0	<25.0	--	--	--	--	--	--
cis-1,3-Dichloropropene	(ug/kg)	*0.3*	**1,220,000**	**1,220,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	--	--	--	--	--	--
trans-1,3Dichloropropene	(ug/kg)	*0.3*	**1,510,000**	**1,510,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	--	--	--	--	--	--
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	**2,260,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<11	<11	<11	<11	<11	<11
Hexachloro-1,3-butadiene	(ug/kg)	NS	**7,450**	**1,630**	<26.4	<26.4	<106	<26.4	<26.4	<26.4	<95	<95	<95	<95	<95	<95
Isopropylbenzene	(ug/kg)	NS	**268,000**	**268,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	27.2 J	<25	<25	<25	<25	<25
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	**162,000**	<25.0	<25.0	203 J	<25.0	<25.0	<25.0	<31	<31	<31	<31	<31	<31
n-Propylbenzene	(ug/kg)	NS	**264,000**	**264,000**	<25.0	<25.0	201 J	<25.0	<25.0	<25.0	<24	<24	<24	<24	<24	<24
Styrene	(ug/kg)	*220*	**867,000**	**867,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**12,300**	**2,780**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<23	<23	<23	<23	<23	<23
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.2*	**3,600**	**810**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<12	<12	<12	<12	<12	<12
1,2,3-Trichlorobenzene	(ug/kg)	NS	**934,000**	**62,600**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<129	<129	<129	<129	<129	<129
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**113,000**	**24,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<79	<79	<79	<79	<79	<79
1,1,1-Trichlorethane	(ug/kg)	*140.2*	**640,000**	**640,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<38	<38	<38	<38	<38	<38
1,1,2-Trichlorethane	(ug/kg)	*3.2*	**7,010**	**1,590**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<23	<23	<23	<23	<23	<23
Trichlorofluoromethane	(ug/kg)	NS	**1,230,000**	**1,120,000**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<86	<86	<86	<86	<86	<86
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**109**	**5**	<25.0	<25.0	<100	<25.0	<25.0	<25.0	--	--	--	--	--	--
Diesel Range Organics	(mg/kg)	NS		NS	--	--	908	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	(mg/kg)	NS		NS	--	--	127	--	--	--	--	--	--	--	--	--
No. of Individual Exceedances (DC)					--	--	--	--	--	--	1	1	0	--	--	--
Cumulative Hazard Index (DC)			≤1.0		--	--	--	--	--	--	2.9415	2.8917	0.0235	--	--	--
Cumulative Cancer Risk (DC)			1.00E-05		--	--	--	--	--	--	9.8E-06	9.7E-06	7.8E-08	--	--	--

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

B1: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
NS = No standard established
-- = Parameter not analyzed
NR = Parameter not reported
RCL = Residual Contaminant Level
DC = Direct Contact

(1): Incomplete lab report provided, not all compounds/results able to be verified
(2): Sampled for VOC TCLP; see other tables for results

Table A.2.a
Soil Analytical Results Table - VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	Non-Industrial Direct-Contact (0-4') RCL (ug/kg)	SB-18		SB-19		SB-20		SB-21		SB-22		SB-23	
Date					7/14/15		7/14/15		7/14/15		7/14/15		7/14/15		7/14/15	
Depth					4-6'	10-12'	2-4'	14-16'	6-8'	14-16'	6-8'	10-12'	4-6'	10-12'	6-8'	10-12'
Description					CLAY /SILT	CLAY /SILT	FILL/CLAY/ SILT	CLAY /SILT	CLAY /SILT	CLAY /SILT	CLAY /SILT	CLAY /SILT	CLAY /SILT	CLAY /SILT	CLAY /SILT	CLAY /SILT
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
Saturated (S) or Unsaturated (U)					U	S	U	S	U	S	U	S	U	S	U	S
PID Reading					2.2	0.9	4.5	1.9	2.4	4.0	0.2	0.0	1.2	0.8	3.4	3.0
Notes					1											
Tetrachloroethene (PCE)	(ug/kg)	*4.50*	**145,000**	**33,000**	<54	<54	*73 J*	<54	<54	<54	<54	<54	<54	<54	<54	<54
Trichloroethene (TCE)	(ug/kg)	*3.60*	**8,410**	**1,300**	<42	<42	<42	<42	<42	<42	<42	<42	<42	<42	<42	<42
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**2,340,000**	**156,000**	<21	<21	<21	<21	<21	<21	<21	<21	<21	<21	<21	<21
trans-1,2-Dichloroethene	(ug/kg)	*62.6*	**1,860,000**	**1,560,000**	--	<24	<24	<24	<24	<24	<24	<24	<24	<24	<24	<24
Vinyl Chloride	(ug/kg)	*0.1*	**2,080**	**67**	--	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	(ug/kg)	*2.6*	**1,150,000**	**61,800**	--	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220
Benzene	(ug/kg)	*5.12*	**7,070**	**1,600**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16
Ethylbenzene	(ug/kg)	*1,570*	**35,400**	**8,020**	--	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27
Toluene	(ug/kg)	*1,107*	**818,000**	**818,000**	--	<31	<31	<31	<31	<31	<31	<31	<31	<31	<31	<31
m&p-Xylene	(ug/kg)	NS	**778,000**	**778,000**	--	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
o-Xylene	(ug/kg)	NS	**434,000**	**434,000**	--	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29
Xylenes (TOTAL)	(ug/kg)	*3,960*	**260,000**	**260,000**	--	<99	<99	<99	<99	<99	<99	<99	<99	<99	<99	<99
Naphthalene	(ug/kg)	*658*	**24,100**	**5,520**	--	<87	<87	<87	<87	<87	<87	<87	<87	<87	<87	<87
MTBE	(ug/kg)	*27*	**282,000**	**63,800**	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	(ug/kg)	NS	**219,000**	**219,000**	--	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	**182,000**	--	<89	<89	<89	<89	<89	<89	<89	<89	<89	<89	<89
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	*1,382*	NS	NS	--	<167	<167	<167	<167	<167	<167	<167	<167	<167	<167	<167
Bromobenzene	(ug/kg)	NS	**679,000**	**342,000**	<39	<39	<39	<39	<39	<39	<39	<39	<39	<39	<39	<39
Bromochloromethane	(ug/kg)	NS	**906,000**	**216,000**	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	(ug/kg)	*0.3*	**1,830**	**418**	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15
Bromoform	(ug/kg)	*2.3*	**113,000**	**25,400**	<23	<23	<23	<23	<23	<23	<23	<23	<23	<23	<23	<23
Bromomethane	(ug/kg)	*5.1*	**43,000**	**9,600**	--	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	(ug/kg)	NS	**108,000**	**108,000**	<86	<86	<86	<86	<86	<86	<86	<86	<86	<86	<86	<86
sec-Butylbenzene	(ug/kg)	NS	**145,000**	**145,000**	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36
tert-Butylbenzene	(ug/kg)	NS	**183,000**	**183,000**	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35
Carbon Tetrachloride	(ug/kg)	*3.9*	**4,030**	**916**	<21	<21	<21	<21	<21	<21	<21	<21	<21	<21	<21	<21
Chlorobenzene	(ug/kg)	NS	**761,000**	**370,000**	<39	<39	<39	<39	<39	<39	<39	<39	<39	<39	<39	<39
Chloroethane	(ug/kg)	*226.6*	**2,121,000**	**2,120,000**	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45
Chloroform	(ug/kg)	*3.3*	**1,980**	**454**	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
Chloromethane	(ug/kg)	*15.5*	**669,000**	**159,000**	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
2-Chlorotoluene	(ug/kg)	NS	**907,000**	**907,000**	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29
4-Chlorotoluene	(ug/kg)	NS	**253,000**	**253,000**	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.2*	**92**	**8**	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78
Dibromochloromethane	(ug/kg)	*32*	**38,900**	**8,280**	<31	<31	<31	<31	<31	<31	<31	<31	<31	<31	<31	<31
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**221**	**50**	--	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35
Dibromomethane	(ug/kg)	NS	**143,000**	**34,000**	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	(ug/kg)	*1,168*	**376,000**	**376,000**	<39	<39	<39	<39	<39	<39	<39	<39	<39	<39	<39	<39
1,3-Dichlorobenzene	(ug/kg)	*1,152.8*	**297,000**	**297,000**	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
1,4-Dichlorobenzene	(ug/kg)	*144*	**16,400**	**3,740**	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
Dichlorodifluoromethane	(ug/kg)	*3,086.3*	**530,000**	**126,000**	<43	<43	<43	<43	<43	<43	<43	<43	<43	<43	<43	<43
1,1-Dichloroethane	(ug/kg)	*483.4*	**22,200**	**5,060**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	(ug/kg)	*2.8*	**2,870**	**652**	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
1,1-Dichloroethene	(ug/kg)	*5*	**1,190**	**320,000**	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29
1,2-Dichloropropane	(ug/kg)	*3.3*	**1,780**	**406**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	**1,490,000**	<31	<31	<31	<31	<31	<31	<31	<31	<31	<31	<31	<31
2,2-Dichloropropane	(ug/kg)	NS	**191,000**	**191,000**	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
1,1-Dichloropropene	(ug/kg)	NS	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	(ug/kg)	*0.3*	**1,220,000**	**1,220,000**	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3Dichloropropene	(ug/kg)	*0.3*	**1,510,000**	**1,510,000**	--	--	--	--	--	--	--	--	--	--	--	--
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	**2,260,000**	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12
Hexachloro-1,3-butadiene	(ug/kg)	NS	**7,450**	**1,630**	--	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110
Isopropylbenzene	(ug/kg)	NS	**268,000**	**268,000**	<37	<37	<37	<37	<37	<37	<37	<37	<37	<37	<37	<37
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	**162,000**	--	<56	<56	<56	<56	<56	<56	<56	<56	<56	<56	<56
n-Propylbenzene	(ug/kg)	NS	**264,000**	**264,000**	--	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35
Styrene	(ug/kg)	*220*	**867,000**	**867,000**	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**12,300**	**2,780**	--	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.2*	**3,600**	**810**	--	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13
1,2,3-Trichlorobenzene	(ug/kg)	NS	**934,000**	**62,600**	--	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**113,000**	**24,000**	--	<85	<85	<85	<85	<85	<85	<85	<85	<85	<85	<85
1,1,1-Trichlorethane	(ug/kg)	*140.2*	**640,000**	**640,000**	--	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
1,1,2-Trichlorethane	(ug/kg)	*3.2*	**7,010**	**1,590**	--	<33	<33	<33	<33	<33	<33	<33	<33	<33	<33	<33
Trichlorofluoromethane	(ug/kg)	NS	**1,230,000**	**1,120,000**	--	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**109**	**5**	--	--	--	--	--	--	--	--	--	--	--	--
Diesel Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--	--
No. of Individual Exceedances (DC)					--	--	0	--	--	--	--	--	--	--	--	--
Cumulative Hazard Index (DC)			≤1.0		--	--	0.0007	--	--	--	--	--	--	--	--	--
Cumulative Cancer Risk (DC)			1.00E-05		--	--	2.2E-09	--	--	--	--	--	--	--	--	--

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

B1: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
NS = No standard established
-- = Parameter not analyzed
NR = Parameter not reported
RCL = Residual Contaminant Level
DC = Direct Contact

(1): Incomplete lab report provided, not all compounds/results able to be verified
(2): Sampled for VOC TCLP; see other tables for results

Table A.2.a
Soil Analytical Results Table - VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	**Non-industrial** Direct-Contact (0-4') RCL (ug/kg)	A			B			C				
Date					1/16/18			1/16/18			1/15/18				
Depth					0-0.5'	2-3'	15'	0-0.5'	2-3'	15'	0-0.5'	2-3'	8-9'	15'	20'
Description					CONC.	CLAY	CLAY	CONC.	CLAY	CLAY	CONC.	CLAY	CLAY	CLAY	CLAY
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
Saturated (S) or Unsaturated (U)					U	U	S	U	U	S	U	U	S	S	S
PID Reading					--	27.2	18.6	--	19.1	87.3	--	16.3	2.4	0.2	0.2
Notes					(2)	(2)			(2)		(2)		(2)		
Tetrachloroethene (PCE)	(ug/kg)	*4.50*	**145,000**	**33,000**	*542*	*45,800*	*127,000*	*679*	*69,900*	*460,000*	*517*	*38,500*	*46,100*	*48.6 J*	<25.0
Trichloroethene (TCE)	(ug/kg)	*3.60*	**8,410**	**1,300**	<25.0	<200	*845 J*	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**2,340,000**	**156,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
trans-1,2-Dichloroethene	(ug/kg)	*62.6*	**1,860,000**	**1,560,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Vinyl Chloride	(ug/kg)	*0.1*	**2,080**	**67**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Methylene Chloride	(ug/kg)	*2.6*	**1,150,000**	**61,800**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Benzene	(ug/kg)	*5.12*	**7,070**	**1,600**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Ethylbenzene	(ug/kg)	*1,570*	**35,400**	**8,020**	<25.0	<200	<500	<25.0	<250	<2,000	46.4 J	<200	<200	<25.0	<25.0
Toluene	(ug/kg)	*1,107*	**818,000**	**818,000**	<25.0	<200	<500	<25.0	<250	<2,000	390	<200	<200	<25.0	<25.0
m&p-Xylene	(ug/kg)	NS	**778,000**	**778,000**	<50.0	<400	<1,000	<50.0	<500	<4,000	229	<400	<400	<50.0	<50.0
o-Xylene	(ug/kg)	NS	**434,000**	**434,000**	<25.0	<200	<500	<25.0	<250	<2,000	90.4	<200	<200	<25.0	<25.0
Xylenes (TOTAL)	(ug/kg)	*3,960*	**260,000**	**260,000**	<75.0	<600	<1,500	<75.0	<750	<6,000	319.4	<600	<600	<75.0	<75.0
Naphthalene	(ug/kg)	*658*	**24,100**	**5,520**	<40.0	<320	<801	<40.0	<400	<3,200	<40.0	<320	<320	<40.0	<40.0
MTBE	(ug/kg)	*27*	**282,000**	**63,800**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,2,4-Trimethylbenzene	(ug/kg)	NS	**219,000**	**219,000**	<25.0	<200	<500	<25.0	<250	<2,000	50.2 J	<200	<200	<25.0	<25.0
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	**182,000**	<25.0	<200	<500	<25.0	<250	<2,000	26.0 J	<200	<200	<25.0	<25.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	*1,382*	NS	NS	<50.0	<400	<1,000	<50.0	<500	<4,000	76.2	<400	<400	<50.0	<50.0
Bromobenzene	(ug/kg)	NS	**679,000**	**342,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Bromochloromethane	(ug/kg)	NS	**906,000**	**216,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Bromodichloromethane	(ug/kg)	*0.3*	**1,830**	**418**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Bromoform	(ug/kg)	*2.3*	**113,000**	**25,400**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Bromomethane	(ug/kg)	*5.1*	**43,000**	**9,600**	<69.9	<559	<1,400	<69.9	<699	<5,590	<69.9	<559	<559	<69.9	<69.9
n-Butylbenzene	(ug/kg)	NS	**108,000**	**108,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
sec-Butylbenzene	(ug/kg)	NS	**145,000**	**145,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
tert-Butylbenzene	(ug/kg)	NS	**183,000**	**183,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Carbon Tetrachloride	(ug/kg)	*3.9*	**4,030**	**916**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Chlorobenzene	(ug/kg)	NS	**761,000**	**370,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Chloroethane	(ug/kg)	*226.6*	**2,121,000**	**2,120,000**	<67.0	<536	<1,340	<67.0	<670	<5,360	<67.0	<536	<536	<67.0	<67.0
Chloroform	(ug/kg)	*3.3*	**1,980**	**454**	<46.4	<372	<929	<46.4	<464	<3,720	<46.4	<372	<372	<46.4	<46.4
Chloromethane	(ug/kg)	*15.5*	**669,000**	**159,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
2-Chlorotoluene	(ug/kg)	NS	**907,000**	**907,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
4-Chlorotoluene	(ug/kg)	NS	**253,000**	**253,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.2*	**92**	**8**	<91.2	<730	<1,820	<91.2	<912	<7,300	<91.2	<730	<730	<91.2	<91.2
Dibromochloromethane	(ug/kg)	*32*	**38,900**	**8,280**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**221**	**50**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Dibromomethane	(ug/kg)	NS	**143,000**	**34,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,2-Dichlorobenzene	(ug/kg)	*1,168*	**376,000**	**376,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,3-Dichlorobenzene	(ug/kg)	*1,152.8*	**297,000**	**297,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,4-Dichlorobenzene	(ug/kg)	*144*	**16,400**	**3,740**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Dichlorodifluoromethane	(ug/kg)	*3,086.3*	**530,000**	**126,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,1-Dichloroethane	(ug/kg)	*483.4*	**22,200**	**5,060**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,2-Dichloroethane	(ug/kg)	*2.8*	**2,870**	**652**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,1-Dichloroethene	(ug/kg)	*5*	**1,190**	**320,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,2-Dichloropropane	(ug/kg)	*3.3*	**1,780**	**406**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	**1,490,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
2,2-Dichloropropane	(ug/kg)	NS	**191,000**	**191,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,1-Dichloropropene	(ug/kg)	NS	NS	NS	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
cis-1,3-Dichloropropene	(ug/kg)	*0.3*	**1,220,000**	**1,220,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
trans-1,3Dichloropropene	(ug/kg)	*0.3*	**1,510,000**	**1,510,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	**2,260,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Hexachloro-1,3-butadiene	(ug/kg)	NS	**7,450**	**1,630**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Isopropylbenzene	(ug/kg)	NS	**268,000**	**268,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	**162,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
n-Propylbenzene	(ug/kg)	NS	**264,000**	**264,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Styrene	(ug/kg)	*220*	**867,000**	**867,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**12,300**	**2,780**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.2*	**3,600**	**810**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,2,3-Trichlorobenzene	(ug/kg)	NS	**934,000**	**62,600**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**113,000**	**24,000**	<47.6	<380	<951	<47.6	<476	<3,800	<47.6	<380	<380	<47.6	<47.6
1,1,1-Trichlorethane	(ug/kg)	*140.2*	**640,000**	**640,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,1,2-Trichlorethane	(ug/kg)	*3.2*	**7,010**	**1,590**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Trichlorofluoromethane	(ug/kg)	NS	**1,230,000**	**1,120,000**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**109**	**5**	<25.0	<200	<500	<25.0	<250	<2,000	<25.0	<200	<200	<25.0	<25.0
Diesel Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--
No. of Individual Exceedances (DC)					0	1	--	0	1	--	0	1	--	--	--
Cumulative Hazard Index (DC)			≤1.0		0.005	0.4202	--	0.0062	0.6413	--	0.0047	0.3532	--	--	--
Cumulative Cancer Risk (DC)			1.00E-05		1.6E-08	1.4E-06	--	2.1E-08	2.1E-06	--	1.6E-08	1.2E-06	--	--	--

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

B1: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
NS = No standard established
-- = Parameter not analyzed
NR = Parameter not reported
RCL = Residual Contaminant Level
DC = Direct Contact

(1): Incomplete lab report provided, not all compounds/results able to be verified
(2): Sampled for VOC TCLP; see other tables for results

Table A.2.a
Soil Analytical Results Table - VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	Non-Industrial Direct-Contact (0-4') RCL (ug/kg)	E	F				H			I			
Date					1/16/18	1/15/18				1/16/18			1/15/18			
Depth					0-0.5'	2-3'	8-9'	15'	16'	2-3'	8-9'	15'	2-3'	7'	12'	15'
Description					CONC.	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
Saturated (S) or Unsaturated (U)					U	U	S	S	S	U	S	S	U	U	S	S
PID Reading					--	5.2	286	10.1	--	0.0	0.0	0.0	4.7	1.0	5.2	8.6
Notes					(2)						(2)					
Tetrachloroethene (PCE)	(ug/kg)	*4.50*	**145,000**	**33,000**	*2,120*	*11,800*	*19,100,000*	*2,070*	*416*	<25.0	*5,160*	<25.0	*38,500*	*14,600*	*752*	*4,030*
Trichloroethene (TCE)	(ug/kg)	*3.60*	**8,410**	**1,300**	<25.0	<50.0	<62,500	*86.3*	<25.0	<25.0	*129*	<25.0	<200	<62.5	<25.0	<25.0
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**2,340,000**	**156,000**	<25.0	<50.0	<62,500	*41.4 J*	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
trans-1,2-Dichloroethene	(ug/kg)	*62.6*	**1,860,000**	**1,560,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Vinyl Chloride	(ug/kg)	*0.1*	**2,080**	**67**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Methylene Chloride	(ug/kg)	*2.6*	**1,150,000**	**61,800**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Benzene	(ug/kg)	*5.12*	**7,070**	**1,600**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Ethylbenzene	(ug/kg)	*1,570*	**35,400**	**8,020**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Toluene	(ug/kg)	*1,107*	**818,000**	**818,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
m&p-Xylene	(ug/kg)	NS	**778,000**	**778,000**	<50.0	<100	<125,000	<50.0	<50.0	<50.0	<50.0	<50.0	<400	<125	<50.0	<50.0
o-Xylene	(ug/kg)	NS	**434,000**	**434,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Xylenes (TOTAL)	(ug/kg)	*3,960*	**260,000**	**260,000**	<75.0	<150	<187,500	<75.0	<75.0	<75.0	<75.0	<75.0	<600	<187.5	<75.0	<75.0
Naphthalene	(ug/kg)	*658*	**24,100**	**5,520**	<40.0	<80.1	<100,000	<40.0	<40.0	<40.0	<40.0	<40.0	<320	<100	<40.0	<40.0
MTBE	(ug/kg)	*27*	**282,000**	**63,800**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,2,4-Trimethylbenzene	(ug/kg)	NS	**219,000**	**219,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	**182,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	*1,382*	NS	NS	<50.0	<100	<125,000	<50.0	<50.0	<50.0	<50.0	<50.0	<400	<125	<50.0	<50.0
Bromobenzene	(ug/kg)	NS	**679,000**	**342,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Bromochloromethane	(ug/kg)	NS	**906,000**	**216,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Bromodichloromethane	(ug/kg)	*0.3*	**1,830**	**418**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Bromoform	(ug/kg)	*2.3*	**113,000**	**25,400**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Bromomethane	(ug/kg)	*5.1*	**43,000**	**9,600**	<69.9	<140	<175,000	<69.9	<69.9	<69.9	<69.9	<69.9	<559	<175	<69.9	<69.9
n-Butylbenzene	(ug/kg)	NS	**108,000**	**108,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
sec-Butylbenzene	(ug/kg)	NS	**145,000**	**145,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
tert-Butylbenzene	(ug/kg)	NS	**183,000**	**183,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Carbon Tetrachloride	(ug/kg)	*3.9*	**4,030**	**916**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Chlorobenzene	(ug/kg)	NS	**761,000**	**370,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Chloroethane	(ug/kg)	*226.6*	**2,121,000**	**2,120,000**	<67.0	<134	<168,000	<67.0	<67.0	<67.0	<67.0	<67.0	<536	<138	<67.0	<67.0
Chloroform	(ug/kg)	*3.3*	**1,980**	**454**	<46.4	<92.9	<116,000	<46.4	<46.4	<46.4	<46.4	<46.4	<372	<116	<46.4	<46.4
Chloromethane	(ug/kg)	*15.5*	**669,000**	**159,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
2-Chlorotoluene	(ug/kg)	NS	**907,000**	**907,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
4-Chlorotoluene	(ug/kg)	NS	**253,000**	**253,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.2*	**92**	**8**	<91.2	<182	<228,000	<91.2	<91.2	<91.2	<91.2	<91.2	<730	<228	<91.2	<91.2
Dibromochloromethane	(ug/kg)	*32*	**38,900**	**8,280**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**221**	**50**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Dibromomethane	(ug/kg)	NS	**143,000**	**34,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,2-Dichlorobenzene	(ug/kg)	*1,168*	**376,000**	**376,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,3-Dichlorobenzene	(ug/kg)	*1,152.8*	**297,000**	**297,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,4-Dichlorobenzene	(ug/kg)	*144*	**16,400**	**3,740**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Dichlorodifluoromethane	(ug/kg)	*3,086.3*	**530,000**	**126,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,1-Dichloroethane	(ug/kg)	*483.4*	**22,200**	**5,060**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,2-Dichloroethane	(ug/kg)	*2.8*	**2,870**	**652**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,1-Dichloroethene	(ug/kg)	*5*	**1,190**	**320,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,2-Dichloropropane	(ug/kg)	*3.3*	**1,780**	**406**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	**1,490,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
2,2-Dichloropropane	(ug/kg)	NS	**191,000**	**191,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,1-Dichloropropene	(ug/kg)	NS	NS	NS	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
cis-1,3-Dichloropropene	(ug/kg)	*0.3*	**1,220,000**	**1,220,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
trans-1,3Dichloropropene	(ug/kg)	*0.3*	**1,510,000**	**1,510,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	**2,260,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Hexachloro-1,3-butadiene	(ug/kg)	NS	**7,450**	**1,630**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Isopropylbenzene	(ug/kg)	NS	**268,000**	**268,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	**162,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
n-Propylbenzene	(ug/kg)	NS	**264,000**	**264,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Styrene	(ug/kg)	*220*	**867,000**	**867,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**12,300**	**2,780**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.2*	**3,600**	**810**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,2,3-Trichlorobenzene	(ug/kg)	NS	**934,000**	**62,600**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**113,000**	**24,000**	<47.6	<95.1	<119,000	<47.6	<47.6	<47.6	<47.6	<47.6	<380	<119	<47.6	<47.6
1,1,1-Trichlorethane	(ug/kg)	*140.2*	**640,000**	**640,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,1,2-Trichlorethane	(ug/kg)	*3.2*	**7,010**	**1,590**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Trichlorofluoromethane	(ug/kg)	NS	**1,230,000**	**1,120,000**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**109**	**5**	<25.0	<50.0	<62,500	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<62.5	<25.0	<25.0
Diesel Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--	--
No. of Individual Exceedances (DC)					0	0	--	--	--	--	--	--	1	--	--	--
Cumulative Hazard Index (DC)			≤1.0		0.0194	0.1083	--	--	--	--	--	--	0.3532	--	--	--
Cumulative Cancer Risk (DC)			1.00E-05		6.4E-08	3.6E-07	--	--	--	--	--	--	1.2E-06	--	--	--

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

B1: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
NS = No standard established
-- = Parameter not analyzed
NR = Parameter not reported
RCL = Residual Contaminant Level
DC = Direct Contact

(1): Incomplete lab report provided, not all compounds/results able to be verified
(2): Sampled for VOC TCLP; see other tables for results

Table A.2.a
Soil Analytical Results Table - VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	Non-Industrial Direct-Contact (0-4') RCL (ug/kg)	J				K				L			
Date					1/15/18				1/15/18				1/15/18			
Depth					2-3'	7'	12'	15'	3'	6'	10'	15'	3'	6'	10'	15'
Description					CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
Saturated (S) or Unsaturated (U)					U	U	S	S	U	U	S	S	U	U	S	S
PID Reading					0.7	2.2	16.1	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Notes						(2)										
Tetrachloroethene (PCE)	(ug/kg)	*4.50*	**145,000**	**33,000**	*159*	*27,300*	*31,400*	*50,400*	*3,490*	*3,530*	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trichloroethene (TCE)	(ug/kg)	*3.60*	**8,410**	**1,300**	<25.0	<132	<125	<200	*162*	*172*	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**2,340,000**	**156,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,2-Dichloroethene	(ug/kg)	*62.6*	**1,860,000**	**1,560,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Vinyl Chloride	(ug/kg)	*0.1*	**2,080**	**67**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Methylene Chloride	(ug/kg)	*2.6*	**1,150,000**	**61,800**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Benzene	(ug/kg)	*5.12*	**7,070**	**1,600**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Ethylbenzene	(ug/kg)	*1,570*	**35,400**	**8,020**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Toluene	(ug/kg)	*1,107*	**818,000**	**818,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
m&p-Xylene	(ug/kg)	NS	**778,000**	**778,000**	<50.0	<263	<250	<400	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
o-Xylene	(ug/kg)	NS	**434,000**	**434,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Xylenes (TOTAL)	(ug/kg)	*3,960*	**260,000**	**260,000**	<75.0	<395	<375	<600	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0
Naphthalene	(ug/kg)	*658*	**24,100**	**5,520**	<40.0	<211	<200	<320	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
MTBE	(ug/kg)	*27*	**282,000**	**63,800**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trimethylbenzene	(ug/kg)	NS	**219,000**	**219,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	**182,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trimethylbenzene Total (1,2,4 & 1,3,5-)	(ug/kg)	*1,382*	NS	NS	<50.0	<264	<250	<400	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Bromobenzene	(ug/kg)	NS	**679,000**	**342,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromochloromethane	(ug/kg)	NS	**906,000**	**216,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromodichloromethane	(ug/kg)	*0.3*	**1,830**	**418**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromoform	(ug/kg)	*2.3*	**113,000**	**25,400**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromomethane	(ug/kg)	*5.1*	**43,000**	**9,600**	<69.9	<368	<350	<559	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9
n-Butylbenzene	(ug/kg)	NS	**108,000**	**108,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
sec-Butylbenzene	(ug/kg)	NS	**145,000**	**145,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
tert-Butylbenzene	(ug/kg)	NS	**183,000**	**183,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Carbon Tetrachloride	(ug/kg)	*3.9*	**4,030**	**916**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chlorobenzene	(ug/kg)	NS	**761,000**	**370,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloroethane	(ug/kg)	*226.6*	**2,121,000**	**2,120,000**	<67.0	<353	<335	<536	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0
Chloroform	(ug/kg)	*3.3*	**1,980**	**454**	<46.4	<244	<232	<372	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4
Chloromethane	(ug/kg)	*15.5*	**669,000**	**159,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2-Chlorotoluene	(ug/kg)	NS	**907,000**	**907,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
4-Chlorotoluene	(ug/kg)	NS	**253,000**	**253,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.2*	**92**	**8**	<91.2	<480	<456	<730	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2
Dibromochloromethane	(ug/kg)	*32*	**38,900**	**8,280**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**221**	**50**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dibromomethane	(ug/kg)	NS	**143,000**	**34,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichlorobenzene	(ug/kg)	*1,168*	**376,000**	**376,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichlorobenzene	(ug/kg)	*1,152.8*	**297,000**	**297,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,4-Dichlorobenzene	(ug/kg)	*144*	**16,400**	**3,740**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dichlorodifluoromethane	(ug/kg)	*3,086.3*	**530,000**	**126,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethane	(ug/kg)	*483.4*	**22,200**	**5,060**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloroethane	(ug/kg)	*2.8*	**2,870**	**652**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethene	(ug/kg)	*5*	**1,190**	**320,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloropropane	(ug/kg)	*3.3*	**1,780**	**406**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	**1,490,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2,2-Dichloropropane	(ug/kg)	NS	**191,000**	**191,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloropropene	(ug/kg)	NS	NS	NS	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,3-Dichloropropene	(ug/kg)	*0.3*	**1,220,000**	**1,220,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,3Dichloropropene	(ug/kg)	*0.3*	**1,510,000**	**1,510,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	**2,260,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Hexachloro-1,3-butadiene	(ug/kg)	NS	**7,450**	**1,630**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Isopropylbenzene	(ug/kg)	NS	**268,000**	**268,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	**162,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Propylbenzene	(ug/kg)	NS	**264,000**	**264,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Styrene	(ug/kg)	*220*	**867,000**	**867,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**12,300**	**2,780**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.2*	**3,600**	**810**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichlorobenzene	(ug/kg)	NS	**934,000**	**62,600**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**113,000**	**24,000**	<47.6	<250	<238	<380	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6
1,1,1-Trichlorethane	(ug/kg)	*140.2*	**640,000**	**640,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2-Trichlorethane	(ug/kg)	*3.2*	**7,010**	**1,590**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trichlorofluoromethane	(ug/kg)	NS	**1,230,000**	**1,120,000**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**109**	**5**	<25.0	<132	<125	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Diesel Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--	--
No. of Individual Exceedances (DC)					0	--	--	--	0	--	--	--	--	--	--	--
Cumulative Hazard Index (DC)			≤1.0		0.0015	--	--	--	0.0605	--	--	--	--	--	--	--
Cumulative Cancer Risk (DC)			1.00E-05		4.8E-09	--	--	--	2.3E-07	--	--	--	--	--	--	--

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

B1: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
NS = No standard established
-- = Parameter not analyzed
NR = Parameter not reported
RCL = Residual Contaminant Level
DC = Direct Contact

(1): Incomplete lab report provided, not all compounds/results able to be verified
(2): Sampled for VOC TCLP; see other tables for results

Table A.2.a
Soil Analytical Results Table - VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	Non-Industrial Direct-Contact (0-4') RCL (ug/kg)	M					N				O		
Date					1/15/18					1/15/18				1/15/18		
Depth					0-0.5'	2-3'	5-6'	9-10'	15'	2-3'	5-6'	9-10'	15'	2'	6'	10'
Description					CONC.	CLAYEY GRVL	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
Saturated (S) or Unsaturated (U)					U	U	U	S	S	U	U	S	S	U	U	S
PID Reading					--	1.9	20.3	25.8	90.4	0.0	0.0	0.0	0.0	0.2	0.9	0.0
Notes					(2)		(2)									
Tetrachloroethene (PCE)	(ug/kg)	*4.50*	**145,000**	**33,000**	*402*	*9,190*	*81,000*	*518,000*	*692,000*	*226*	<25.0	<25.0	<25.0	*446*	<25.0	<25.0
Trichloroethene (TCE)	(ug/kg)	*3.60*	**8,410**	**1,300**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**2,340,000**	**156,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,2-Dichloroethene	(ug/kg)	*62.6*	**1,860,000**	**1,560,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Vinyl Chloride	(ug/kg)	*0.1*	**2,080**	**67**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Methylene Chloride	(ug/kg)	*2.6*	**1,150,000**	**61,800**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Benzene	(ug/kg)	*5.12*	**7,070**	**1,600**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Ethylbenzene	(ug/kg)	*1,570*	**35,400**	**8,020**	30.9 J	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Toluene	(ug/kg)	*1,107*	**818,000**	**818,000**	220	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
m&p-Xylene	(ug/kg)	NS	**778,000**	**778,000**	146	<100	<1,000	<6,250	<6,250	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
o-Xylene	(ug/kg)	NS	**434,000**	**434,000**	48.6 J	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Xylenes (TOTAL)	(ug/kg)	*3,960*	**260,000**	**260,000**	194.6	<150	<1,500	<9,370	<9,370	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0
Naphthalene	(ug/kg)	*658*	**24,100**	**5,520**	<40.0	<80.1	<801	<5,010	<5,010	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
MTBE	(ug/kg)	*27*	**282,000**	**63,800**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trimethylbenzene	(ug/kg)	NS	**219,000**	**219,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	**182,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	*1,382*	NS	NS	<50.0	<100	<1,000	<6,240	<6,240	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Bromobenzene	(ug/kg)	NS	**679,000**	**342,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromochloromethane	(ug/kg)	NS	**906,000**	**216,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromodichloromethane	(ug/kg)	*0.3*	**1,830**	**418**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromoform	(ug/kg)	*2.3*	**113,000**	**25,400**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromomethane	(ug/kg)	*5.1*	**43,000**	**9,600**	<69.9	<140	<1,400	<8,740	<8,740	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9
n-Butylbenzene	(ug/kg)	NS	**108,000**	**108,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
sec-Butylbenzene	(ug/kg)	NS	**145,000**	**145,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	33.8 J	<25.0
tert-Butylbenzene	(ug/kg)	NS	**183,000**	**183,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Carbon Tetrachloride	(ug/kg)	*3.9*	**4,030**	**916**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chlorobenzene	(ug/kg)	NS	**761,000**	**370,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloroethane	(ug/kg)	*226.6*	**2,121,000**	**2,120,000**	<67.0	<134	<1,340	<8,380	<8,380	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0
Chloroform	(ug/kg)	*3.3*	**1,980**	**454**	<46.4	<92.9	<929	<5,810	<5,810	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4
Chloromethane	(ug/kg)	*15.5*	**669,000**	**159,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2-Chlorotoluene	(ug/kg)	NS	**907,000**	**907,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
4-Chlorotoluene	(ug/kg)	NS	**253,000**	**253,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.2*	**92**	**8**	<91.2	<182	<1,820	<11,400	<11,400	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2
Dibromochloromethane	(ug/kg)	*32*	**38,900**	**8,280**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**221**	**50**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dibromomethane	(ug/kg)	NS	**143,000**	**34,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichlorobenzene	(ug/kg)	*1,168*	**376,000**	**376,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichlorobenzene	(ug/kg)	*1,152.8*	**297,000**	**297,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,4-Dichlorobenzene	(ug/kg)	*144*	**16,400**	**3,740**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dichlorodifluoromethane	(ug/kg)	*3,086.3*	**530,000**	**126,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethane	(ug/kg)	*483.4*	**22,200**	**5,060**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloroethane	(ug/kg)	*2.8*	**2,870**	**652**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethene	(ug/kg)	*5*	**1,190**	**320,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloropropane	(ug/kg)	*3.3*	**1,780**	**406**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	**1,490,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2,2-Dichloropropane	(ug/kg)	NS	**191,000**	**191,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloropropene	(ug/kg)	NS	NS	NS	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,3-Dichloropropene	(ug/kg)	*0.3*	**1,220,000**	**1,220,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,3Dichloropropene	(ug/kg)	*0.3*	**1,510,000**	**1,510,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	**2,260,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Hexachloro-1,3-butadiene	(ug/kg)	NS	**7,450**	**1,630**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Isopropylbenzene	(ug/kg)	NS	**268,000**	**268,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	88.9	<25.0
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	**162,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Propylbenzene	(ug/kg)	NS	**264,000**	**264,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	39.9 J	<25.0
Styrene	(ug/kg)	*220*	**867,000**	**867,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**12,300**	**2,780**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.2*	**3,600**	**810**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichlorobenzene	(ug/kg)	NS	**934,000**	**62,600**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**113,000**	**24,000**	<47.6	<95.1	<951	<5,940	<5,940	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6
1,1,1-Trichlorethane	(ug/kg)	*140.2*	**640,000**	**640,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2-Trichlorethane	(ug/kg)	*3.2*	**7,010**	**1,590**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trichlorofluoromethane	(ug/kg)	NS	**1,230,000**	**1,120,000**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**109**	**5**	<25.0	<50.0	<500	<3,120	<3,120	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Diesel Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--	--
No. of Individual Exceedances (DC)					0	0	--	--	--	0	--	--	--	0	--	--
Cumulative Hazard Index (DC)			≤1.0		0.0037	0.0843	--	--	--	0.0021	--	--	--	0.0041	--	--
Cumulative Cancer Risk (DC)			1.00E-05		1.2E-08	2.8E-07	--	--	--	6.8E-09	--	--	--	1.4E-08	--	--

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

B1: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
NS = No standard established
-- = Parameter not analyzed
NR = Parameter not reported
RCL = Residual Contaminant Level
DC = Direct Contact

(1): Incomplete lab report provided, not all compounds/results able to be verified
(2): Sampled for VOC TCLP; see other tables for results

Table A.2.a
Soil Analytical Results Table - VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	Non-industrial Direct-Contact (0-4') RCL (ug/kg)	P			Q			R			S		
Date					1/15/18			1/15/18			1/15/18			1/15/18		
Depth					2'	6'	10'	2'	6'	10'	2'	6'	10'	2'	6'	10'
Description					CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
Saturated (S) or Unsaturated (U)					U	U	S	U	U	S	U	U	S	U	U	S
PID Reading					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Notes																
Tetrachloroethene (PCE)	(ug/kg)	*4.50*	**145,000**	**33,000**	*156*	*132*	*403*	*335*	*37.8 J*	<25.0	*69.1 J*	<25.0	<25.0	*186*	<25.0	*62.3 J*
Trichloroethene (TCE)	(ug/kg)	*3.60*	**8,410**	**1,300**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**2,340,000**	**156,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,2-Dichloroethene	(ug/kg)	*62.6*	**1,860,000**	**1,560,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Vinyl Chloride	(ug/kg)	*0.1*	**2,080**	**67**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Methylene Chloride	(ug/kg)	*2.6*	**1,150,000**	**61,800**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Benzene	(ug/kg)	*5.12*	**7,070**	**1,600**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Ethylbenzene	(ug/kg)	*1,570*	**35,400**	**8,020**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Toluene	(ug/kg)	*1,107*	**818,000**	**818,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
m&p-Xylene	(ug/kg)	NS	**778,000**	**778,000**	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
o-Xylene	(ug/kg)	NS	**434,000**	**434,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Xylenes (TOTAL)	(ug/kg)	*3,960*	**260,000**	**260,000**	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0
Naphthalene	(ug/kg)	*658*	**24,100**	**5,520**	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
MTBE	(ug/kg)	*27*	**282,000**	**63,800**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trimethylbenzene	(ug/kg)	NS	**219,000**	**219,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	**182,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	*1,382*	NS	NS	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Bromobenzene	(ug/kg)	NS	**679,000**	**342,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromochloromethane	(ug/kg)	NS	**906,000**	**216,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromodichloromethane	(ug/kg)	*0.3*	**1,830**	**418**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromoform	(ug/kg)	*2.3*	**113,000**	**25,400**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromomethane	(ug/kg)	*5.1*	**43,000**	**9,600**	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9
n-Butylbenzene	(ug/kg)	NS	**108,000**	**108,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
sec-Butylbenzene	(ug/kg)	NS	**145,000**	**145,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
tert-Butylbenzene	(ug/kg)	NS	**183,000**	**183,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Carbon Tetrachloride	(ug/kg)	*3.9*	**4,030**	**916**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chlorobenzene	(ug/kg)	NS	**761,000**	**370,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloroethane	(ug/kg)	*226.6*	**2,121,000**	**2,120,000**	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0
Chloroform	(ug/kg)	*3.3*	**1,980**	**454**	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4
Chloromethane	(ug/kg)	*15.5*	**669,000**	**159,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2-Chlorotoluene	(ug/kg)	NS	**907,000**	**907,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
4-Chlorotoluene	(ug/kg)	NS	**253,000**	**253,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.2*	**92**	**8**	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2
Dibromochloromethane	(ug/kg)	*32*	**38,900**	**8,280**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**221**	**50**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dibromomethane	(ug/kg)	NS	**143,000**	**34,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichlorobenzene	(ug/kg)	*1,168*	**376,000**	**376,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichlorobenzene	(ug/kg)	*1,152.8*	**297,000**	**297,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,4-Dichlorobenzene	(ug/kg)	*144*	**16,400**	**3,740**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dichlorodifluoromethane	(ug/kg)	*3,086.3*	**530,000**	**126,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethane	(ug/kg)	*483.4*	**22,200**	**5,060**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloroethane	(ug/kg)	*2.8*	**2,870**	**652**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethene	(ug/kg)	*5*	**1,190**	**320,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloropropane	(ug/kg)	*3.3*	**1,780**	**406**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	**1,490,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2,2-Dichloropropane	(ug/kg)	NS	**191,000**	**191,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloropropene	(ug/kg)	NS	NS	NS	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,3-Dichloropropene	(ug/kg)	*0.3*	**1,220,000**	**1,220,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,3Dichloropropene	(ug/kg)	*0.3*	**1,510,000**	**1,510,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	**2,260,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Hexachloro-1,3-butadiene	(ug/kg)	NS	**7,450**	**1,630**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Isopropylbenzene	(ug/kg)	NS	**268,000**	**268,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	**162,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Propylbenzene	(ug/kg)	NS	**264,000**	**264,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Styrene	(ug/kg)	*220*	**867,000**	**867,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**12,300**	**2,780**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.2*	**3,600**	**810**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichlorobenzene	(ug/kg)	NS	**934,000**	**62,600**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**113,000**	**24,000**	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6
1,1,1-Trichlorethane	(ug/kg)	*140.2*	**640,000**	**640,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2-Trichlorethane	(ug/kg)	*3.2*	**7,010**	**1,590**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trichlorofluoromethane	(ug/kg)	NS	**1,230,000**	**1,120,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**109**	**5**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Diesel Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--	--
No. of Individual Exceedances (DC)					0	--	--	0	--	--	0	--	--	0	--	--
Cumulative Hazard Index (DC)			≤1.0		0.0014	--	--	0.0031	--	--	0.0006	--	--	0.0017	--	--
Cumulative Cancer Risk (DC)			1.00E-05		4.7E-09	--	--	1.0E-08	--	--	2.1E-09	--	--	5.6E-09	--	--

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

B1: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
NS = No standard established
-- = Parameter not analyzed
NR = Parameter not reported
RCL = Residual Contaminant Level
DC = Direct Contact

(1): Incomplete lab report provided, not all compounds/results able to be verified
(2): Sampled for VOC TCLP; see other tables for results

Table A.2.a
Soil Analytical Results Table - VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	Non-Industrial Direct-Contact (0-4') RCL (ug/kg)	T				U				V		
Date					1/15/18				1/15/18				1/15/18		
Depth					2-3'	5-6'	9-10'	15'	2-3'	5-6'	9-10'	15'	2'	6'	10'
Description					CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
Saturated (S) or Unsaturated (U)					U	U	S	S	U	U	S	S	U	U	S
PID Reading					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Notes															
Tetrachloroethene (PCE)	(ug/kg)	*4.50*	**145,000**	**33,000**	<25.0	<25.0	<25.0	*49.3 J*	*242*	<25.0	*754*	*89.4*	*338*	*77.2*	*45.8 J*
Trichloroethene (TCE)	(ug/kg)	*3.60*	**8,410**	**1,300**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	*104*	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**2,340,000**	**156,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	37.9 J	<25.0	<25.0	<25.0	<25.0
trans-1,2-Dichloroethene	(ug/kg)	*62.6*	**1,860,000**	**1,560,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Vinyl Chloride	(ug/kg)	*0.1*	**2,080**	**67**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Methylene Chloride	(ug/kg)	*2.6*	**1,150,000**	**61,800**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Benzene	(ug/kg)	*5.12*	**7,070**	**1,600**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Ethylbenzene	(ug/kg)	*1,570*	**35,400**	**8,020**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Toluene	(ug/kg)	*1,107*	**818,000**	**818,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
m&p-Xylene	(ug/kg)	NS	**778,000**	**778,000**	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
o-Xylene	(ug/kg)	NS	**434,000**	**434,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Xylenes (TOTAL)	(ug/kg)	*3,960*	**260,000**	**260,000**	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0
Naphthalene	(ug/kg)	*658*	**24,100**	**5,520**	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
MTBE	(ug/kg)	*27*	**282,000**	**63,800**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trimethylbenzene	(ug/kg)	NS	**219,000**	**219,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	**182,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trimethylbenzene Total (1,2,4 & 1,3,5-)	(ug/kg)	*1,382*	NS	NS	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Bromobenzene	(ug/kg)	NS	**679,000**	**342,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromochloromethane	(ug/kg)	NS	**906,000**	**216,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromodichloromethane	(ug/kg)	*0.3*	**1,830**	**418**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromoform	(ug/kg)	*2.3*	**113,000**	**25,400**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromomethane	(ug/kg)	*5.1*	**43,000**	**9,600**	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9
n-Butylbenzene	(ug/kg)	NS	**108,000**	**108,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
sec-Butylbenzene	(ug/kg)	NS	**145,000**	**145,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
tert-Butylbenzene	(ug/kg)	NS	**183,000**	**183,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Carbon Tetrachloride	(ug/kg)	*3.9*	**4,030**	**916**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chlorobenzene	(ug/kg)	NS	**761,000**	**370,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloroethane	(ug/kg)	*226.6*	**2,121,000**	**2,120,000**	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0
Chloroform	(ug/kg)	*3.3*	**1,980**	**454**	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4
Chloromethane	(ug/kg)	*15.5*	**669,000**	**159,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2-Chlorotoluene	(ug/kg)	NS	**907,000**	**907,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
4-Chlorotoluene	(ug/kg)	NS	**253,000**	**253,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.2*	**92**	**8**	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2
Dibromochloromethane	(ug/kg)	*32*	**38,900**	**8,280**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**221**	**50**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dibromomethane	(ug/kg)	NS	**143,000**	**34,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichlorobenzene	(ug/kg)	*1,168*	**376,000**	**376,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichlorobenzene	(ug/kg)	*1,152.8*	**297,000**	**297,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,4-Dichlorobenzene	(ug/kg)	*144*	**16,400**	**3,740**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dichlorodifluoromethane	(ug/kg)	*3,086.3*	**530,000**	**126,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethane	(ug/kg)	*483.4*	**22,200**	**5,060**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloroethane	(ug/kg)	*2.8*	**2,870**	**652**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethene	(ug/kg)	*5*	**1,190**	**320,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloropropane	(ug/kg)	*3.3*	**1,780**	**406**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	**1,490,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2,2-Dichloropropane	(ug/kg)	NS	**191,000**	**191,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloropropene	(ug/kg)	NS	NS	NS	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,3-Dichloropropene	(ug/kg)	*0.3*	**1,220,000**	**1,220,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,3Dichloropropene	(ug/kg)	*0.3*	**1,510,000**	**1,510,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	**2,260,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Hexachloro-1,3-butadiene	(ug/kg)	NS	**7,450**	**1,630**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Isopropylbenzene	(ug/kg)	NS	**268,000**	**268,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	**162,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Propylbenzene	(ug/kg)	NS	**264,000**	**264,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Styrene	(ug/kg)	*220*	**867,000**	**867,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**12,300**	**2,780**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.2*	**3,600**	**810**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichlorobenzene	(ug/kg)	NS	**934,000**	**62,600**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**113,000**	**24,000**	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6
1,1,1-Trichlorethane	(ug/kg)	*140.2*	**640,000**	**640,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2-Trichlorethane	(ug/kg)	*3.2*	**7,010**	**1,590**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trichlorofluoromethane	(ug/kg)	NS	**1,230,000**	**1,120,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**109**	**5**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Diesel Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--	--	--	--	--
No. of Individual Exceedances (DC)					--	--	--	--	0	--	--	--	0	--	--
Cumulative Hazard Index (DC)			≤1.0		--	--	--	--	0.0022	--	--	--	0.0031	--	--
Cumulative Cancer Risk (DC)			1.00E-05		--	--	--	--	7.3E-09	--	--	--	1.0E-08	--	--

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

B1: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
NS = No standard established
-- = Parameter not analyzed
NR = Parameter not reported
RCL = Residual Contaminant Level
DC = Direct Contact

(1): Incomplete lab report provided, not all compounds/results able to be verified
(2): Sampled for VOC TCLP; see other tables for results

Table A.2.a
Soil Analytical Results Table - VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	Non-Industrial Direct-Contact (0-4') RCL (ug/kg)	W			X			Trip Blank
Date					1/15/18			1/16/18			1/16/18
Depth					2-3'	7-8'	12'	2-3'	7-8'	9'	--
Description					CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	--
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	--
Saturated (S) or Unsaturated (U)					U	U	S	U	U	S	--
PID Reading					0.0	0.0	0.0	0.0	0.0	0.0	--
Notes											
Tetrachloroethene (PCE)	(ug/kg)	*4.50*	**145,000**	**33,000**	*136*	*490*	<25.0	*154*	<25.0	<25.0	<25.0
Trichloroethene (TCE)	(ug/kg)	*3.60*	**8,410**	**1,300**	<25.0	*35.9 J*	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**2,340,000**	**156,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,2-Dichloroethene	(ug/kg)	*62.6*	**1,860,000**	**1,560,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Vinyl Chloride	(ug/kg)	*0.1*	**2,080**	**67**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Methylene Chloride	(ug/kg)	*2.6*	**1,150,000**	**61,800**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Benzene	(ug/kg)	*5.12*	**7,070**	**1,600**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Ethylbenzene	(ug/kg)	*1,570*	**35,400**	**8,020**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Toluene	(ug/kg)	*1,107*	**818,000**	**818,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
m&p-Xylene	(ug/kg)	NS	**778,000**	**778,000**	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
o-Xylene	(ug/kg)	NS	**434,000**	**434,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Xylenes (TOTAL)	(ug/kg)	*3,960*	**260,000**	**260,000**	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0
Naphthalene	(ug/kg)	*658*	**24,100**	**5,520**	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
MTBE	(ug/kg)	*27*	**282,000**	**63,800**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trimethylbenzene	(ug/kg)	NS	**219,000**	**219,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	**182,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	*1,382*	NS	NS	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Bromobenzene	(ug/kg)	NS	**679,000**	**342,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromochloromethane	(ug/kg)	NS	**906,000**	**216,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromodichloromethane	(ug/kg)	*0.3*	**1,830**	**418**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromoform	(ug/kg)	*2.3*	**113,000**	**25,400**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromomethane	(ug/kg)	*5.1*	**43,000**	**9,600**	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9
n-Butylbenzene	(ug/kg)	NS	**108,000**	**108,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
sec-Butylbenzene	(ug/kg)	NS	**145,000**	**145,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
tert-Butylbenzene	(ug/kg)	NS	**183,000**	**183,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Carbon Tetrachloride	(ug/kg)	*3.9*	**4,030**	**916**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chlorobenzene	(ug/kg)	NS	**761,000**	**370,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloroethane	(ug/kg)	*226.6*	**2,121,000**	**2,120,000**	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0
Chloroform	(ug/kg)	*3.3*	**1,980**	**454**	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4
Chloromethane	(ug/kg)	*15.5*	**669,000**	**159,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2-Chlorotoluene	(ug/kg)	NS	**907,000**	**907,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
4-Chlorotoluene	(ug/kg)	NS	**253,000**	**253,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.2*	**92**	**8**	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2
Dibromochloromethane	(ug/kg)	*32*	**38,900**	**8,280**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**221**	**50**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dibromomethane	(ug/kg)	NS	**143,000**	**34,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichlorobenzene	(ug/kg)	*1,168*	**376,000**	**376,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichlorobenzene	(ug/kg)	*1,152.8*	**297,000**	**297,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,4-Dichlorobenzene	(ug/kg)	*144*	**16,400**	**3,740**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dichlorodifluoromethane	(ug/kg)	*3,086.3*	**530,000**	**126,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethane	(ug/kg)	*483.4*	**22,200**	**5,060**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloroethane	(ug/kg)	*2.8*	**2,870**	**652**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethene	(ug/kg)	*5*	**1,190**	**320,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloropropane	(ug/kg)	*3.3*	**1,780**	**406**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	**1,490,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2,2-Dichloropropane	(ug/kg)	NS	**191,000**	**191,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloropropene	(ug/kg)	NS	NS	NS	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,3-Dichloropropene	(ug/kg)	*0.3*	**1,220,000**	**1,220,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,3Dichloropropene	(ug/kg)	*0.3*	**1,510,000**	**1,510,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	**2,260,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Hexachloro-1,3-butadiene	(ug/kg)	NS	**7,450**	**1,630**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Isopropylbenzene	(ug/kg)	NS	**268,000**	**268,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	**162,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Propylbenzene	(ug/kg)	NS	**264,000**	**264,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Styrene	(ug/kg)	*220*	**867,000**	**867,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**12,300**	**2,780**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.2*	**3,600**	**810**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichlorobenzene	(ug/kg)	NS	**934,000**	**62,600**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**113,000**	**24,000**	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6
1,1,1-Trichlorethane	(ug/kg)	*140.2*	**640,000**	**640,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2-Trichlorethane	(ug/kg)	*3.2*	**7,010**	**1,590**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trichlorofluoromethane	(ug/kg)	NS	**1,230,000**	**1,120,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**109**	**5**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Diesel Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--
Gasoline Range Organics	(mg/kg)	NS		NS	--	--	--	--	--	--	--
No. of Individual Exceedances (DC)					0	--	--	0	--	--	--
Cumulative Hazard Index (DC)			≤1.0		0.0012	--	--	0.0014	--	--	--
Cumulative Cancer Risk (DC)			1.00E-05		4.1E-09	--	--	4.7E-09	--	--	--

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

B1: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
NS = No standard established
-- = Parameter not analyzed
NR = Parameter not reported
RCL = Residual Contaminant Level
DC = Direct Contact

(1): Incomplete lab report provided, not all compounds/results able to be verified
(2): Sampled for VOC TCLP; see other tables for results

Table 2
Soil Analytical Results: Total and TCLP Values for VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

						PRE-EXCAVATION RESULTS FROM BORINGS									
Sample ID		Hazardous Characteristic TCLP Regulatory Level (ug/l)	Land Disposal Restriction Level = sum of PCE + TCE + VC (ug/kg)	Contained Out Values (Ind Direct Contact Levels) (ug/kg)	Non-Ind Direct Contact Level (ug/kg)	A		B	C		E	H	J	M	
Date						1/16/18		1/16/18	1/15/18		1/16/18	1/16/18	1/15/18	1/15/18	
Depth						0-0.5'	2-3'	2-3'	0-0.5'	8-9'	0-0.5'	8-9'	7'	0-0.5'	5-6'
Description						CONC.	CLAY	CLAY	CONC.	CLAY	CONC.	CLAY	CLAY	CONC.	CLAY
DEPTH to Seasonal Low Water Table (ft BGS)						7'	7'	7'	7'	7'	7'	7'	7'	7'	7'
Saturated (S) or Unsaturated (U)						U	U	U	U	S	U	S	S	U	U
PID Reading						--	27.2	19.1	--	2.4	--	0.0	2.2	--	20.3
Notes															
						Landfill	Treat	Treat	Landfill	Treat	Landfill	Landfill	Landfill	Landfill	Treat
TOTAL Tetrachloroethene (PCE)	ug/kg		**60,000**	153,000	**33,000**	542	**45,800**	**69,900**	517	**46,100**	2,120	5,160	27,300	402	**81,000**
TCLP Tetrachloroethene (PCE)	(ug/L)	**700**				13	**770**	**1,100**	5.9 J	140	29	39	520	<5.0	**850**
TOTAL Trichloroethene (TCE)	ug/kg			8810	1,300	<25.0	<200	<250	<25.0	<200	<25.0	129	<132	<25.0	<500
TCLP Trichloroethene (TCE)	(ug/L)	500				<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	3.6 J	<3.3	<3.3	<6.6
TOTAL Vinyl Chloride	ug/kg			2080	67	<25.0	<200	<250	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<500
TCLP Vinyl Chloride	(ug/L)	200				<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<3.5
TCLP Benzene	(ug/L)	500				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
TCLP Carbon Tetrachloride	(ug/L)	500				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
TCLP Chlorobenzene	(ug/L)	100,000				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
TCLP Chloroform	(ug/L)	6,000				<25	<25	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<50
TCLP 1,2-Dichloroethane	(ug/L)	500				<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<3.4
TCLP 1,1-Dichloroethene	(ug/L)	700				<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<8.2
TCLP 2-Butanone (MEK)	(ug/L)	200,000				<30	<30	<30	<30	<30	47 J	<30	<30	<30	<60

Exceedance Highlights:
BOLD Red font indicates individual or cumulative DC RCL
B1: Cumulative exceedance (HI > 1), eventhough no
Italic Red font indicates GW RCL Exceedance per DNR

Notes:
BOLD = Exceeds Regulatory Levels
NS = No standard established
-- = Not analyzed for parameter
NR = Not Reported
RCL = Residual Contaminant Level
DC = Direct Contact
Landfill = Can landfill directly upon excavation
Treat = Requires treatment and retesting prior to landfill disposal

TABLE 3 Remedial Excavation Soil Volume
Remedial Excavation, Monitoring, Closure Actions
Shorewood Queensway Cleaners, 4300 N. Oakland Avenue, Shorewood, WI
Assumptions: Dig to approximately 1,000 ug/kg PCE Soil RCL.
Treated Soil Limits see 2018 06 06 Treat Soil Vol Sheet
Assume No Dig 1808 Marion St; No Dig S of Bldg, Limited dig W of Bldg
Assume use Imported Fill to backfill basement of Marion Street. Do not regrade or redistribute site soil. Keep existing surface grades

			Excavation and Disposal Quantities				Surface : Concrete and Asphalt				SOIL					COMMENTS
Map ID	Area	Description	Length N/ S	Width E / W	Depth	Volume Dig	Quantity Conc / Asph		How Handle Conc / Asph		Thickness Soil direct LF	Soil LF	Soil Direct LF	Soil Treat then LF	TOTAL SOIL	
						CY	CY	ton				CY	Ton	Ton	Ton	
	Area 1 : Treated Soil Footprint Under and N of Building															
	Building Footprint	Entire Floor and Pad to East					76	151	Conc landfill							See "concrete quantity" sheet
	Building Footprint	Footings and subfloors						235	Conc recycle							See "concrete quantity" sheet
T1 to T4	Treated Soil															
T1	Around DCM	Inside Bore A, B, SB-5	5	10	0.5 to 5'	8								13	13	
T1	Around MW-3	Outside Bldg E wall	8	10	0.5 to 5'	13								20	20	
T2	Off-Site North	SB-11 / MW-5	15	7	5 to 9'	16								23	23	
T2	Large Box under Bldg and Outside	SB-4 to M, SB-9, SB-3	50	18	5 to 9'	133								200	200	
T3	West Under Basement	Assumed - no samples	25	5	9 to 14'	23								35	35	
T3	Large Box under Bldg	SB-4 to M	50	12	9 to 14'	111								167	167	
T4	Large Box under Bldg	A to M	40	12	14 to 18	71								107	107	
T4	Outside East	J	5	10	14 to 18	7								11	11	
T3 / LF 18	Boring F, SB-4, from depth 14 to 18'	Soil 5' to 14' treated, top soil and deep soil dig to remove more mass	12	12	0.5 to 5', 14 to 18'	45	0.0	0	Inc Above		8.5	45	68		68	
T3 / LF 17	West under Basement	Soil above T3 and below T3	25	10	5 to 9' and 14 to 18'	74	0.0	0	Inc Above		8	74	111		111	
LF17	W of T3	Under Basement	5	25	5 to 14'	37	0.0	0	Inc Above		8	37	56		56	
LF 1	N of Boring I to PL, NE Corner outside Bldg	1/2 soil treated, other half direct LF	8	22	0.5 to 15	47	0	0	Inc Above		14.5	47	71		71	cut in half because half area is treated soil
LF1/T2		1/2 soil treated, other half direct LF	8	22	9 to 15	20	0	0	Inc Above		6	20	29		29	cut in half because half area is treated soil
LF-19, T2, T3 & T4	Under Bldg, Bore C, M	Shallow soil LF above 5'	18	18	0.5 to 5'	54	0	0	Inc Above		4.5	54	81		81	
LF 14	S of SB-9 & M to Bldg Corner	all soil to LF to 12'	10	33	0 to 12	70	0	0	Inc Above		11.5	70	105		105	
LF 2	SW Corner of treated soil area, no borings	Square up treated area dimensions	21	12	0.5 to 12	107	0	0	Inc Above		11.5	107	161		161	
	TOTAL Area 1 : Direct Haul around and Under Treated Soil Footprint					**838**							**682**	**575**	**1257**	
	Area 2 - W of Treated Area Under Bldg															
LF 3	N Under Basement by Neighbor 4312	basement to 5', dig to 12'	27	4	5 to 12	28			Inc Above		7	28	42		42	
LF 4	W under basement to H	basement to 5', dig to 12'	34	17	5 to 12	150			Inc Above		7	150	225		225	
LF 5	Under bldg: H to N midpoint	contam 0.5 to 12'	7	20	0 to 12	60			Inc Above		11.5	60	89		89	
	TOTAL Area 2 - W of Treated Area Under Bldg					**237**							**356**	**0**	**356**	
	Area 3 - W of Building to Oakland															
LF-9 U	W Bldg Util to Oklnd, HA1, 2, 6	All LF to 8'	5	35	0.5 to 8	49	3.2	6.5	Asph		7.5	49	73		73	
LF-9 S	W Bldg by GP-3	All LF to 5'	15	12	0.5 to 5	30	3.3	6.7	Asph		4.5	30	45		45	
	TOTAL Area 3 - W of Building to Oakland					**79**							**118**	**0**	**118**	
	Area 4 - S of Building to Marion															
	TOTAL Area 4 - S of Building to Marion					**0**						**0**	**0**		**0**	
	Area 5 - E of Building to 1808 Marion House															
	TOTAL Area 5 - E of Building to 1808 Marion House					**0**						**0**	**0**		**0**	
	Area 6 - 1808 Marion															
	TOTAL Area 6 - 1808 Marion					**0**						**0**	**0**		**0**	
	Area 7 - Off Site Alley to North															
T2 / LF 23	Treated Soil SB-11 / MW-5	Treat 5 to 9', soil above and below to 14' LF	15	5	0 to 14	39	1.4	2.8	Asph Recycle		9.5	39	58		58	Removed T2 Soil from thickness
LF 21	West to Bldg Basement Wall	All LF to 9' (base of Basement)	15	7	0 to 9	35	1.9	3.9	Conc Recycle		9	35	53		53	see "Concrete Quantity" sheet
LF 22	East of Treated, Boring K	All LF to 10'	15	15	0 to 9	83	4.2	8.3	Asph Recycle		9	83	125		125	
	TOTAL Area 7 - Off Site Alley to North					**157**						**157**	**236**		**236**	

TOTAL MATERIAL HANDLED FOR ENVIRONMENTAL ISSUES					**1312**	**90**	**414**				**157**	**1392**	**575**	**2255**	
					1967	Asphalt Rcycl	57						Final Weight	**863**	Tons
Total Conc as Haz			0	Ton		Concrete LF	118								
Total Conc landfill			151	Ton		Conc Recycle	239								
Total Conc / Asph clean			235	Ton											
Total Soil Treat			575	Ton											
Treat Soil Final Weight (water, BAM)		50%	863	ton											
Total Soil Direct LF			1392	Ton											
Total Soil to LF			2255	Ton											
Total Soil Excvn			2830	Ton											

APPENDIX A

Soil Borehole Logs

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	A

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/16/2018	1/16/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 48		0-12	0.0-0.5' CONCRETE										Sample 0-0.5'
			1	0.5-9.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, solvent odor, moist to wet @ 7' (CL,NATIVE)				8.4						
			2											
			3					27.2						Sample 2-3'
2 CS	48 48		4											
			5		CH			128.0						
			6											
			7				▼	52.3						
3 CS	48 42		8											
			9	9.0-15.0' CLAY, brown, gray mottling, cohesive, high plasticity, massive, stiff, no odor, wet (CL,NATIVE)				30.0						
			10		CH									
			11					43.1						
			12											

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

Signature Firm Fehr Graham Tel: Fax:

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number A — Use only as an attachment to Form 4400-122. — Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	36 36		13	9.0-15.0' CLAY, brown, gray mottling, cohesive, high plasticity, massive, stiff, no odor, wet (CL,NATIVE) *(continued)*	CH			18.6						
			14											
			15	End of boring at 15'. Borehole abandoned.										Sample 15'

State of Wisconsin
Department of Natural Resources

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

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	B

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/16/2018	1/16/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 48		0-1	0.0-0.5' CONCRETE 0.5-8.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, solvent odor, moist to wet @ 7' (CL,NATIVE)				10.9						Sample 0-0.5'
			2-3					19.1						Sample 2-3'
2 CS	48 48		4-7		CH		▼	71.7 138.2						
3 CS	48 42		8-12	8.0-15.0' CLAY, brown, gray mottling, cohesive, high plasticity, massive, stiff, solvent odor, wet (CL,NATIVE)	CH			62.2 81.6						

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

Signature Firm Fehr Graham Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B — Use only as an attachment to Form 4400-122. — Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	36 36		13	8.0-15.0' CLAY, brown, gray mottling, cohesive, high plasticity, massive, stiff, solvent odor, wet (CL,NATIVE) *(continued)*	CH			87.3						
			14											
			15	End of boring at 15'. Borehole abandoned.										Sample 15'

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	C

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 48		1	0.0-0.5' CONCRETE 0.5-12.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)				9.4						Sample 0-0.5'
			2											
			3					16.3						Sample 2-3'
2 CS	48 48		4											
			5					26.1						
			6		CH									
			7				▼	41.4						
3 CS	48 48		8											Sample 8-9'
			9					2.4						
			10											
			11					0.7						
			12											

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number C — Use only as an attachment to Form 4400-122. — Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	48 48		12	12.0-20.0' CLAY, brown, cohesive, high plasticity, stiff, massive, wet (CL,NATIVE)										
			13					0.4						
			14											
			15					0.2						Sample 15'
5 CS	48 48		16		CH									
			17					0.2						
			18											
			19					0.2						
			20	End of boring at 20'. Borehole abandoned.										Sample 20'

State of Wisconsin
Department of Natural Resources

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

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	D

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/16/2018	1/16/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48 12		0 1	0.0-1.0' CONCRETE										
				1.0-5.0' NO RECOVERY										
			2 3											
	48 0		4											
			5	End of boring at 5'. Refusal, concrete foundation. Borehole abandoned.										

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

Signature [signature] Firm Fehr Graham Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	E

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/16/2018	1/16/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48 12		0 1	0.0-1.0' CONCRETE										Sample 0-0.5'
			1	1.0-5.0' NO RECOVERY										
			2											
			3											
	48 0		4											
			5	End of boring at 5'. Refusal, concrete foundation. Borehole abandoned.			▼							

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State of Wisconsin
Department of Natural Resources

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

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	F

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 48		0-1	0.0-0.5' CONCRETE 0.5-12.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, solvent odor, moist to wet @ 7' (CL,NATIVE)				0.9						
			2-3					5.2						Sample 2-3'
2 CS	48 48		4-5					71.9						
			6-7		CH		▼							
3 CS	48 48		8-9					70.7						Sample 8-9'
			9-10					286						
			11-12					146						

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number F — Use only as an attachment to Form 4400-122. — Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	48 48		13	12.0-16.0' CLAY, brown, cohesive, high plasticity, stiff, massive, solvent odor, wet (CL,NATIVE)				41.2						
			14		CH									
			15					10.1						Sample 15'
			16	End of boring at 16'. Borehole abandoned.										Sample 16'

State of Wisconsin
Department of Natural Resources

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

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	G

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48 0		1 2 3 4	0.0-0.25' CONCRETE 1.0-5.0' NO RECOVERY										
	48 0		5	End of boring at 5'. Refusal, concrete foundation. Borehole abandoned.										

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	G1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/16/2018	1/16/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48 0		1 2 3 4	0.0-0.25' CONCRETE 1.0-5.0' NO RECOVERY										
	48 0		5	End of boring at 5'. Refusal, concrete foundation. Borehole abandoned.			▼							

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	H

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/16/2018	1/16/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 / 42		1	0.0-0.5' CONCRETE 0.5-12.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)				0.0						
			2											
			3					0.0						Sample 2-3'
2 CS	48 / 24		4											
			5					0.0						
			6		CH									
			7				▼	0.0						
3 CS	48 / 48		8											Sample 8-9'
			9					0.0						
			10											
			11					0.0						
			12											

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number H — Use only as an attachment to Form 4400-122. — Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	36 36		13	12.0-15.0' CLAY, brown, cohesive, high plasticity, stiff, massive, wet (CL,NATIVE)	CH			0.0						
			14											
			15	End of boring at 15'. Borehole abandoned.										Sample 15'

State of Wisconsin
Department of Natural Resources

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

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	H1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48 0		1 2 3 4	0.0-0.25' CONCRETE 1.0-5.0' NO RECOVERY										
	48 0		5	End of boring at 5'. Refusal, concrete foundation. Borehole abandoned.										

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	H2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/16/2018	1/16/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48 0		1 2 3 4	0.0-0.25' CONCRETE 1.0-5.0' NO RECOVERY			▼							
	48 0		5	End of boring at 5'. Refusal, concrete foundation. Borehole abandoned.										

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Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	I

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60 60		0	0.0-0.25' ASPHALT										
			1	0.25-12.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)				3.4						
			2											
			3											Sample 2-3'
			4					4.7						
2 CS	60 60		5											
			6		CH									
			7				▼	7.1						Sample 7'
			8											
			9					1.0						
3 CS	60 60		10											
			11					5.2						
			12											

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

Signature Firm Fehr Graham Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number I

Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	12.0-15.0' CLAY, brown, cohesive, high plasticity, stiff, massive, wet (CL,NATIVE)	CH			8.6						Sample 12'
			14											
			15	End of boring at 15'. Borehole abandoned.										Sample 15'

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	J

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60 60		0	0.0-0.25' ASPHALT										
			1	0.25-1.0' CLAYEY GRAVEL, light gray gravel, brown clay, noncohesive, 1/4" subangular gravel, loose, moist (GW,FILL)	GW			0.4						
			2	1.0-12.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)										
			3											Sample 2-3'
			4					0.7						
2 CS	60 60		5											
			6											
			7		CH		▼	3.7						Sample 7'
			8											
			9					2.2						
3 CS	60 60		10											
			11					16.1						
			12											

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

Signature: DMPL Firm: Fehr Graham Tel: Fax:

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SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number J — Use only as an attachment to Form 4400-122. — Page 2 of 2

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	12.0-15.0' CLAY, brown, cohesive, high plasticity, stiff, massive, wet (CL,NATIVE)	CH			15.3						Sample 12'
			14											
			15	End of boring at 15'. Borehole abandoned.										Sample 15'

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	K

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60 60		0	0.0-0.25' ASPHALT										
			1	0.25-0.75' GRAVEL, light gray, noncohesive, 1/4" subangular gravel, loose, moist (GW,FILL)	GW			0.0						
			2	0.75-12.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)										
			3					0.0						Sample 3'
			4											
2 CS	60 60		5					0.0						Sample 6'
			6											
			7		CH									
			8											
			9					0.0						
3 CS	60 60		10											Sample 10'
			11					0.0						
			12											

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SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number K — Use only as an attachment to Form 4400-122. — Page 2 of 2

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	12.0-15.0' CLAY, brown, cohesive, high plasticity, stiff, massive, wet (CL,NATIVE)	CH			0.0						
			14											
			15	End of boring at 15'. Borehole abandoned.										Sample 15'

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	L

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60 60		0	0.0-0.25' ASPHALT										
			0	0.25-0.75' GRAVEL, light gray, noncohesive, 1/4" subangular gravel, loose, moist (GW,FILL)	GW									
			1	0.75-12.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)				0.0						
			2											
			3											Sample 3'
			4					0.0						
			5											
2 CS	60 60		6				▼							Sample 6'
			6		CH			0.0						
			7											
			8											
			9					0.0						
3 CS	60 42		10											Sample 10'
			11					0.0						
			12											

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Signature Firm Fehr Graham Tel: Fax:

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Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number L — Use only as an attachment to Form 4400-122. — Page 2 of 2

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	12.0-15.0' CLAY, brown, cohesive, high plasticity, stiff, massive, wet (CL,NATIVE)	CH			0.0						
			14											
			15	End of boring at 15'. Borehole abandoned.										Sample 15'

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	M

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 48		0	0.0-0.5' CONCRETE										
			1	0.5-3.0' CLAYEY GRAVEL, light gray gravel, brown clay, noncohesive, 1/4" subangular gravel, loose, moist (GW,FILL)	GW			1.7						Sample 0-0.5'
			2											
			3											Sample 2-3'
			4	3.0-12.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, solvent odor, moist to wet @ 7' (CL,NATIVE)				1.9						
2 CS	48 48		5					20.3						
			6											Sample 5-6'
			7		CH		▼	6.4						
3 CS	48 48		8											
			9					25.8						
			10											Sample 9-10'
			11					77.8						
			12											

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Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number M — Use only as an attachment to Form 4400-122. — Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	36 36		13	12.0-15.0' CLAY, brown, cohesive, high plasticity, stiff, massive, solvent odor, wet (CL,NATIVE)	CH			109.4						
			14					90.4						
			15	End of boring at 15'. Borehole abandoned.										Sample 15'

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	N

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 48		1	0.0-0.5' CONCRETE				0.0						
			2	0.5-12.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, slight solvent odor, moist to wet @ 7' (CL,NATIVE)										
			3					0.0						Sample 2-3'
2 CS	48 48		4											
			5					0.0						
			6		CH									Sample 5-6'
			7				▼	0.0						
3 CS	48 48		8											
			9					0.0						
			10											Sample 9-10'
			11					0.0						
			12											

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Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number N — Use only as an attachment to Form 4400-122. — Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	36 36		13	12.0-15.0' CLAY, brown, cohesive, high plasticity, stiff, massive, no odor, wet (CL,NATIVE)	CH			0.0						
			14											
			15	End of boring at 15'. Borehole abandoned.										Sample 15'

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	O

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60 48		0	0.0-0.25' ASPHALT 0.25-0.75' CONCRETE										
			1	0.75-1.0' GRAVELLY SAND, brown, coarse grained sand, 1/4" gravel, subangular, well graded, loose, moist (SW,FILL)	SW			0.2						
			2	1.0-10.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, slight petro odor from 3-5', moist to wet @ 7' (CL,NATIVE)										Sample 2'
			3											
			4					6.9						
2 CS	60 60		5		CH									
			6											Sample 6'
			7				▼	0.9						
			8											
			9					0.0						
			10	End of boring at 10'. Borehole abandoned.										Sample 10'

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	P

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60 60		0	0.0-0.25' ASPHALT 0.25-0.75' CONCRETE										
			1	0.75-1.0' GRAVELLY SAND, brown, coarse grained sand, 1/4" gravel, subangular, well graded, loose, moist (SW,FILL)	SW			0.0						
			2	1.0-10.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)										Sample 2'
			3											
			4					0.0						
2 CS	60 60		5		CH									
			6											Sample 6'
			7				▼	0.0						
			8											
			9					0.0						
			10	End of boring at 10'. Borehole abandoned.										Sample 10'

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Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	Q

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60 60		0	0.0-0.25' ASPHALT 0.25-0.75' CONCRETE										
			1	0.75-1.0' GRAVELLY SAND, brown, coarse grained sand, 1/4" gravel, subangular, well graded, loose, moist (SW,FILL)	SW			0.0						
			2	1.0-10.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)										Sample 2'
			3											
			4					0.0						
2 CS	60 60		5		CH									
			6											Sample 6'
			7				▼	0.0						
			8											
			9					0.0						
			10	End of boring at 10'. Borehole abandoned.										Sample 10'

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

Signature Firm Fehr Graham Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	R

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60 60		0	0.0-0.25' ASPHALT 0.25-0.75' CONCRETE										
			1	0.75-1.0' GRAVELLY SAND, brown, coarse grained sand, 1/4" gravel, subangular, well graded, loose, moist (SW,FILL)	SW			0.0						
			2	1.0-10.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)										Sample 2'
			3											
			4					0.0						
2 CS	60 60		5		CH									
			6											Sample 6'
			7				▼	0.0						
			8											
			9					0.2						
			10	End of boring at 10'. Borehole abandoned.										Sample 10'

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	S

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60 24		0	0.0-0.5' ASPHALT										
			1	0.5-1.0' GRAVELLY SAND, brown, coarse grained sand, 1/4" gravel, subangular, well graded, loose, slight petro odor, moist (SW,FILL)	SW			0.0						
			2	1.0-10.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)										Sample 2'
			3											
			4					0.0						
2 CS	60 60		5		CH									
			6											Sample 6'
			7				▼	0.0						
			8											
			9					0.0						
			10	End of boring at 10'. Borehole abandoned.										Sample 10'

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	T

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐ State Plane N, E S/C/N
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60 60		0-12	0.0-0.5' ASPHALT 0.25-1.0' GRAVELLY SAND, brown, coarse grained sand, 1/4" gravel, subangular, well graded, loose, moist (SW,FILL) 1.0-10.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)	SW			0.0						Sample 2-3'
2 CS	60 60				CH			0.0						Sample 5-6'
								0.0						Sample 9-10'
3 CS	60 60			10.0-15.0' CLAY, brown, cohesive, high plasticity, stiff, massive, wet (CL,NATIVE)	CH			0.0						

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number T — Use only as an attachment to Form 4400-122. — Page 2 of 2

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	10.0-15.0' CLAY, brown, cohesive, high plasticity, stiff, massive, wet (CL,NATIVE) *(continued)*	CH			0.0						
			14											
			15	End of boring at 15'. Borehole abandoned.										Sample 15'

State of Wisconsin
Department of Natural Resources

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

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	U

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60 60		1	0.0-0.5' ASPHALT 0.25-1.5' GRAVELLY SAND, brown, coarse grained sand, 1/4" gravel, subangular, well graded, loose, moist (SW,FILL)	SW			0.0						
			2	1.5-10.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)										Sample 2-3'
			3											
			4					0.0						
2 CS	60 60		5											
			6		CH									Sample 5-6'
			7				▼	0.0						
			8											
			9					0.0						
			10											Sample 9-10'
3 CS	60 60		11	10.0-15.0' CLAY, brown, cohesive, high plasticity, stiff, massive, wet (CL,NATIVE)	CH			0.0						
			12											

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number U — Use only as an attachment to Form 4400-122. —

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	10.0-15.0' CLAY, brown, cohesive, high plasticity, stiff, massive, wet (CL,NATIVE) *(continued)*	CH			0.0						
			14											
			15	End of boring at 15'. Borehole abandoned.										Sample 15'

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	V

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60 60		0	0.0-0.5' ASPHALT										
			1	0.25-2.0' GRAVELLY SAND, brown, coarse grained sand, 1/4" gravel, subangular, well graded, loose, moist (SW,FILL)	SW			0.0						
			2	2.0-10.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)										Sample 2'
			3											
			4					0.0						
			5											
2 CS	60 60		6		CH									Sample 6'
			7				▼	0.0						
			8											
			9					0.0						
			10	10.0-15.0' CLAY, brown, cohesive, high plasticity, stiff, massive, wet (CL,NATIVE)	CH									Sample 10'

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number V — Use only as an attachment to Form 4400-122. —

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				10.0-15.0' CLAY, brown, cohesive, high plasticity, stiff, massive, wet (CL,NATIVE) *(continued)*	CH									
				End of boring at 15'. Borehole abandoned.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	W

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/15/2018	1/15/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 48		1	0.0-2.0' SANDY SILT, dark brown, cohesive, low plasticity, soft, roots, moist (MLS,FILL)	MLS			0.0						
			2											
			3	2.0-9.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)				0.0						Sample 2-3'
2 CS	48 48		4											
			5		CH			0.0						
			6											
			7					0.0						
3 CS	48 48		8				▼							Sample 7-8'
			9	9.0-12.0' CLAY, brown, cohesive, high plasticity, stiff, massive, wet (CL,NATIVE)				0.0						
			10		CH									
			11					0.0						
			12	End of boring at 12'. Borehole abandoned.										Sample 12'

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

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Shorewood Queensway Cleaners	02-41-552089	X

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Anthony Kapugi Onsite Environmental Services	1/16/2018	1/16/2018	Direct Push/Geoprobe

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

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NW 1/4 of SW 1/4 of Section 3, T 7 N, R 22 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241094590	Milwaukee	41	Shorewood

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 36		1	0.0-1.5' SANDY SILT, dark brown, cohesive, low plasticity, soft, roots, moist (MLS,FILL)	MLS			0.0						
			2	1.5-9.0' CLAY, red-brown, gray mottling, cohesive, high plasticity, massive, stiff, moist to wet @ 7' (CL,NATIVE)										Sample 2-3'
			3					0.0						
2 CS	48 48		4											
			5		CH			0.0						
			6											
			7					0.0						Sample 7-8'
3 CS	48 12		8				▼							
			9	End of boring at 9'. Borehole abandoned.				0.0						Sample 9'

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APPENDIX B

Soil Chemistry Results

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

January 26, 2018

Ken Ebbott
Fehr Graham Engineering and Environmental
1237 Pilgrim Rd
Plymouth, WI 53073

RE: Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Dear Ken Ebbott:
Enclosed are the analytical results for sample(s) received by the laboratory on January 17, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Megan Hansen, Fehr Graham Engineering and Environmental

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

CERTIFICATIONS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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

SAMPLE SUMMARY

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40163585001	**A 0-0.5'**	Solid	01/16/18 09:40	01/17/18 13:00
40163585002	**A 2-3'**	Solid	01/16/18 09:50	01/17/18 13:00
40163585003	**A 15'**	Solid	01/16/18 10:05	01/17/18 13:00
40163585004	**B 0-0.5'**	Solid	01/16/18 10:15	01/17/18 13:00
40163585005	**B 2-3'**	Solid	01/16/18 10:20	01/17/18 13:00
40163585006	**B 15'**	Solid	01/16/18 10:40	01/17/18 13:00
40163585007	**C 0-0.5'**	Solid	01/15/18 10:40	01/17/18 13:00
40163585008	**C 2-3'**	Solid	01/15/18 10:50	01/17/18 13:00
40163585009	**C 8-9'**	Solid	01/15/18 11:10	01/17/18 13:00
40163585010	**C 15'**	Solid	01/15/18 11:35	01/17/18 13:00
40163585011	**C 20'**	Solid	01/15/18 12:00	01/17/18 13:00
40163585012	**E 0-0.5'**	Solid	01/16/18 09:10	01/17/18 13:00
40163585013	**F 2-3'**	Solid	01/15/18 09:25	01/17/18 13:00
40163585014	**F 8-9'**	Solid	01/15/18 10:05	01/17/18 13:00
40163585015	**F 15'**	Solid	01/15/18 10:20	01/17/18 13:00
40163585016	**F 16'**	Solid	01/15/18 10:25	01/17/18 13:00
40163585017	**H 2-3'**	Solid	01/16/18 12:25	01/17/18 13:00
40163585018	**H 8-9'**	Solid	01/16/18 12:30	01/17/18 13:00
40163585019	**H 15'**	Solid	01/16/18 12:35	01/17/18 13:00
40163585020	**I 2-3'**	Solid	01/15/18 14:15	01/17/18 13:00
40163585021	**I 7'**	Solid	01/15/18 14:20	01/17/18 13:00
40163585022	**I 12'**	Solid	01/15/18 14:25	01/17/18 13:00
40163585023	**I 15'**	Solid	01/15/18 14:30	01/17/18 13:00
40163585024	**J 2-3'**	Solid	01/15/18 13:50	01/17/18 13:00
40163585025	**J 7'**	Solid	01/15/18 13:55	01/17/18 13:00
40163585026	**J 12'**	Solid	01/15/18 14:00	01/17/18 13:00
40163585027	**J 15'**	Solid	01/15/18 11:05	01/17/18 13:00
40163585028	**K 3'**	Solid	01/15/18 15:40	01/17/18 13:00
40163585029	**K 6'**	Solid	01/15/18 15:45	01/17/18 13:00
40163585030	**K 10'**	Solid	01/15/18 15:50	01/17/18 13:00
40163585031	**K 15'**	Solid	01/15/18 15:55	01/17/18 13:00
40163585032	**L 3'**	Solid	01/15/18 15:30	01/17/18 13:00
40163585033	**L 6'**	Solid	01/15/18 15:35	01/17/18 13:00
40163585034	**L 10'**	Solid	01/15/18 15:40	01/17/18 13:00
40163585035	**L 15'**	Solid	01/15/18 15:45	01/17/18 13:00
40163585036	**M 0-0.5'**	Solid	01/15/18 12:40	01/17/18 13:00
40163585037	**M 2-3'**	Solid	01/15/18 12:50	01/17/18 13:00

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40163585038	**M 5-6'**	Solid	01/15/18 13:00	01/17/18 13:00
40163585039	**M 9-10'**	Solid	01/15/18 13:10	01/17/18 13:00
40163585040	**M 15'**	Solid	01/15/18 13:20	01/17/18 13:00
40163585041	**N 2-3'**	Solid	01/15/18 13:55	01/17/18 13:00
40163585042	**N 5-6'**	Solid	01/15/18 14:00	01/17/18 13:00
40163585043	**N 9-10'**	Solid	01/15/18 14:10	01/17/18 13:00
40163585044	**N 15'**	Solid	01/15/18 14:45	01/17/18 13:00
40163585045	**O 2'**	Solid	01/15/18 10:50	01/17/18 13:00
40163585046	**O 6'**	Solid	01/15/18 10:55	01/17/18 13:00
40163585047	**O 10'**	Solid	01/15/18 11:00	01/17/18 13:00
40163585048	**P 2'**	Solid	01/15/18 10:30	01/17/18 13:00
40163585049	**P 6'**	Solid	01/15/18 10:35	01/17/18 13:00
40163585050	**P 10'**	Solid	01/15/18 10:40	01/17/18 13:00
40163585051	**Q 2'**	Solid	01/15/18 10:10	01/17/18 13:00
40163585052	**Q 6'**	Solid	01/15/18 10:15	01/17/18 13:00
40163585053	**Q 10'**	Solid	01/15/18 10:20	01/17/18 13:00
40163585054	**R 2'**	Solid	01/15/18 12:10	01/17/18 13:00
40163585055	**R 6'**	Solid	01/15/18 12:15	01/17/18 13:00
40163585056	**R 10'**	Solid	01/15/18 12:20	01/17/18 13:00
40163585057	**S 2'**	Solid	01/15/18 11:05	01/17/18 13:00
40163585058	**S 6'**	Solid	01/15/18 11:10	01/17/18 13:00
40163585059	**S 10'**	Solid	01/15/18 11:15	01/17/18 13:00
40163585060	**T 2-3'**	Solid	01/15/18 12:20	01/17/18 13:00
40163585061	**T 5-6'**	Solid	01/15/18 12:25	01/17/18 13:00
40163585062	**T 9-10'**	Solid	01/15/18 12:30	01/17/18 13:00
40163585063	**T 15'**	Solid	01/15/18 12:35	01/17/18 13:00
40163585064	**U 2-3'**	Solid	01/15/18 13:10	01/17/18 13:00
40163585065	**U 5-6'**	Solid	01/15/18 13:15	01/17/18 13:00
40163585066	**U 9-10'**	Solid	01/15/18 13:20	01/17/18 13:00
40163585067	**U 15'**	Solid	01/15/18 13:25	01/17/18 13:00
40163585068	**V 2'**	Solid	01/15/18 13:00	01/17/18 13:00
40163585069	**V 6'**	Solid	01/15/18 13:05	01/17/18 13:00
40163585070	**V 10'**	Solid	01/15/18 13:10	01/17/18 13:00
40163585071	**W 2-3'**	Solid	01/15/18 14:50	01/17/18 13:00
40163585072	**W 7-8'**	Solid	01/15/18 14:55	01/17/18 13:00
40163585073	**W 12'**	Solid	01/15/18 15:00	01/17/18 13:00
40163585074	**X 2-3'**	Solid	01/16/18 11:45	01/17/18 13:00

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40163585075	**X 7-8'**	Solid	01/16/18 11:50	01/17/18 13:00
40163585076	**X 9'**	Solid	01/16/18 11:55	01/17/18 13:00
40163585077	**METH BLANK**	Solid	01/16/18 00:00	01/17/18 13:00

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SAMPLE ANALYTE COUNT

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40163585001	**A 0-0.5'**	EPA 8260	SMT	64	PASI-G
		EPA 8260	HNW	13	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585002	**A 2-3'**	EPA 8260	MDS	64	PASI-G
		EPA 8260	HNW	13	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585003	**A 15'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585004	**B 0-0.5'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585005	**B 2-3'**	EPA 8260	MDS	64	PASI-G
		EPA 8260	HNW	13	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585006	**B 15'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585007	**C 0-0.5'**	EPA 8260	MDS	64	PASI-G
		EPA 8260	HNW	13	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585008	**C 2-3'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585009	**C 8-9'**	EPA 8260	MDS	64	PASI-G
		EPA 8260	HNW	13	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585010	**C 15'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585011	**C 20'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585012	**E 0-0.5'**	EPA 8260	MDS	64	PASI-G
		EPA 8260	HNW	13	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585013	**F 2-3'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585014	**F 8-9'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585015	**F 15'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585016	**F 16'**	EPA 8260	MDS	64	PASI-G

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SAMPLE ANALYTE COUNT

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974-87	RMV	1	PASI-G
40163585017	**H 2-3'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585018	**H 8-9'**	EPA 8260	MDS	64	PASI-G
		EPA 8260	HNW	13	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585019	**H 15'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585020	**I 2-3'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585021	**I 7'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585022	**I 12'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585023	**I 15'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585024	**J 2-3'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585025	**J 7'**	EPA 8260	MDS	64	PASI-G
		EPA 8260	HNW	13	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585026	**J 12'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	RMV	1	PASI-G
40163585027	**J 15'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585028	**K 3'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585029	**K 6'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585030	**K 10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585031	**K 15'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585032	**L 3'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585033	**L 6'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40163585034	**L 10'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585035	**L 15'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585036	**M 0-0.5'**	EPA 8260	MDS	64	PASI-G
		EPA 8260	HNW	13	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585037	**M 2-3'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585038	**M 5-6'**	EPA 8260	MDS	64	PASI-G
		EPA 8260	HNW	13	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585039	**M 9-10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585040	**M 15'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585041	**N 2-3'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585042	**N 5-6'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585043	**N 9-10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585044	**N 15'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585045	**O 2'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585046	**O 6'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585047	**O 10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585048	**P 2'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585049	**P 6'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585050	**P 10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585051	**Q 2'**	EPA 8260	SMT	64	PASI-G

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974-87	DXS	1	PASI-G
40163585052	**Q 6'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585053	**Q 10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585054	**R 2'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585055	**R 6'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585056	**R 10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585057	**S 2'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585058	**S 6'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585059	**S 10'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585060	**T 2-3'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585061	**T 5-6'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585062	**T 9-10'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585063	**T 15'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585064	**U 2-3'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585065	**U 5-6'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585066	**U 9-10'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585067	**U 15'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585068	**V 2'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585069	**V 6'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40163585070	**V 10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585071	**W 2-3'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585072	**W 7-8'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585073	**W 12'**	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585074	**X 2-3'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585075	**X 7-8'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585076	**X 9'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
40163585077	**METH BLANK**	EPA 8260	MDS	64	PASI-G

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SUMMARY OF DETECTION

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40163585001	**A 0-0.5'**					
EPA 8260	Tetrachloroethene	542	ug/kg	60.4	01/22/18 16:06	
EPA 8260	Tetrachloroethene	0.013	mg/L	0.010	01/19/18 12:06	
ASTM D2974-87	Percent Moisture	0.70	%	0.10	01/22/18 11:15	
40163585002	**A 2-3'**					
EPA 8260	Tetrachloroethene	45800	ug/kg	555	01/18/18 15:33	
EPA 8260	Tetrachloroethene	0.77	mg/L	0.010	01/22/18 08:52	
ASTM D2974-87	Percent Moisture	13.5	%	0.10	01/22/18 11:15	
40163585003	**A 15'**					
EPA 8260	Tetrachloroethene	127000	ug/kg	1460	01/18/18 15:56	
EPA 8260	Trichloroethene	845J	ug/kg	1460	01/18/18 15:56	
ASTM D2974-87	Percent Moisture	17.8	%	0.10	01/22/18 11:15	
40163585004	**B 0-0.5'**					
EPA 8260	Tetrachloroethene	679	ug/kg	63.1	01/19/18 10:24	
ASTM D2974-87	Percent Moisture	5.0	%	0.10	01/22/18 11:15	
40163585005	**B 2-3'**					
EPA 8260	Tetrachloroethene	69900	ug/kg	699	01/19/18 12:17	
EPA 8260	Tetrachloroethene	1.1	mg/L	0.010	01/22/18 09:15	
ASTM D2974-87	Percent Moisture	14.2	%	0.10	01/22/18 11:15	
40163585006	**B 15'**					
EPA 8260	Tetrachloroethene	460000	ug/kg	5630	01/18/18 16:41	
ASTM D2974-87	Percent Moisture	14.7	%	0.10	01/22/18 11:15	
40163585007	**C 0-0.5'**					
EPA 8260	Ethylbenzene	46.4J	ug/kg	60.7	01/18/18 15:11	
EPA 8260	Tetrachloroethene	517	ug/kg	60.7	01/18/18 15:11	
EPA 8260	Toluene	390	ug/kg	60.7	01/18/18 15:11	
EPA 8260	1,2,4-Trimethylbenzene	50.2J	ug/kg	60.7	01/18/18 15:11	
EPA 8260	1,3,5-Trimethylbenzene	26.0J	ug/kg	60.7	01/18/18 15:11	
EPA 8260	m&p-Xylene	229	ug/kg	121	01/18/18 15:11	
EPA 8260	o-Xylene	90.4	ug/kg	60.7	01/18/18 15:11	
EPA 8260	Tetrachloroethene	0.0059J	mg/L	0.010	01/19/18 12:32	
ASTM D2974-87	Percent Moisture	1.2	%	0.10	01/22/18 11:15	
40163585008	**C 2-3'**					
EPA 8260	Tetrachloroethene	38500	ug/kg	558	01/18/18 17:04	
ASTM D2974-87	Percent Moisture	14.0	%	0.10	01/22/18 11:15	
40163585009	**C 8-9'**					
EPA 8260	Tetrachloroethene	46100	ug/kg	558	01/18/18 17:26	
EPA 8260	Tetrachloroethene	0.14	mg/L	0.010	01/19/18 12:54	
ASTM D2974-87	Percent Moisture	13.9	%	0.10	01/22/18 11:15	
40163585010	**C 15'**					
EPA 8260	Tetrachloroethene	48.6J	ug/kg	70.0	01/19/18 11:09	
ASTM D2974-87	Percent Moisture	14.3	%	0.10	01/22/18 11:16	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40163585011	**C 20'**					
ASTM D2974-87	Percent Moisture	15.8	%	0.10	01/22/18 11:16	
40163585012	**E 0-0.5'**					
EPA 8260	Tetrachloroethene	2120	ug/kg	60.7	01/19/18 10:47	
EPA 8260	2-Butanone (MEK)	0.047J	mg/L	0.20	01/19/18 13:17	
EPA 8260	Tetrachloroethene	0.029	mg/L	0.010	01/19/18 13:17	
ASTM D2974-87	Percent Moisture	1.1	%	0.10	01/22/18 10:32	
40163585013	**F 2-3'**					
EPA 8260	Tetrachloroethene	11800	ug/kg	137	01/19/18 12:40	
ASTM D2974-87	Percent Moisture	12.6	%	0.10	01/22/18 10:32	
40163585014	**F 8-9'**					
EPA 8260	Tetrachloroethene	19100000	ug/kg	183000	01/18/18 18:57	
ASTM D2974-87	Percent Moisture	17.8	%	0.10	01/22/18 11:16	
40163585015	**F 15'**					
EPA 8260	cis-1,2-Dichloroethene	41.4J	ug/kg	71.0	01/18/18 12:55	
EPA 8260	Tetrachloroethene	2070	ug/kg	71.0	01/18/18 12:55	
EPA 8260	Trichloroethene	86.3	ug/kg	71.0	01/18/18 12:55	
ASTM D2974-87	Percent Moisture	15.5	%	0.10	01/22/18 11:16	
40163585016	**F 16'**					
EPA 8260	Tetrachloroethene	416	ug/kg	72.0	01/18/18 13:18	
ASTM D2974-87	Percent Moisture	16.7	%	0.10	01/22/18 11:16	
40163585017	**H 2-3'**					
ASTM D2974-87	Percent Moisture	15.6	%	0.10	01/22/18 11:16	
40163585018	**H 8-9'**					
EPA 8260	Tetrachloroethene	5160	ug/kg	70.3	01/19/18 11:55	
EPA 8260	Trichloroethene	129	ug/kg	70.3	01/19/18 11:55	
EPA 8260	Tetrachloroethene	0.039	mg/L	0.010	01/19/18 13:40	
EPA 8260	Trichloroethene	0.0036J	mg/L	0.010	01/19/18 13:40	
ASTM D2974-87	Percent Moisture	14.6	%	0.10	01/22/18 11:16	
40163585019	**H 15'**					
ASTM D2974-87	Percent Moisture	17.1	%	0.10	01/22/18 11:16	
40163585020	**I 2-3'**					
EPA 8260	Tetrachloroethene	38500	ug/kg	548	01/19/18 13:03	
ASTM D2974-87	Percent Moisture	12.4	%	0.10	01/22/18 11:16	
40163585021	**I 7'**					
EPA 8260	Tetrachloroethene	14600	ug/kg	171	01/18/18 18:34	
ASTM D2974-87	Percent Moisture	12.5	%	0.10	01/22/18 11:16	
40163585022	**I 12'**					
EPA 8260	Tetrachloroethene	752	ug/kg	69.9	01/18/18 12:23	
ASTM D2974-87	Percent Moisture	14.2	%	0.10	01/22/18 11:16	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40163585023	**I 15'**					
EPA 8260	Tetrachloroethene	4030	ug/kg	71.1	01/18/18 12:00	
ASTM D2974-87	Percent Moisture	15.6	%	0.10	01/22/18 11:38	
40163585024	**J 2-3'**					
EPA 8260	Tetrachloroethene	159	ug/kg	69.8	01/18/18 20:19	
ASTM D2974-87	Percent Moisture	14.0	%	0.10	01/22/18 11:38	
40163585025	**J 7'**					
EPA 8260	Tetrachloroethene	27300	ug/kg	367	01/18/18 13:09	
EPA 8260	Tetrachloroethene	0.52	mg/L	0.010	01/23/18 15:22	
ASTM D2974-87	Percent Moisture	14.0	%	0.10	01/22/18 11:38	
40163585026	**J 12'**					
EPA 8260	Tetrachloroethene	31400	ug/kg	344	01/18/18 13:33	
ASTM D2974-87	Percent Moisture	12.7	%	0.10	01/22/18 11:38	
40163585027	**J 15'**					
EPA 8260	Tetrachloroethene	50400	ug/kg	552	01/18/18 13:56	
ASTM D2974-87	Percent Moisture	13.1	%	0.10	01/24/18 17:05	
40163585028	**K 3'**					
EPA 8260	Tetrachloroethene	3490	ug/kg	69.0	01/18/18 20:42	
EPA 8260	Trichloroethene	162	ug/kg	69.0	01/18/18 20:42	
ASTM D2974-87	Percent Moisture	13.0	%	0.10	01/24/18 17:05	
40163585029	**K 6'**					
EPA 8260	Tetrachloroethene	3530	ug/kg	68.6	01/18/18 21:05	
EPA 8260	Trichloroethene	172	ug/kg	68.6	01/18/18 21:05	
ASTM D2974-87	Percent Moisture	12.6	%	0.10	01/24/18 17:05	
40163585030	**K 10'**					
ASTM D2974-87	Percent Moisture	13.2	%	0.10	01/24/18 17:05	
40163585031	**K 15'**					
ASTM D2974-87	Percent Moisture	13.5	%	0.10	01/24/18 17:06	
40163585032	**L 3'**					
ASTM D2974-87	Percent Moisture	13.3	%	0.10	01/24/18 17:06	
40163585033	**L 6'**					
ASTM D2974-87	Percent Moisture	11.6	%	0.10	01/25/18 16:52	
40163585034	**L 10'**					
ASTM D2974-87	Percent Moisture	13.6	%	0.10	01/25/18 16:52	
40163585035	**L 15'**					
ASTM D2974-87	Percent Moisture	12.9	%	0.10	01/25/18 16:53	
40163585036	**M 0-0.5'**					
EPA 8260	Ethylbenzene	30.9J	ug/kg	61.0	01/18/18 12:46	
EPA 8260	Tetrachloroethene	402	ug/kg	61.0	01/18/18 12:46	
EPA 8260	Toluene	220	ug/kg	61.0	01/18/18 12:46	

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SUMMARY OF DETECTION

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40163585036	**M 0-0.5'**					
EPA 8260	m&p-Xylene	146	ug/kg	122	01/18/18 12:46	
EPA 8260	o-Xylene	48.6J	ug/kg	61.0	01/18/18 12:46	
ASTM D2974-87	Percent Moisture	1.7	%	0.10	01/25/18 16:53	
40163585037	**M 2-3'**					
EPA 8260	Tetrachloroethene	9190	ug/kg	140	01/18/18 23:47	
ASTM D2974-87	Percent Moisture	14.5	%	0.10	01/25/18 16:53	
40163585038	**M 5-6'**					
EPA 8260	Tetrachloroethene	81000	ug/kg	1370	01/19/18 00:10	
EPA 8260	Tetrachloroethene	0.85	mg/L	0.020	01/23/18 16:07	
ASTM D2974-87	Percent Moisture	12.3	%	0.10	01/25/18 16:53	
40163585039	**M 9-10'**					
EPA 8260	Tetrachloroethene	518000	ug/kg	8800	01/23/18 16:01	
ASTM D2974-87	Percent Moisture	14.7	%	0.10	01/25/18 16:53	
40163585040	**M 15'**					
EPA 8260	Tetrachloroethene	692000	ug/kg	8880	01/23/18 16:23	
ASTM D2974-87	Percent Moisture	15.6	%	0.10	01/25/18 16:53	
40163585041	**N 2-3'**					
EPA 8260	Tetrachloroethene	226	ug/kg	69.9	01/22/18 15:00	
ASTM D2974-87	Percent Moisture	14.2	%	0.10	01/25/18 16:53	
40163585042	**N 5-6'**					
ASTM D2974-87	Percent Moisture	14.4	%	0.10	01/25/18 16:53	
40163585043	**N 9-10'**					
ASTM D2974-87	Percent Moisture	15.2	%	0.10	01/25/18 16:53	
40163585044	**N 15'**					
ASTM D2974-87	Percent Moisture	16.0	%	0.10	01/25/18 16:53	
40163585045	**O 2'**					
EPA 8260	Tetrachloroethene	446	ug/kg	70.1	01/22/18 16:31	
ASTM D2974-87	Percent Moisture	14.5	%	0.10	01/25/18 16:53	
40163585046	**O 6'**					
EPA 8260	sec-Butylbenzene	33.8J	ug/kg	69.5	01/22/18 16:53	
EPA 8260	Isopropylbenzene (Cumene)	88.9	ug/kg	69.5	01/22/18 16:53	
EPA 8260	n-Propylbenzene	39.9J	ug/kg	69.5	01/22/18 16:53	
ASTM D2974-87	Percent Moisture	13.7	%	0.10	01/25/18 16:53	
40163585047	**O 10'**					
ASTM D2974-87	Percent Moisture	13.9	%	0.10	01/25/18 16:53	
40163585048	**P 2'**					
EPA 8260	Tetrachloroethene	156	ug/kg	71.3	01/22/18 21:57	
ASTM D2974-87	Percent Moisture	15.9	%	0.10	01/25/18 16:53	

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SUMMARY OF DETECTION

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40163585049	**P 6'**					
EPA 8260	Tetrachloroethene	132	ug/kg	69.4	01/22/18 17:39	
ASTM D2974-87	Percent Moisture	13.6	%	0.10	01/25/18 16:54	
40163585050	**P 10'**					
EPA 8260	Tetrachloroethene	403	ug/kg	69.1	01/22/18 18:02	
ASTM D2974-87	Percent Moisture	13.2	%	0.10	01/25/18 16:54	
40163585051	**Q 2'**					
EPA 8260	Tetrachloroethene	335	ug/kg	70.5	01/22/18 18:24	
ASTM D2974-87	Percent Moisture	14.9	%	0.10	01/25/18 16:54	
40163585052	**Q 6'**					
EPA 8260	Tetrachloroethene	37.8J	ug/kg	69.8	01/22/18 18:47	
ASTM D2974-87	Percent Moisture	14.0	%	0.10	01/25/18 16:54	
40163585053	**Q 10'**					
ASTM D2974-87	Percent Moisture	15.0	%	0.10	01/25/18 17:14	
40163585054	**R 2'**					
EPA 8260	Tetrachloroethene	69.1J	ug/kg	70.3	01/22/18 21:34	
ASTM D2974-87	Percent Moisture	14.7	%	0.10	01/25/18 17:14	
40163585055	**R 6'**					
ASTM D2974-87	Percent Moisture	14.7	%	0.10	01/25/18 17:13	
40163585056	**R 10'**					
ASTM D2974-87	Percent Moisture	13.7	%	0.10	01/25/18 17:13	
40163585057	**S 2'**					
EPA 8260	Tetrachloroethene	186	ug/kg	71.9	01/23/18 15:16	
ASTM D2974-87	Percent Moisture	16.5	%	0.10	01/25/18 17:13	
40163585058	**S 6'**					
ASTM D2974-87	Percent Moisture	14.2	%	0.10	01/25/18 17:13	
40163585059	**S 10'**					
EPA 8260	Tetrachloroethene	62.3J	ug/kg	69.8	01/19/18 16:23	
ASTM D2974-87	Percent Moisture	14.1	%	0.10	01/25/18 17:13	
40163585060	**T 2-3'**					
EPA 8260	cis-1,2-Dichloroethene	33.2J	ug/kg	70.8	01/22/18 14:34	
ASTM D2974-87	Percent Moisture	15.3	%	0.10	01/25/18 17:13	
40163585061	**T 5-6'**					
ASTM D2974-87	Percent Moisture	14.3	%	0.10	01/25/18 17:13	
40163585062	**T 9-10'**					
ASTM D2974-87	Percent Moisture	13.8	%	0.10	01/25/18 17:14	
40163585063	**T 15'**					
EPA 8260	Tetrachloroethene	49.3J	ug/kg	70.4	01/19/18 17:33	
ASTM D2974-87	Percent Moisture	14.7	%	0.10	01/25/18 17:14	

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SUMMARY OF DETECTION

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40163585064	**U 2-3'**					
EPA 8260	Tetrachloroethene	242	ug/kg	75.1	01/19/18 17:56	
ASTM D2974-87	Percent Moisture	20.1	%	0.10	01/25/18 17:14	
40163585065	**U 5-6'**					
ASTM D2974-87	Percent Moisture	13.4	%	0.10	01/25/18 17:14	
40163585066	**U 9-10'**					
EPA 8260	cis-1,2-Dichloroethene	37.9J	ug/kg	68.6	01/19/18 18:42	
EPA 8260	Tetrachloroethene	754	ug/kg	68.6	01/19/18 18:42	
EPA 8260	Trichloroethene	104	ug/kg	68.6	01/19/18 18:42	
ASTM D2974-87	Percent Moisture	12.5	%	0.10	01/25/18 17:14	
40163585067	**U 15'**					
EPA 8260	Tetrachloroethene	89.4	ug/kg	70.0	01/19/18 19:05	
ASTM D2974-87	Percent Moisture	14.3	%	0.10	01/25/18 17:14	
40163585068	**V 2'**					
EPA 8260	Tetrachloroethene	338	ug/kg	71.4	01/19/18 19:28	
ASTM D2974-87	Percent Moisture	15.9	%	0.10	01/25/18 17:14	
40163585069	**V 6'**					
EPA 8260	Tetrachloroethene	77.2	ug/kg	69.0	01/22/18 12:13	
ASTM D2974-87	Percent Moisture	13.1	%	0.10	01/25/18 17:14	
40163585070	**V 10'**					
EPA 8260	Tetrachloroethene	45.8J	ug/kg	69.1	01/22/18 14:57	
ASTM D2974-87	Percent Moisture	13.2	%	0.10	01/25/18 17:14	
40163585071	**W 2-3'**					
EPA 8260	Tetrachloroethene	136	ug/kg	71.2	01/22/18 15:20	
ASTM D2974-87	Percent Moisture	15.7	%	0.10	01/25/18 17:14	
40163585072	**W 7-8'**					
EPA 8260	Tetrachloroethene	490	ug/kg	66.8	01/22/18 15:43	
EPA 8260	Trichloroethene	35.9J	ug/kg	66.8	01/22/18 15:43	
ASTM D2974-87	Percent Moisture	10.1	%	0.10	01/25/18 17:15	
40163585073	**W 12'**					
ASTM D2974-87	Percent Moisture	13.4	%	0.10	01/25/18 17:46	
40163585074	**X 2-3'**					
EPA 8260	Tetrachloroethene	154	ug/kg	67.7	01/22/18 17:16	
ASTM D2974-87	Percent Moisture	11.4	%	0.10	01/25/18 17:46	
40163585075	**X 7-8'**					
ASTM D2974-87	Percent Moisture	13.2	%	0.10	01/25/18 17:46	
40163585076	**X 9'**					
ASTM D2974-87	Percent Moisture	13.2	%	0.10	01/25/18 17:46	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: A 0-0.5' **Lab ID: 40163585001** Collected: 01/16/18 09:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/22/18 16:06	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/22/18 16:06	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/22/18 16:06	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/22/18 16:06	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/22/18 16:06	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	100-42-5	W

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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: A 0-0.5' **Lab ID: 40163585001** Collected: 01/16/18 09:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	79-34-5	W
Tetrachloroethene	**542**	ug/kg	60.4	25.2	1	01/19/18 06:30	01/22/18 16:06	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/22/18 16:06	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/22/18 16:06	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	99	%	68-130		1	01/19/18 06:30	01/22/18 16:06	1868-53-7	
Toluene-d8 (S)	127	%	68-149		1	01/19/18 06:30	01/22/18 16:06	2037-26-5	
4-Bromofluorobenzene (S)	125	%	58-141		1	01/19/18 06:30	01/22/18 16:06	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:06	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/19/18 12:06	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:06	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:06	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/19/18 12:06	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/19/18 12:06	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/19/18 12:06	75-35-4	
Tetrachloroethene	**0.013**	mg/L	0.010	0.0050	10		01/19/18 12:06	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/19/18 12:06	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/19/18 12:06	75-01-4	
Surrogates									
Toluene-d8 (S)	92	%	70-130		10		01/19/18 12:06	2037-26-5	
4-Bromofluorobenzene (S)	78	%	61-130		10		01/19/18 12:06	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		10		01/19/18 12:06	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**0.70**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: A 2-3' **Lab ID: 40163585002** Collected: 01/16/18 09:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	71-43-2	W
Bromobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	108-86-1	W
Bromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	74-97-5	W
Bromodichloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-27-4	W
Bromoform	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-25-2	W
Bromomethane	**<559**	ug/kg	2000	559	8	01/18/18 08:00	01/18/18 15:33	74-83-9	W
n-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	104-51-8	W
sec-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	135-98-8	W
tert-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	98-06-6	W
Carbon tetrachloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	56-23-5	W
Chlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	108-90-7	W
Chloroethane	**<536**	ug/kg	2000	536	8	01/18/18 08:00	01/18/18 15:33	75-00-3	W
Chloroform	**<372**	ug/kg	2000	372	8	01/18/18 08:00	01/18/18 15:33	67-66-3	W
Chloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	74-87-3	W
2-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	95-49-8	W
4-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	106-43-4	W
1,2-Dibromo-3-chloropropane	**<730**	ug/kg	2000	730	8	01/18/18 08:00	01/18/18 15:33	96-12-8	W
Dibromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	124-48-1	W
1,2-Dibromoethane (EDB)	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	106-93-4	W
Dibromomethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	74-95-3	W
1,2-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	95-50-1	W
1,3-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	541-73-1	W
1,4-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	106-46-7	W
Dichlorodifluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-71-8	W
1,1-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-34-3	W
1,2-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	107-06-2	W
1,1-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-35-4	W
cis-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	156-59-2	W
trans-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	156-60-5	W
1,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	78-87-5	W
1,3-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	142-28-9	W
2,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	594-20-7	W
1,1-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	563-58-6	W
cis-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	10061-01-5	W
trans-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	10061-02-6	W
Diisopropyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	108-20-3	W
Ethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	100-41-4	W
Hexachloro-1,3-butadiene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	87-68-3	W
Isopropylbenzene (Cumene)	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	98-82-8	W
p-Isopropyltoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	99-87-6	W
Methylene Chloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-09-2	W
Methyl-tert-butyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	1634-04-4	W
Naphthalene	**<320**	ug/kg	2000	320	8	01/18/18 08:00	01/18/18 15:33	91-20-3	W
n-Propylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	103-65-1	W
Styrene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: A 2-3' **Lab ID: 40163585002** Collected: 01/16/18 09:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	630-20-6	W
1,1,2,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	79-34-5	W
Tetrachloroethene	**45800**	ug/kg	555	231	8	01/18/18 08:00	01/18/18 15:33	127-18-4	
Toluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	108-88-3	W
1,2,3-Trichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	87-61-6	W
1,2,4-Trichlorobenzene	**<380**	ug/kg	2000	380	8	01/18/18 08:00	01/18/18 15:33	120-82-1	L2,W
1,1,1-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	71-55-6	W
1,1,2-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	79-00-5	W
Trichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	79-01-6	W
Trichlorofluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-69-4	W
1,2,3-Trichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	96-18-4	W
1,2,4-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	95-63-6	W
1,3,5-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	108-67-8	W
Vinyl chloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-01-4	W
m&p-Xylene	**<400**	ug/kg	960	400	8	01/18/18 08:00	01/18/18 15:33	179601-23-1	W
o-Xylene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	131	%	68-130		8	01/18/18 08:00	01/18/18 15:33	1868-53-7	1q
Toluene-d8 (S)	96	%	68-149		8	01/18/18 08:00	01/18/18 15:33	2037-26-5	
4-Bromofluorobenzene (S)	81	%	58-141		8	01/18/18 08:00	01/18/18 15:33	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/22/18 08:52	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/22/18 08:52	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/22/18 08:52	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/22/18 08:52	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/22/18 08:52	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/22/18 08:52	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/22/18 08:52	75-35-4	
Tetrachloroethene	**0.77**	mg/L	0.010	0.0050	10		01/22/18 08:52	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/22/18 08:52	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/22/18 08:52	75-01-4	
Surrogates									
Toluene-d8 (S)	87	%	70-130		10		01/22/18 08:52	2037-26-5	
4-Bromofluorobenzene (S)	80	%	61-130		10		01/22/18 08:52	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		10		01/22/18 08:52	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.5**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: A 15' **Lab ID: 40163585003** Collected: 01/16/18 10:05 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	71-43-2	W
Bromobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	108-86-1	W
Bromochloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	74-97-5	W
Bromodichloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-27-4	W
Bromoform	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-25-2	W
Bromomethane	**<1400**	ug/kg	5000	1400	20	01/18/18 08:00	01/18/18 15:56	74-83-9	W
n-Butylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	104-51-8	W
sec-Butylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	135-98-8	W
tert-Butylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	98-06-6	W
Carbon tetrachloride	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	56-23-5	W
Chlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	108-90-7	W
Chloroethane	**<1340**	ug/kg	5000	1340	20	01/18/18 08:00	01/18/18 15:56	75-00-3	W
Chloroform	**<929**	ug/kg	5000	929	20	01/18/18 08:00	01/18/18 15:56	67-66-3	W
Chloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	74-87-3	W
2-Chlorotoluene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	95-49-8	W
4-Chlorotoluene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	106-43-4	W
1,2-Dibromo-3-chloropropane	**<1820**	ug/kg	5000	1820	20	01/18/18 08:00	01/18/18 15:56	96-12-8	W
Dibromochloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	124-48-1	W
1,2-Dibromoethane (EDB)	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	106-93-4	W
Dibromomethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	74-95-3	W
1,2-Dichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	95-50-1	W
1,3-Dichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	541-73-1	W
1,4-Dichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	106-46-7	W
Dichlorodifluoromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-71-8	W
1,1-Dichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-34-3	W
1,2-Dichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	107-06-2	W
1,1-Dichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-35-4	W
cis-1,2-Dichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	156-59-2	W
trans-1,2-Dichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	156-60-5	W
1,2-Dichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	78-87-5	W
1,3-Dichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	142-28-9	W
2,2-Dichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	594-20-7	W
1,1-Dichloropropene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	563-58-6	W
cis-1,3-Dichloropropene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	10061-01-5	W
trans-1,3-Dichloropropene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	10061-02-6	W
Diisopropyl ether	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	108-20-3	W
Ethylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	100-41-4	W
Hexachloro-1,3-butadiene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	87-68-3	W
Isopropylbenzene (Cumene)	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	98-82-8	W
p-Isopropyltoluene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	99-87-6	W
Methylene Chloride	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-09-2	W
Methyl-tert-butyl ether	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	1634-04-4	W
Naphthalene	**<801**	ug/kg	5000	801	20	01/18/18 08:00	01/18/18 15:56	91-20-3	W
n-Propylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	103-65-1	W
Styrene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: A 15' **Lab ID: 40163585003** Collected: 01/16/18 10:05 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	630-20-6	W
1,1,2,2-Tetrachloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	79-34-5	W
Tetrachloroethene	**127000**	ug/kg	1460	608	20	01/18/18 08:00	01/18/18 15:56	127-18-4	
Toluene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	108-88-3	W
1,2,3-Trichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	87-61-6	W
1,2,4-Trichlorobenzene	**<951**	ug/kg	5000	951	20	01/18/18 08:00	01/18/18 15:56	120-82-1	L2,W
1,1,1-Trichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	71-55-6	W
1,1,2-Trichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	79-00-5	W
Trichloroethene	**845J**	ug/kg	1460	608	20	01/18/18 08:00	01/18/18 15:56	79-01-6	
Trichlorofluoromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-69-4	W
1,2,3-Trichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	96-18-4	W
1,2,4-Trimethylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	95-63-6	W
1,3,5-Trimethylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	108-67-8	W
Vinyl chloride	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-01-4	W
m&p-Xylene	**<1000**	ug/kg	2400	1000	20	01/18/18 08:00	01/18/18 15:56	179601-23-1	W
o-Xylene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	68-130		20	01/18/18 08:00	01/18/18 15:56	1868-53-7	S4
Toluene-d8 (S)	0	%	68-149		20	01/18/18 08:00	01/18/18 15:56	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	58-141		20	01/18/18 08:00	01/18/18 15:56	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.8**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: B 0-0.5' **Lab ID: 40163585004** Collected: 01/16/18 10:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/19/18 10:24	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/19/18 10:24	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/19/18 10:24	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/19/18 10:24	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/19/18 10:24	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: B 0-0.5' **Lab ID: 40163585004** Collected: 01/16/18 10:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	79-34-5	W
Tetrachloroethene	**679**	ug/kg	63.1	26.3	1	01/18/18 08:00	01/19/18 10:24	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/19/18 10:24	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:00	01/19/18 10:24	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	139	%	68-130		1	01/18/18 08:00	01/19/18 10:24	1868-53-7	S1
Toluene-d8 (S)	139	%	68-149		1	01/18/18 08:00	01/19/18 10:24	2037-26-5	
4-Bromofluorobenzene (S)	121	%	58-141		1	01/18/18 08:00	01/19/18 10:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.0**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: B 2-3' **Lab ID: 40163585005** Collected: 01/16/18 10:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	71-43-2	W
Bromobenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	108-86-1	W
Bromochloromethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	74-97-5	W
Bromodichloromethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-27-4	W
Bromoform	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-25-2	W
Bromomethane	**<699**	ug/kg	2500	699	10	01/18/18 08:00	01/19/18 12:17	74-83-9	W
n-Butylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	104-51-8	W
sec-Butylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	135-98-8	W
tert-Butylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	98-06-6	W
Carbon tetrachloride	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	56-23-5	W
Chlorobenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	108-90-7	W
Chloroethane	**<670**	ug/kg	2500	670	10	01/18/18 08:00	01/19/18 12:17	75-00-3	W
Chloroform	**<464**	ug/kg	2500	464	10	01/18/18 08:00	01/19/18 12:17	67-66-3	W
Chloromethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	74-87-3	W
2-Chlorotoluene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	95-49-8	W
4-Chlorotoluene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	106-43-4	W
1,2-Dibromo-3-chloropropane	**<912**	ug/kg	2500	912	10	01/18/18 08:00	01/19/18 12:17	96-12-8	W
Dibromochloromethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	124-48-1	W
1,2-Dibromoethane (EDB)	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	106-93-4	W
Dibromomethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	74-95-3	W
1,2-Dichlorobenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	95-50-1	W
1,3-Dichlorobenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	541-73-1	W
1,4-Dichlorobenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	106-46-7	W
Dichlorodifluoromethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-71-8	W
1,1-Dichloroethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-34-3	W
1,2-Dichloroethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	107-06-2	W
1,1-Dichloroethene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-35-4	W
cis-1,2-Dichloroethene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	156-59-2	W
trans-1,2-Dichloroethene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	156-60-5	W
1,2-Dichloropropane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	78-87-5	W
1,3-Dichloropropane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	142-28-9	W
2,2-Dichloropropane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	594-20-7	W
1,1-Dichloropropene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	563-58-6	W
cis-1,3-Dichloropropene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	10061-01-5	W
trans-1,3-Dichloropropene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	10061-02-6	W
Diisopropyl ether	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	108-20-3	W
Ethylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	100-41-4	W
Hexachloro-1,3-butadiene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	87-68-3	W
Isopropylbenzene (Cumene)	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	98-82-8	W
p-Isopropyltoluene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	99-87-6	W
Methylene Chloride	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-09-2	W
Methyl-tert-butyl ether	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	1634-04-4	W
Naphthalene	**<400**	ug/kg	2500	400	10	01/18/18 08:00	01/19/18 12:17	91-20-3	W
n-Propylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	103-65-1	W
Styrene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: B 2-3' **Lab ID: 40163585005** Collected: 01/16/18 10:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	630-20-6	W
1,1,2,2-Tetrachloroethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	79-34-5	W
Tetrachloroethene	**69900**	ug/kg	699	291	10	01/18/18 08:00	01/19/18 12:17	127-18-4	
Toluene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	108-88-3	W
1,2,3-Trichlorobenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	87-61-6	W
1,2,4-Trichlorobenzene	**<476**	ug/kg	2500	476	10	01/18/18 08:00	01/19/18 12:17	120-82-1	L2,W
1,1,1-Trichloroethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	71-55-6	W
1,1,2-Trichloroethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	79-00-5	W
Trichloroethene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	79-01-6	W
Trichlorofluoromethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-69-4	W
1,2,3-Trichloropropane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	96-18-4	W
1,2,4-Trimethylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	95-63-6	W
1,3,5-Trimethylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	108-67-8	W
Vinyl chloride	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-01-4	W
m&p-Xylene	**<500**	ug/kg	1200	500	10	01/18/18 08:00	01/19/18 12:17	179601-23-1	W
o-Xylene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	139	%	68-130		10	01/18/18 08:00	01/19/18 12:17	1868-53-7	S1
Toluene-d8 (S)	96	%	68-149		10	01/18/18 08:00	01/19/18 12:17	2037-26-5	
4-Bromofluorobenzene (S)	81	%	58-141		10	01/18/18 08:00	01/19/18 12:17	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/22/18 09:15	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/22/18 09:15	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/22/18 09:15	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/22/18 09:15	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/22/18 09:15	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/22/18 09:15	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/22/18 09:15	75-35-4	
Tetrachloroethene	**1.1**	mg/L	0.010	0.0050	10		01/22/18 09:15	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/22/18 09:15	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/22/18 09:15	75-01-4	
Surrogates									
Toluene-d8 (S)	93	%	70-130		10		01/22/18 09:15	2037-26-5	
4-Bromofluorobenzene (S)	79	%	61-130		10		01/22/18 09:15	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		10		01/22/18 09:15	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.2**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: B 15' **Lab ID: 40163585006** Collected: 01/16/18 10:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	71-43-2	W
Bromobenzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	108-86-1	W
Bromochloromethane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	74-97-5	W
Bromodichloromethane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	75-27-4	W
Bromoform	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	75-25-2	W
Bromomethane	**<5590**	ug/kg	20000	5590	80	01/18/18 08:00	01/18/18 16:41	74-83-9	W
n-Butylbenzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	104-51-8	W
sec-Butylbenzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	135-98-8	W
tert-Butylbenzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	98-06-6	W
Carbon tetrachloride	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	56-23-5	W
Chlorobenzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	108-90-7	W
Chloroethane	**<5360**	ug/kg	20000	5360	80	01/18/18 08:00	01/18/18 16:41	75-00-3	W
Chloroform	**<3720**	ug/kg	20000	3720	80	01/18/18 08:00	01/18/18 16:41	67-66-3	W
Chloromethane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	74-87-3	W
2-Chlorotoluene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	95-49-8	W
4-Chlorotoluene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	106-43-4	W
1,2-Dibromo-3-chloropropane	**<7300**	ug/kg	20000	7300	80	01/18/18 08:00	01/18/18 16:41	96-12-8	W
Dibromochloromethane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	124-48-1	W
1,2-Dibromoethane (EDB)	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	106-93-4	W
Dibromomethane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	74-95-3	W
1,2-Dichlorobenzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	95-50-1	W
1,3-Dichlorobenzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	541-73-1	W
1,4-Dichlorobenzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	106-46-7	W
Dichlorodifluoromethane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	75-71-8	W
1,1-Dichloroethane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	75-34-3	W
1,2-Dichloroethane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	107-06-2	W
1,1-Dichloroethene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	75-35-4	W
cis-1,2-Dichloroethene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	156-59-2	W
trans-1,2-Dichloroethene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	156-60-5	W
1,2-Dichloropropane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	78-87-5	W
1,3-Dichloropropane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	142-28-9	W
2,2-Dichloropropane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	594-20-7	W
1,1-Dichloropropene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	563-58-6	W
cis-1,3-Dichloropropene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	10061-01-5	W
trans-1,3-Dichloropropene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	10061-02-6	W
Diisopropyl ether	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	108-20-3	W
Ethylbenzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	100-41-4	W
Hexachloro-1,3-butadiene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	87-68-3	W
Isopropylbenzene (Cumene)	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	98-82-8	W
p-Isopropyltoluene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	99-87-6	W
Methylene Chloride	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	75-09-2	W
Methyl-tert-butyl ether	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	1634-04-4	W
Naphthalene	**<3200**	ug/kg	20000	3200	80	01/18/18 08:00	01/18/18 16:41	91-20-3	W
n-Propylbenzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	103-65-1	W
Styrene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: B 15' **Lab ID: 40163585006** Collected: 01/16/18 10:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	630-20-6	W
1,1,2,2-Tetrachloroethane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	79-34-5	W
Tetrachloroethene	**460000**	ug/kg	5630	2350	80	01/18/18 08:00	01/18/18 16:41	127-18-4	
Toluene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	108-88-3	W
1,2,3-Trichlorobenzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	87-61-6	W
1,2,4-Trichlorobenzene	**<3800**	ug/kg	20000	3800	80	01/18/18 08:00	01/18/18 16:41	120-82-1	L2,W
1,1,1-Trichloroethane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	71-55-6	W
1,1,2-Trichloroethane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	79-00-5	W
Trichloroethene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	79-01-6	W
Trichlorofluoromethane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	75-69-4	W
1,2,3-Trichloropropane	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	96-18-4	W
1,2,4-Trimethylbenzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	95-63-6	W
1,3,5-Trimethylbenzene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	108-67-8	W
Vinyl chloride	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	75-01-4	W
m&p-Xylene	**<4000**	ug/kg	9600	4000	80	01/18/18 08:00	01/18/18 16:41	179601-23-1	W
o-Xylene	**<2000**	ug/kg	4800	2000	80	01/18/18 08:00	01/18/18 16:41	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	68-130		80	01/18/18 08:00	01/18/18 16:41	1868-53-7	S4
Toluene-d8 (S)	0	%	68-149		80	01/18/18 08:00	01/18/18 16:41	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	58-141		80	01/18/18 08:00	01/18/18 16:41	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 0-0.5' **Lab ID: 40163585007** Collected: 01/15/18 10:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/18/18 15:11	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/18/18 15:11	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/18/18 15:11	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/18/18 15:11	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	108-20-3	W
Ethylbenzene	**46.4J**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/18/18 15:11	100-41-4	
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/18/18 15:11	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 0-0.5' **Lab ID: 40163585007** Collected: 01/15/18 10:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	79-34-5	W
Tetrachloroethene	**517**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/18/18 15:11	127-18-4	
Toluene	**390**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/18/18 15:11	108-88-3	
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/18/18 15:11	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	96-18-4	W
1,2,4-Trimethylbenzene	**50.2J**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/18/18 15:11	95-63-6	
1,3,5-Trimethylbenzene	**26.0J**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/18/18 15:11	108-67-8	
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-01-4	W
m&p-Xylene	**229**	ug/kg	121	50.6	1	01/18/18 08:00	01/18/18 15:11	179601-23-1	
o-Xylene	**90.4**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/18/18 15:11	95-47-6	
Surrogates									
Dibromofluoromethane (S)	124	%	68-130		1	01/18/18 08:00	01/18/18 15:11	1868-53-7	
Toluene-d8 (S)	117	%	68-149		1	01/18/18 08:00	01/18/18 15:11	2037-26-5	
4-Bromofluorobenzene (S)	104	%	58-141		1	01/18/18 08:00	01/18/18 15:11	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:32	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/19/18 12:32	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:32	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:32	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/19/18 12:32	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/19/18 12:32	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/19/18 12:32	75-35-4	
Tetrachloroethene	**0.0059J**	mg/L	0.010	0.0050	10		01/19/18 12:32	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/19/18 12:32	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/19/18 12:32	75-01-4	
Surrogates									
Toluene-d8 (S)	96	%	70-130		10		01/19/18 12:32	2037-26-5	
4-Bromofluorobenzene (S)	82	%	61-130		10		01/19/18 12:32	460-00-4	
Dibromofluoromethane (S)	112	%	67-130		10		01/19/18 12:32	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**1.2**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 2-3' **Lab ID: 40163585008** Collected: 01/15/18 10:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	71-43-2	W
Bromobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	108-86-1	W
Bromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	74-97-5	W
Bromodichloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	75-27-4	W
Bromoform	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	75-25-2	W
Bromomethane	**<559**	ug/kg	2000	559	8	01/18/18 08:00	01/18/18 17:04	74-83-9	W
n-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	104-51-8	W
sec-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	135-98-8	W
tert-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	98-06-6	W
Carbon tetrachloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	56-23-5	W
Chlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	108-90-7	W
Chloroethane	**<536**	ug/kg	2000	536	8	01/18/18 08:00	01/18/18 17:04	75-00-3	W
Chloroform	**<372**	ug/kg	2000	372	8	01/18/18 08:00	01/18/18 17:04	67-66-3	W
Chloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	74-87-3	W
2-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	95-49-8	W
4-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	106-43-4	W
1,2-Dibromo-3-chloropropane	**<730**	ug/kg	2000	730	8	01/18/18 08:00	01/18/18 17:04	96-12-8	W
Dibromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	124-48-1	W
1,2-Dibromoethane (EDB)	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	106-93-4	W
Dibromomethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	74-95-3	W
1,2-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	95-50-1	W
1,3-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	541-73-1	W
1,4-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	106-46-7	W
Dichlorodifluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	75-71-8	W
1,1-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	75-34-3	W
1,2-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	107-06-2	W
1,1-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	75-35-4	W
cis-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	156-59-2	W
trans-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	156-60-5	W
1,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	78-87-5	W
1,3-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	142-28-9	W
2,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	594-20-7	W
1,1-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	563-58-6	W
cis-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	10061-01-5	W
trans-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	10061-02-6	W
Diisopropyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	108-20-3	W
Ethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	100-41-4	W
Hexachloro-1,3-butadiene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	87-68-3	W
Isopropylbenzene (Cumene)	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	98-82-8	W
p-Isopropyltoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	99-87-6	W
Methylene Chloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	75-09-2	W
Methyl-tert-butyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	1634-04-4	W
Naphthalene	**<320**	ug/kg	2000	320	8	01/18/18 08:00	01/18/18 17:04	91-20-3	W
n-Propylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	103-65-1	W
Styrene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 2-3' **Lab ID: 40163585008** Collected: 01/15/18 10:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	630-20-6	W
1,1,2,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	79-34-5	W
Tetrachloroethene	**38500**	ug/kg	558	232	8	01/18/18 08:00	01/18/18 17:04	127-18-4	
Toluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	108-88-3	W
1,2,3-Trichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	87-61-6	W
1,2,4-Trichlorobenzene	**<380**	ug/kg	2000	380	8	01/18/18 08:00	01/18/18 17:04	120-82-1	L2,W
1,1,1-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	71-55-6	W
1,1,2-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	79-00-5	W
Trichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	79-01-6	W
Trichlorofluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	75-69-4	W
1,2,3-Trichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	96-18-4	W
1,2,4-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	95-63-6	W
1,3,5-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	108-67-8	W
Vinyl chloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	75-01-4	W
m&p-Xylene	**<400**	ug/kg	960	400	8	01/18/18 08:00	01/18/18 17:04	179601-23-1	W
o-Xylene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:04	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	131	%	68-130		8	01/18/18 08:00	01/18/18 17:04	1868-53-7	1q
Toluene-d8 (S)	85	%	68-149		8	01/18/18 08:00	01/18/18 17:04	2037-26-5	
4-Bromofluorobenzene (S)	67	%	58-141		8	01/18/18 08:00	01/18/18 17:04	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.0**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 8-9' **Lab ID: 40163585009** Collected: 01/15/18 11:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	71-43-2	W
Bromobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	108-86-1	W
Bromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	74-97-5	W
Bromodichloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-27-4	W
Bromoform	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-25-2	W
Bromomethane	**<559**	ug/kg	2000	559	8	01/18/18 08:00	01/18/18 17:26	74-83-9	W
n-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	104-51-8	W
sec-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	135-98-8	W
tert-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	98-06-6	W
Carbon tetrachloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	56-23-5	W
Chlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	108-90-7	W
Chloroethane	**<536**	ug/kg	2000	536	8	01/18/18 08:00	01/18/18 17:26	75-00-3	W
Chloroform	**<372**	ug/kg	2000	372	8	01/18/18 08:00	01/18/18 17:26	67-66-3	W
Chloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	74-87-3	W
2-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	95-49-8	W
4-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	106-43-4	W
1,2-Dibromo-3-chloropropane	**<730**	ug/kg	2000	730	8	01/18/18 08:00	01/18/18 17:26	96-12-8	W
Dibromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	124-48-1	W
1,2-Dibromoethane (EDB)	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	106-93-4	W
Dibromomethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	74-95-3	W
1,2-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	95-50-1	W
1,3-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	541-73-1	W
1,4-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	106-46-7	W
Dichlorodifluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-71-8	W
1,1-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-34-3	W
1,2-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	107-06-2	W
1,1-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-35-4	W
cis-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	156-59-2	W
trans-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	156-60-5	W
1,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	78-87-5	W
1,3-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	142-28-9	W
2,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	594-20-7	W
1,1-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	563-58-6	W
cis-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	10061-01-5	W
trans-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	10061-02-6	W
Diisopropyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	108-20-3	W
Ethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	100-41-4	W
Hexachloro-1,3-butadiene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	87-68-3	W
Isopropylbenzene (Cumene)	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	98-82-8	W
p-Isopropyltoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	99-87-6	W
Methylene Chloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-09-2	W
Methyl-tert-butyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	1634-04-4	W
Naphthalene	**<320**	ug/kg	2000	320	8	01/18/18 08:00	01/18/18 17:26	91-20-3	W
n-Propylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	103-65-1	W
Styrene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 8-9' **Lab ID: 40163585009** Collected: 01/15/18 11:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	630-20-6	W
1,1,2,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	79-34-5	W
Tetrachloroethene	**46100**	ug/kg	558	232	8	01/18/18 08:00	01/18/18 17:26	127-18-4	
Toluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	108-88-3	W
1,2,3-Trichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	87-61-6	W
1,2,4-Trichlorobenzene	**<380**	ug/kg	2000	380	8	01/18/18 08:00	01/18/18 17:26	120-82-1	L2,W
1,1,1-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	71-55-6	W
1,1,2-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	79-00-5	W
Trichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	79-01-6	W
Trichlorofluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-69-4	W
1,2,3-Trichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	96-18-4	W
1,2,4-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	95-63-6	W
1,3,5-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	108-67-8	W
Vinyl chloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-01-4	W
m&p-Xylene	**<400**	ug/kg	960	400	8	01/18/18 08:00	01/18/18 17:26	179601-23-1	W
o-Xylene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	122	%	68-130		8	01/18/18 08:00	01/18/18 17:26	1868-53-7	
Toluene-d8 (S)	80	%	68-149		8	01/18/18 08:00	01/18/18 17:26	2037-26-5	
4-Bromofluorobenzene (S)	67	%	58-141		8	01/18/18 08:00	01/18/18 17:26	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:54	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/19/18 12:54	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:54	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:54	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/19/18 12:54	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/19/18 12:54	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/19/18 12:54	75-35-4	
Tetrachloroethene	**0.14**	mg/L	0.010	0.0050	10		01/19/18 12:54	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/19/18 12:54	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/19/18 12:54	75-01-4	
Surrogates									
Toluene-d8 (S)	95	%	70-130		10		01/19/18 12:54	2037-26-5	
4-Bromofluorobenzene (S)	83	%	61-130		10		01/19/18 12:54	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		10		01/19/18 12:54	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.9**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 15' **Lab ID: 40163585010** Collected: 01/15/18 11:35 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/19/18 11:09	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/19/18 11:09	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/19/18 11:09	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/19/18 11:09	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/19/18 11:09	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 15' **Lab ID: 40163585010** Collected: 01/15/18 11:35 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	79-34-5	W
Tetrachloroethene	**48.6J**	ug/kg	70.0	29.2	1	01/18/18 08:00	01/19/18 11:09	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/19/18 11:09	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:00	01/19/18 11:09	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:09	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	68-130		1	01/18/18 08:00	01/19/18 11:09	1868-53-7	
Toluene-d8 (S)	90	%	68-149		1	01/18/18 08:00	01/19/18 11:09	2037-26-5	
4-Bromofluorobenzene (S)	75	%	58-141		1	01/18/18 08:00	01/19/18 11:09	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.3**	%	0.10	0.10	1		01/22/18 11:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 20' **Lab ID: 40163585011** Collected: 01/15/18 12:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/18/18 11:48	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/18/18 11:48	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/18/18 11:48	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/18/18 11:48	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/18/18 11:48	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 20' **Lab ID: 40163585011** Collected: 01/15/18 12:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/18/18 11:48	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:00	01/18/18 11:48	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 11:48	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	120	%	68-130		1	01/18/18 08:00	01/18/18 11:48	1868-53-7	
Toluene-d8 (S)	97	%	68-149		1	01/18/18 08:00	01/18/18 11:48	2037-26-5	
4-Bromofluorobenzene (S)	82	%	58-141		1	01/18/18 08:00	01/18/18 11:48	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.8**	%	0.10	0.10	1		01/22/18 11:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: E 0-0.5' **Lab ID: 40163585012** Collected: 01/16/18 09:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/19/18 10:47	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/19/18 10:47	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/19/18 10:47	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/19/18 10:47	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/19/18 10:47	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: E 0-0.5' **Lab ID: 40163585012** Collected: 01/16/18 09:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	79-34-5	W
Tetrachloroethene	**2120**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/19/18 10:47	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/19/18 10:47	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:00	01/19/18 10:47	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	144	%	68-130		1	01/18/18 08:00	01/19/18 10:47	1868-53-7	S1
Toluene-d8 (S)	129	%	68-149		1	01/18/18 08:00	01/19/18 10:47	2037-26-5	
4-Bromofluorobenzene (S)	113	%	58-141		1	01/18/18 08:00	01/19/18 10:47	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 13:17	71-43-2	
2-Butanone (MEK)	**0.047J**	mg/L	0.20	0.030	10		01/19/18 13:17	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 13:17	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 13:17	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/19/18 13:17	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/19/18 13:17	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/19/18 13:17	75-35-4	
Tetrachloroethene	**0.029**	mg/L	0.010	0.0050	10		01/19/18 13:17	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/19/18 13:17	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/19/18 13:17	75-01-4	
Surrogates									
Toluene-d8 (S)	93	%	70-130		10		01/19/18 13:17	2037-26-5	
4-Bromofluorobenzene (S)	82	%	61-130		10		01/19/18 13:17	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		10		01/19/18 13:17	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**1.1**	%	0.10	0.10	1		01/22/18 10:32		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: F 2-3' **Lab ID: 40163585013** Collected: 01/15/18 09:25 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	71-43-2	W
Bromobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	108-86-1	W
Bromochloromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	74-97-5	W
Bromodichloromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	75-27-4	W
Bromoform	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	75-25-2	W
Bromomethane	**<140**	ug/kg	500	140	2	01/18/18 08:00	01/19/18 12:40	74-83-9	W
n-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	104-51-8	W
sec-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	135-98-8	W
tert-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	98-06-6	W
Carbon tetrachloride	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	56-23-5	W
Chlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	108-90-7	W
Chloroethane	**<134**	ug/kg	500	134	2	01/18/18 08:00	01/19/18 12:40	75-00-3	W
Chloroform	**<92.9**	ug/kg	500	92.9	2	01/18/18 08:00	01/19/18 12:40	67-66-3	W
Chloromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	74-87-3	W
2-Chlorotoluene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	95-49-8	W
4-Chlorotoluene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	106-43-4	W
1,2-Dibromo-3-chloropropane	**<182**	ug/kg	500	182	2	01/18/18 08:00	01/19/18 12:40	96-12-8	W
Dibromochloromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	124-48-1	W
1,2-Dibromoethane (EDB)	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	106-93-4	W
Dibromomethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	74-95-3	W
1,2-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	95-50-1	W
1,3-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	541-73-1	W
1,4-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	106-46-7	W
Dichlorodifluoromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	75-71-8	W
1,1-Dichloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	75-34-3	W
1,2-Dichloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	107-06-2	W
1,1-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	75-35-4	W
cis-1,2-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	156-59-2	W
trans-1,2-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	156-60-5	W
1,2-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	78-87-5	W
1,3-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	142-28-9	W
2,2-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	594-20-7	W
1,1-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	563-58-6	W
cis-1,3-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	10061-01-5	W
trans-1,3-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	10061-02-6	W
Diisopropyl ether	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	108-20-3	W
Ethylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	100-41-4	W
Hexachloro-1,3-butadiene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	87-68-3	W
Isopropylbenzene (Cumene)	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	98-82-8	W
p-Isopropyltoluene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	99-87-6	W
Methylene Chloride	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	75-09-2	W
Methyl-tert-butyl ether	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	1634-04-4	W
Naphthalene	**<80.1**	ug/kg	500	80.1	2	01/18/18 08:00	01/19/18 12:40	91-20-3	W
n-Propylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	103-65-1	W
Styrene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: F 2-3' **Lab ID: 40163585013** Collected: 01/15/18 09:25 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	630-20-6	W
1,1,2,2-Tetrachloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	79-34-5	W
Tetrachloroethene	**11800**	ug/kg	137	57.2	2	01/18/18 08:00	01/19/18 12:40	127-18-4	
Toluene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	108-88-3	W
1,2,3-Trichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	87-61-6	W
1,2,4-Trichlorobenzene	**<95.1**	ug/kg	500	95.1	2	01/18/18 08:00	01/19/18 12:40	120-82-1	L2,W
1,1,1-Trichloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	71-55-6	W
1,1,2-Trichloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	79-00-5	W
Trichloroethene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	79-01-6	W
Trichlorofluoromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	75-69-4	W
1,2,3-Trichloropropane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	96-18-4	W
1,2,4-Trimethylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	95-63-6	W
1,3,5-Trimethylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	108-67-8	W
Vinyl chloride	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	75-01-4	W
m&p-Xylene	**<100**	ug/kg	240	100	2	01/18/18 08:00	01/19/18 12:40	179601-23-1	W
o-Xylene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:00	01/19/18 12:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	131	%	68-130		2	01/18/18 08:00	01/19/18 12:40	1868-53-7	S1
Toluene-d8 (S)	90	%	68-149		2	01/18/18 08:00	01/19/18 12:40	2037-26-5	
4-Bromofluorobenzene (S)	77	%	58-141		2	01/18/18 08:00	01/19/18 12:40	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.6**	%	0.10	0.10	1		01/22/18 10:32		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: F 8-9' **Lab ID: 40163585014** Collected: 01/15/18 10:05 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	71-43-2	W
Bromobenzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	108-86-1	W
Bromochloromethane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	74-97-5	W
Bromodichloromethane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	75-27-4	W
Bromoform	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	75-25-2	W
Bromomethane	**<175000**	ug/kg	625000	175000	2500	01/18/18 08:00	01/18/18 18:57	74-83-9	W
n-Butylbenzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	104-51-8	W
sec-Butylbenzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	135-98-8	W
tert-Butylbenzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	98-06-6	W
Carbon tetrachloride	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	56-23-5	W
Chlorobenzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	108-90-7	W
Chloroethane	**<168000**	ug/kg	625000	168000	2500	01/18/18 08:00	01/18/18 18:57	75-00-3	W
Chloroform	**<116000**	ug/kg	625000	116000	2500	01/18/18 08:00	01/18/18 18:57	67-66-3	W
Chloromethane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	74-87-3	W
2-Chlorotoluene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	95-49-8	W
4-Chlorotoluene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	106-43-4	W
1,2-Dibromo-3-chloropropane	**<228000**	ug/kg	625000	228000	2500	01/18/18 08:00	01/18/18 18:57	96-12-8	W
Dibromochloromethane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	124-48-1	W
1,2-Dibromoethane (EDB)	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	106-93-4	W
Dibromomethane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	74-95-3	W
1,2-Dichlorobenzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	95-50-1	W
1,3-Dichlorobenzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	541-73-1	W
1,4-Dichlorobenzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	106-46-7	W
Dichlorodifluoromethane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	75-71-8	W
1,1-Dichloroethane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	75-34-3	W
1,2-Dichloroethane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	107-06-2	W
1,1-Dichloroethene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	75-35-4	W
cis-1,2-Dichloroethene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	156-59-2	W
trans-1,2-Dichloroethene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	156-60-5	W
1,2-Dichloropropane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	78-87-5	W
1,3-Dichloropropane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	142-28-9	W
2,2-Dichloropropane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	594-20-7	W
1,1-Dichloropropene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	563-58-6	W
cis-1,3-Dichloropropene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	10061-01-5	W
trans-1,3-Dichloropropene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	10061-02-6	W
Diisopropyl ether	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	108-20-3	W
Ethylbenzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	100-41-4	W
Hexachloro-1,3-butadiene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	87-68-3	W
Isopropylbenzene (Cumene)	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	98-82-8	W
p-Isopropyltoluene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	99-87-6	W
Methylene Chloride	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	75-09-2	W
Methyl-tert-butyl ether	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	1634-04-4	W
Naphthalene	**<100000**	ug/kg	625000	100000	2500	01/18/18 08:00	01/18/18 18:57	91-20-3	W
n-Propylbenzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	103-65-1	W
Styrene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: F 8-9' **Lab ID: 40163585014** Collected: 01/15/18 10:05 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	630-20-6	W
1,1,2,2-Tetrachloroethane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	79-34-5	W
Tetrachloroethene	**19100000**	ug/kg	183000	76100	2500	01/18/18 08:00	01/18/18 18:57	127-18-4	
Toluene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	108-88-3	W
1,2,3-Trichlorobenzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	87-61-6	W
1,2,4-Trichlorobenzene	**<119000**	ug/kg	625000	119000	2500	01/18/18 08:00	01/18/18 18:57	120-82-1	L2,W
1,1,1-Trichloroethane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	71-55-6	W
1,1,2-Trichloroethane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	79-00-5	W
Trichloroethene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	79-01-6	W
Trichlorofluoromethane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	75-69-4	W
1,2,3-Trichloropropane	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	96-18-4	W
1,2,4-Trimethylbenzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	95-63-6	W
1,3,5-Trimethylbenzene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	108-67-8	W
Vinyl chloride	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	75-01-4	W
m&p-Xylene	**<125000**	ug/kg	300000	125000	2500	01/18/18 08:00	01/18/18 18:57	179601-23-1	W
o-Xylene	**<62500**	ug/kg	150000	62500	2500	01/18/18 08:00	01/18/18 18:57	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	68-130		2500	01/18/18 08:00	01/18/18 18:57	1868-53-7	S4
Toluene-d8 (S)	0	%	68-149		2500	01/18/18 08:00	01/18/18 18:57	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	58-141		2500	01/18/18 08:00	01/18/18 18:57	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.8**	%	0.10	0.10	1		01/22/18 11:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: F 15' **Lab ID: 40163585015** Collected: 01/15/18 10:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/18/18 12:55	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/18/18 12:55	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/18/18 12:55	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/18/18 12:55	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	75-35-4	W
cis-1,2-Dichloroethene	**41.4J**	ug/kg	71.0	29.6	1	01/18/18 08:00	01/18/18 12:55	156-59-2	
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/18/18 12:55	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: F 15' **Lab ID: 40163585015** Collected: 01/15/18 10:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	79-34-5	W
Tetrachloroethene	**2070**	ug/kg	71.0	29.6	1	01/18/18 08:00	01/18/18 12:55	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/18/18 12:55	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	79-00-5	W
Trichloroethene	**86.3**	ug/kg	71.0	29.6	1	01/18/18 08:00	01/18/18 12:55	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:00	01/18/18 12:55	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 12:55	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	68-130		1	01/18/18 08:00	01/18/18 12:55	1868-53-7	
Toluene-d8 (S)	92	%	68-149		1	01/18/18 08:00	01/18/18 12:55	2037-26-5	
4-Bromofluorobenzene (S)	79	%	58-141		1	01/18/18 08:00	01/18/18 12:55	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.5**	%	0.10	0.10	1		01/22/18 11:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: F 16' **Lab ID: 40163585016** Collected: 01/15/18 10:25 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/18/18 13:18	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/18/18 13:18	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/18/18 13:18	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/18/18 13:18	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/18/18 13:18	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: F 16' **Lab ID: 40163585016** Collected: 01/15/18 10:25 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	79-34-5	W
Tetrachloroethene	**416**	ug/kg	72.0	30.0	1	01/18/18 08:00	01/18/18 13:18	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/18/18 13:18	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:00	01/18/18 13:18	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:18	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	68-130		1	01/18/18 08:00	01/18/18 13:18	1868-53-7	
Toluene-d8 (S)	86	%	68-149		1	01/18/18 08:00	01/18/18 13:18	2037-26-5	
4-Bromofluorobenzene (S)	75	%	58-141		1	01/18/18 08:00	01/18/18 13:18	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.7**	%	0.10	0.10	1		01/22/18 11:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: H 2-3' **Lab ID: 40163585017** Collected: 01/16/18 12:25 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/18/18 13:40	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/18/18 13:40	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/18/18 13:40	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/18/18 13:40	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/18/18 13:40	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: H 2-3' **Lab ID: 40163585017** Collected: 01/16/18 12:25 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/18/18 13:40	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:00	01/18/18 13:40	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 13:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	146	%	68-130		1	01/18/18 08:00	01/18/18 13:40	1868-53-7	S3
Toluene-d8 (S)	118	%	68-149		1	01/18/18 08:00	01/18/18 13:40	2037-26-5	
4-Bromofluorobenzene (S)	102	%	58-141		1	01/18/18 08:00	01/18/18 13:40	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.6**	%	0.10	0.10	1		01/22/18 11:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: H 8-9' **Lab ID: 40163585018** Collected: 01/16/18 12:30 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/19/18 11:55	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/19/18 11:55	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/19/18 11:55	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/19/18 11:55	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/19/18 11:55	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: H 8-9' **Lab ID: 40163585018** Collected: 01/16/18 12:30 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	79-34-5	W
Tetrachloroethene	**5160**	ug/kg	70.3	29.3	1	01/18/18 08:00	01/19/18 11:55	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/19/18 11:55	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	79-00-5	W
Trichloroethene	**129**	ug/kg	70.3	29.3	1	01/18/18 08:00	01/19/18 11:55	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:00	01/19/18 11:55	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	123	%	68-130		1	01/18/18 08:00	01/19/18 11:55	1868-53-7	
Toluene-d8 (S)	96	%	68-149		1	01/18/18 08:00	01/19/18 11:55	2037-26-5	
4-Bromofluorobenzene (S)	83	%	58-141		1	01/18/18 08:00	01/19/18 11:55	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 13:40	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/19/18 13:40	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 13:40	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 13:40	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/19/18 13:40	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/19/18 13:40	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/19/18 13:40	75-35-4	
Tetrachloroethene	**0.039**	mg/L	0.010	0.0050	10		01/19/18 13:40	127-18-4	
Trichloroethene	**0.0036J**	mg/L	0.010	0.0033	10		01/19/18 13:40	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/19/18 13:40	75-01-4	
Surrogates									
Toluene-d8 (S)	95	%	70-130		10		01/19/18 13:40	2037-26-5	
4-Bromofluorobenzene (S)	81	%	61-130		10		01/19/18 13:40	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		10		01/19/18 13:40	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.6**	%	0.10	0.10	1		01/22/18 11:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: H 15' **Lab ID: 40163585019** Collected: 01/16/18 12:35 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/19/18 11:32	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/19/18 11:32	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/19/18 11:32	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/19/18 11:32	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/19/18 11:32	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: H 15' **Lab ID: 40163585019** Collected: 01/16/18 12:35 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/19/18 11:32	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:00	01/19/18 11:32	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:32	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	114	%	68-130		1	01/18/18 08:00	01/19/18 11:32	1868-53-7	
Toluene-d8 (S)	88	%	68-149		1	01/18/18 08:00	01/19/18 11:32	2037-26-5	
4-Bromofluorobenzene (S)	74	%	58-141		1	01/18/18 08:00	01/19/18 11:32	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.1**	%	0.10	0.10	1		01/22/18 11:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: I 2-3' **Lab ID: 40163585020** Collected: 01/15/18 14:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	71-43-2	W
Bromobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	108-86-1	W
Bromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	74-97-5	W
Bromodichloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	75-27-4	W
Bromoform	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	75-25-2	W
Bromomethane	**<559**	ug/kg	2000	559	8	01/18/18 08:00	01/19/18 13:03	74-83-9	W
n-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	104-51-8	W
sec-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	135-98-8	W
tert-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	98-06-6	W
Carbon tetrachloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	56-23-5	W
Chlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	108-90-7	W
Chloroethane	**<536**	ug/kg	2000	536	8	01/18/18 08:00	01/19/18 13:03	75-00-3	W
Chloroform	**<372**	ug/kg	2000	372	8	01/18/18 08:00	01/19/18 13:03	67-66-3	W
Chloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	74-87-3	W
2-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	95-49-8	W
4-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	106-43-4	W
1,2-Dibromo-3-chloropropane	**<730**	ug/kg	2000	730	8	01/18/18 08:00	01/19/18 13:03	96-12-8	W
Dibromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	124-48-1	W
1,2-Dibromoethane (EDB)	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	106-93-4	W
Dibromomethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	74-95-3	W
1,2-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	95-50-1	W
1,3-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	541-73-1	W
1,4-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	106-46-7	W
Dichlorodifluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	75-71-8	W
1,1-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	75-34-3	W
1,2-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	107-06-2	W
1,1-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	75-35-4	W
cis-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	156-59-2	W
trans-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	156-60-5	W
1,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	78-87-5	W
1,3-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	142-28-9	W
2,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	594-20-7	W
1,1-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	563-58-6	W
cis-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	10061-01-5	W
trans-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	10061-02-6	W
Diisopropyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	108-20-3	W
Ethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	100-41-4	W
Hexachloro-1,3-butadiene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	87-68-3	W
Isopropylbenzene (Cumene)	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	98-82-8	W
p-Isopropyltoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	99-87-6	W
Methylene Chloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	75-09-2	W
Methyl-tert-butyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	1634-04-4	W
Naphthalene	**<320**	ug/kg	2000	320	8	01/18/18 08:00	01/19/18 13:03	91-20-3	W
n-Propylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	103-65-1	W
Styrene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: I 2-3' **Lab ID: 40163585020** Collected: 01/15/18 14:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	630-20-6	W
1,1,2,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	79-34-5	W
Tetrachloroethene	**38500**	ug/kg	548	228	8	01/18/18 08:00	01/19/18 13:03	127-18-4	
Toluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	108-88-3	W
1,2,3-Trichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	87-61-6	W
1,2,4-Trichlorobenzene	**<380**	ug/kg	2000	380	8	01/18/18 08:00	01/19/18 13:03	120-82-1	L2,W
1,1,1-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	71-55-6	W
1,1,2-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	79-00-5	W
Trichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	79-01-6	W
Trichlorofluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	75-69-4	W
1,2,3-Trichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	96-18-4	W
1,2,4-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	95-63-6	W
1,3,5-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	108-67-8	W
Vinyl chloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	75-01-4	W
m&p-Xylene	**<400**	ug/kg	960	400	8	01/18/18 08:00	01/19/18 13:03	179601-23-1	W
o-Xylene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/19/18 13:03	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	123	%	68-130		8	01/18/18 08:00	01/19/18 13:03	1868-53-7	
Toluene-d8 (S)	87	%	68-149		8	01/18/18 08:00	01/19/18 13:03	2037-26-5	
4-Bromofluorobenzene (S)	76	%	58-141		8	01/18/18 08:00	01/19/18 13:03	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.4**	%	0.10	0.10	1		01/22/18 11:16		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: I 7' **Lab ID: 40163585021** Collected: 01/15/18 14:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	71-43-2	W
Bromobenzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	108-86-1	W
Bromochloromethane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	74-97-5	W
Bromodichloromethane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	75-27-4	W
Bromoform	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	75-25-2	W
Bromomethane	**<175**	ug/kg	625	175	2.5	01/18/18 08:00	01/18/18 18:34	74-83-9	W
n-Butylbenzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	104-51-8	W
sec-Butylbenzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	135-98-8	W
tert-Butylbenzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	98-06-6	W
Carbon tetrachloride	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	56-23-5	W
Chlorobenzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	108-90-7	W
Chloroethane	**<168**	ug/kg	625	168	2.5	01/18/18 08:00	01/18/18 18:34	75-00-3	W
Chloroform	**<116**	ug/kg	625	116	2.5	01/18/18 08:00	01/18/18 18:34	67-66-3	W
Chloromethane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	74-87-3	W
2-Chlorotoluene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	95-49-8	W
4-Chlorotoluene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	106-43-4	W
1,2-Dibromo-3-chloropropane	**<228**	ug/kg	625	228	2.5	01/18/18 08:00	01/18/18 18:34	96-12-8	W
Dibromochloromethane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	124-48-1	W
1,2-Dibromoethane (EDB)	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	106-93-4	W
Dibromomethane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	74-95-3	W
1,2-Dichlorobenzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	95-50-1	W
1,3-Dichlorobenzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	541-73-1	W
1,4-Dichlorobenzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	106-46-7	W
Dichlorodifluoromethane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	75-71-8	W
1,1-Dichloroethane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	75-34-3	W
1,2-Dichloroethane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	107-06-2	W
1,1-Dichloroethene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	75-35-4	W
cis-1,2-Dichloroethene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	156-59-2	W
trans-1,2-Dichloroethene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	156-60-5	W
1,2-Dichloropropane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	78-87-5	W
1,3-Dichloropropane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	142-28-9	W
2,2-Dichloropropane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	594-20-7	W
1,1-Dichloropropene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	563-58-6	W
cis-1,3-Dichloropropene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	10061-01-5	W
trans-1,3-Dichloropropene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	10061-02-6	W
Diisopropyl ether	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	108-20-3	W
Ethylbenzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	100-41-4	W
Hexachloro-1,3-butadiene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	87-68-3	W
Isopropylbenzene (Cumene)	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	98-82-8	W
p-Isopropyltoluene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	99-87-6	W
Methylene Chloride	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	75-09-2	W
Methyl-tert-butyl ether	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	1634-04-4	W
Naphthalene	**<100**	ug/kg	625	100	2.5	01/18/18 08:00	01/18/18 18:34	91-20-3	W
n-Propylbenzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	103-65-1	W
Styrene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: I 7' **Lab ID: 40163585021** Collected: 01/15/18 14:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	630-20-6	W
1,1,2,2-Tetrachloroethane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	79-34-5	W
Tetrachloroethene	**14600**	ug/kg	171	71.4	2.5	01/18/18 08:00	01/18/18 18:34	127-18-4	
Toluene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	108-88-3	W
1,2,3-Trichlorobenzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	87-61-6	W
1,2,4-Trichlorobenzene	**<119**	ug/kg	625	119	2.5	01/18/18 08:00	01/18/18 18:34	120-82-1	L2,W
1,1,1-Trichloroethane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	71-55-6	W
1,1,2-Trichloroethane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	79-00-5	W
Trichloroethene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	79-01-6	W
Trichlorofluoromethane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	75-69-4	W
1,2,3-Trichloropropane	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	96-18-4	W
1,2,4-Trimethylbenzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	95-63-6	W
1,3,5-Trimethylbenzene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	108-67-8	W
Vinyl chloride	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	75-01-4	W
m&p-Xylene	**<125**	ug/kg	300	125	2.5	01/18/18 08:00	01/18/18 18:34	179601-23-1	W
o-Xylene	**<62.5**	ug/kg	150	62.5	2.5	01/18/18 08:00	01/18/18 18:34	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	119	%	68-130		2.5	01/18/18 08:00	01/18/18 18:34	1868-53-7	
Toluene-d8 (S)	86	%	68-149		2.5	01/18/18 08:00	01/18/18 18:34	2037-26-5	
4-Bromofluorobenzene (S)	70	%	58-141		2.5	01/18/18 08:00	01/18/18 18:34	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.5**	%	0.10	0.10	1		01/22/18 11:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: I 12' **Lab ID: 40163585022** Collected: 01/15/18 14:25 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:15	01/18/18 12:23	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:15	01/18/18 12:23	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:15	01/18/18 12:23	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:15	01/18/18 12:23	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/19/18 14:27	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:15	01/18/18 12:23	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: I 12' **Lab ID: 40163585022** Collected: 01/15/18 14:25 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	79-34-5	W
Tetrachloroethene	**752**	ug/kg	69.9	29.1	1	01/18/18 08:15	01/18/18 12:23	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:15	01/18/18 12:23	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:15	01/18/18 12:23	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:23	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	68-130		1	01/18/18 08:15	01/18/18 12:23	1868-53-7	
Toluene-d8 (S)	100	%	68-149		1	01/18/18 08:15	01/18/18 12:23	2037-26-5	
4-Bromofluorobenzene (S)	96	%	58-141		1	01/18/18 08:15	01/18/18 12:23	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.2**	%	0.10	0.10	1		01/22/18 11:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: I 15' **Lab ID: 40163585023** Collected: 01/15/18 14:30 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:15	01/18/18 12:00	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:15	01/18/18 12:00	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:15	01/18/18 12:00	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:15	01/18/18 12:00	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/19/18 14:50	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:15	01/18/18 12:00	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: I 15' **Lab ID: 40163585023** Collected: 01/15/18 14:30 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	79-34-5	W
Tetrachloroethene	**4030**	ug/kg	71.1	29.6	1	01/18/18 08:15	01/18/18 12:00	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:15	01/18/18 12:00	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:15	01/18/18 12:00	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:00	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	68-130		1	01/18/18 08:15	01/18/18 12:00	1868-53-7	
Toluene-d8 (S)	107	%	68-149		1	01/18/18 08:15	01/18/18 12:00	2037-26-5	
4-Bromofluorobenzene (S)	102	%	58-141		1	01/18/18 08:15	01/18/18 12:00	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.6**	%	0.10	0.10	1		01/22/18 11:38		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: J 2-3' **Lab ID: 40163585024** Collected: 01/15/18 13:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:15	01/18/18 20:19	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:15	01/18/18 20:19	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:15	01/18/18 20:19	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:15	01/18/18 20:19	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:15	01/18/18 20:19	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: J 2-3' **Lab ID: 40163585024** Collected: 01/15/18 13:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	79-34-5	W
Tetrachloroethene	**159**	ug/kg	69.8	29.1	1	01/18/18 08:15	01/18/18 20:19	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:15	01/18/18 20:19	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:15	01/18/18 20:19	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:19	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%	68-130		1	01/18/18 08:15	01/18/18 20:19	1868-53-7	
Toluene-d8 (S)	94	%	68-149		1	01/18/18 08:15	01/18/18 20:19	2037-26-5	
4-Bromofluorobenzene (S)	89	%	58-141		1	01/18/18 08:15	01/18/18 20:19	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.0**	%	0.10	0.10	1		01/22/18 11:38		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: J 7' **Lab ID: 40163585025** Collected: 01/15/18 13:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	71-43-2	W
Bromobenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	108-86-1	W
Bromochloromethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	74-97-5	W
Bromodichloromethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-27-4	W
Bromoform	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-25-2	W
Bromomethane	**<368**	ug/kg	1320	368	5	01/18/18 08:15	01/18/18 13:09	74-83-9	W
n-Butylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	104-51-8	W
sec-Butylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	135-98-8	W
tert-Butylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	98-06-6	W
Carbon tetrachloride	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	56-23-5	W
Chlorobenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	108-90-7	W
Chloroethane	**<353**	ug/kg	1320	353	5	01/18/18 08:15	01/18/18 13:09	75-00-3	W
Chloroform	**<244**	ug/kg	1320	244	5	01/18/18 08:15	01/18/18 13:09	67-66-3	W
Chloromethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	74-87-3	W
2-Chlorotoluene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	95-49-8	W
4-Chlorotoluene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	106-43-4	W
1,2-Dibromo-3-chloropropane	**<480**	ug/kg	1320	480	5	01/18/18 08:15	01/18/18 13:09	96-12-8	W
Dibromochloromethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	124-48-1	W
1,2-Dibromoethane (EDB)	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	106-93-4	W
Dibromomethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	74-95-3	W
1,2-Dichlorobenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	95-50-1	W
1,3-Dichlorobenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	541-73-1	W
1,4-Dichlorobenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	106-46-7	W
Dichlorodifluoromethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-71-8	W
1,1-Dichloroethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-34-3	W
1,2-Dichloroethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	107-06-2	W
1,1-Dichloroethene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-35-4	W
cis-1,2-Dichloroethene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	156-59-2	W
trans-1,2-Dichloroethene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	156-60-5	W
1,2-Dichloropropane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	78-87-5	W
1,3-Dichloropropane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	142-28-9	W
2,2-Dichloropropane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	594-20-7	W
1,1-Dichloropropene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	563-58-6	W
cis-1,3-Dichloropropene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	10061-01-5	W
trans-1,3-Dichloropropene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	10061-02-6	W
Diisopropyl ether	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	108-20-3	W
Ethylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	100-41-4	W
Hexachloro-1,3-butadiene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/19/18 13:41	87-68-3	W
Isopropylbenzene (Cumene)	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	98-82-8	W
p-Isopropyltoluene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	99-87-6	W
Methylene Chloride	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-09-2	W
Methyl-tert-butyl ether	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	1634-04-4	W
Naphthalene	**<211**	ug/kg	1320	211	5	01/18/18 08:15	01/18/18 13:09	91-20-3	W
n-Propylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	103-65-1	W
Styrene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: J 7' **Lab ID: 40163585025** Collected: 01/15/18 13:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	630-20-6	W
1,1,2,2-Tetrachloroethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	79-34-5	W
Tetrachloroethene	**27300**	ug/kg	367	153	5	01/18/18 08:15	01/18/18 13:09	127-18-4	
Toluene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	108-88-3	W
1,2,3-Trichlorobenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	87-61-6	W
1,2,4-Trichlorobenzene	**<250**	ug/kg	1320	250	5	01/18/18 08:15	01/18/18 13:09	120-82-1	W
1,1,1-Trichloroethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	71-55-6	W
1,1,2-Trichloroethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	79-00-5	W
Trichloroethene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	79-01-6	W
Trichlorofluoromethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-69-4	W
1,2,3-Trichloropropane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	96-18-4	W
1,2,4-Trimethylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	95-63-6	W
1,3,5-Trimethylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	108-67-8	W
Vinyl chloride	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-01-4	W
m&p-Xylene	**<263**	ug/kg	632	263	5	01/18/18 08:15	01/18/18 13:09	179601-23-1	W
o-Xylene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	68-130		5	01/18/18 08:15	01/18/18 13:09	1868-53-7	
Toluene-d8 (S)	106	%	68-149		5	01/18/18 08:15	01/18/18 13:09	2037-26-5	
4-Bromofluorobenzene (S)	100	%	58-141		5	01/18/18 08:15	01/18/18 13:09	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/22/18 12:03								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 15:22	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/23/18 15:22	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 15:22	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 15:22	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/23/18 15:22	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/23/18 15:22	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/23/18 15:22	75-35-4	
Tetrachloroethene	**0.52**	mg/L	0.010	0.0050	10		01/23/18 15:22	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/23/18 15:22	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/23/18 15:22	75-01-4	
Surrogates									
Toluene-d8 (S)	93	%	70-130		10		01/23/18 15:22	2037-26-5	
4-Bromofluorobenzene (S)	83	%	61-130		10		01/23/18 15:22	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		10		01/23/18 15:22	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.0**	%	0.10	0.10	1		01/22/18 11:38		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: J 12' **Lab ID: 40163585026** Collected: 01/15/18 14:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	71-43-2	W
Bromobenzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	108-86-1	W
Bromochloromethane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	74-97-5	W
Bromodichloromethane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	75-27-4	W
Bromoform	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	75-25-2	W
Bromomethane	**<350**	ug/kg	1250	350	5	01/18/18 08:15	01/18/18 13:33	74-83-9	W
n-Butylbenzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	104-51-8	W
sec-Butylbenzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	135-98-8	W
tert-Butylbenzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	98-06-6	W
Carbon tetrachloride	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	56-23-5	W
Chlorobenzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	108-90-7	W
Chloroethane	**<335**	ug/kg	1250	335	5	01/18/18 08:15	01/18/18 13:33	75-00-3	W
Chloroform	**<232**	ug/kg	1250	232	5	01/18/18 08:15	01/18/18 13:33	67-66-3	W
Chloromethane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	74-87-3	W
2-Chlorotoluene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	95-49-8	W
4-Chlorotoluene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	106-43-4	W
1,2-Dibromo-3-chloropropane	**<456**	ug/kg	1250	456	5	01/18/18 08:15	01/18/18 13:33	96-12-8	W
Dibromochloromethane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	124-48-1	W
1,2-Dibromoethane (EDB)	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	106-93-4	W
Dibromomethane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	74-95-3	W
1,2-Dichlorobenzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	95-50-1	W
1,3-Dichlorobenzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	541-73-1	W
1,4-Dichlorobenzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	106-46-7	W
Dichlorodifluoromethane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	75-71-8	W
1,1-Dichloroethane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	75-34-3	W
1,2-Dichloroethane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	107-06-2	W
1,1-Dichloroethene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	75-35-4	W
cis-1,2-Dichloroethene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	156-59-2	W
trans-1,2-Dichloroethene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	156-60-5	W
1,2-Dichloropropane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	78-87-5	W
1,3-Dichloropropane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	142-28-9	W
2,2-Dichloropropane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	594-20-7	W
1,1-Dichloropropene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	563-58-6	W
cis-1,3-Dichloropropene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	10061-01-5	W
trans-1,3-Dichloropropene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	10061-02-6	W
Diisopropyl ether	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	108-20-3	W
Ethylbenzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	100-41-4	W
Hexachloro-1,3-butadiene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/19/18 13:18	87-68-3	W
Isopropylbenzene (Cumene)	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	98-82-8	W
p-Isopropyltoluene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	99-87-6	W
Methylene Chloride	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	75-09-2	W
Methyl-tert-butyl ether	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	1634-04-4	W
Naphthalene	**<200**	ug/kg	1250	200	5	01/18/18 08:15	01/18/18 13:33	91-20-3	W
n-Propylbenzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	103-65-1	W
Styrene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: J 12' **Lab ID: 40163585026** Collected: 01/15/18 14:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	630-20-6	W
1,1,2,2-Tetrachloroethane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	79-34-5	W
Tetrachloroethene	**31400**	ug/kg	344	143	5	01/18/18 08:15	01/18/18 13:33	127-18-4	
Toluene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	108-88-3	W
1,2,3-Trichlorobenzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	87-61-6	W
1,2,4-Trichlorobenzene	**<238**	ug/kg	1250	238	5	01/18/18 08:15	01/18/18 13:33	120-82-1	W
1,1,1-Trichloroethane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	71-55-6	W
1,1,2-Trichloroethane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	79-00-5	W
Trichloroethene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	79-01-6	W
Trichlorofluoromethane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	75-69-4	W
1,2,3-Trichloropropane	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	96-18-4	W
1,2,4-Trimethylbenzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	95-63-6	W
1,3,5-Trimethylbenzene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	108-67-8	W
Vinyl chloride	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	75-01-4	W
m&p-Xylene	**<250**	ug/kg	600	250	5	01/18/18 08:15	01/18/18 13:33	179601-23-1	W
o-Xylene	**<125**	ug/kg	300	125	5	01/18/18 08:15	01/18/18 13:33	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	68-130		5	01/18/18 08:15	01/18/18 13:33	1868-53-7	
Toluene-d8 (S)	101	%	68-149		5	01/18/18 08:15	01/18/18 13:33	2037-26-5	
4-Bromofluorobenzene (S)	95	%	58-141		5	01/18/18 08:15	01/18/18 13:33	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.7**	%	0.10	0.10	1		01/22/18 11:38		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: J 15' **Lab ID: 40163585027** Collected: 01/15/18 11:05 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	71-43-2	W
Bromobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	108-86-1	W
Bromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	74-97-5	W
Bromodichloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	75-27-4	W
Bromoform	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	75-25-2	W
Bromomethane	**<559**	ug/kg	2000	559	8	01/18/18 08:15	01/18/18 13:56	74-83-9	W
n-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	104-51-8	W
sec-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	135-98-8	W
tert-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	98-06-6	W
Carbon tetrachloride	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	56-23-5	W
Chlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	108-90-7	W
Chloroethane	**<536**	ug/kg	2000	536	8	01/18/18 08:15	01/18/18 13:56	75-00-3	W
Chloroform	**<372**	ug/kg	2000	372	8	01/18/18 08:15	01/18/18 13:56	67-66-3	W
Chloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	74-87-3	W
2-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	95-49-8	W
4-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	106-43-4	W
1,2-Dibromo-3-chloropropane	**<730**	ug/kg	2000	730	8	01/18/18 08:15	01/18/18 13:56	96-12-8	W
Dibromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	124-48-1	W
1,2-Dibromoethane (EDB)	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	106-93-4	W
Dibromomethane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	74-95-3	W
1,2-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	95-50-1	W
1,3-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	541-73-1	W
1,4-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	106-46-7	W
Dichlorodifluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	75-71-8	W
1,1-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	75-34-3	W
1,2-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	107-06-2	W
1,1-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	75-35-4	W
cis-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	156-59-2	W
trans-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	156-60-5	W
1,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	78-87-5	W
1,3-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	142-28-9	W
2,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	594-20-7	W
1,1-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	563-58-6	W
cis-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	10061-01-5	W
trans-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	10061-02-6	W
Diisopropyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	108-20-3	W
Ethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	100-41-4	W
Hexachloro-1,3-butadiene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/19/18 12:55	87-68-3	W
Isopropylbenzene (Cumene)	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	98-82-8	W
p-Isopropyltoluene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	99-87-6	W
Methylene Chloride	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	75-09-2	W
Methyl-tert-butyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	1634-04-4	W
Naphthalene	**<320**	ug/kg	2000	320	8	01/18/18 08:15	01/18/18 13:56	91-20-3	W
n-Propylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	103-65-1	W
Styrene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: J 15' **Lab ID: 40163585027** Collected: 01/15/18 11:05 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	630-20-6	W
1,1,2,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	79-34-5	W
Tetrachloroethene	**50400**	ug/kg	552	230	8	01/18/18 08:15	01/18/18 13:56	127-18-4	
Toluene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	108-88-3	W
1,2,3-Trichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	87-61-6	W
1,2,4-Trichlorobenzene	**<380**	ug/kg	2000	380	8	01/18/18 08:15	01/18/18 13:56	120-82-1	W
1,1,1-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	71-55-6	W
1,1,2-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	79-00-5	W
Trichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	79-01-6	W
Trichlorofluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	75-69-4	W
1,2,3-Trichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	96-18-4	W
1,2,4-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	95-63-6	W
1,3,5-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	108-67-8	W
Vinyl chloride	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	75-01-4	W
m&p-Xylene	**<400**	ug/kg	960	400	8	01/18/18 08:15	01/18/18 13:56	179601-23-1	W
o-Xylene	**<200**	ug/kg	480	200	8	01/18/18 08:15	01/18/18 13:56	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	68-130		8	01/18/18 08:15	01/18/18 13:56	1868-53-7	
Toluene-d8 (S)	98	%	68-149		8	01/18/18 08:15	01/18/18 13:56	2037-26-5	
4-Bromofluorobenzene (S)	84	%	58-141		8	01/18/18 08:15	01/18/18 13:56	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.1**	%	0.10	0.10	1		01/24/18 17:05		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: K 3' **Lab ID: 40163585028** Collected: 01/15/18 15:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:15	01/18/18 20:42	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:15	01/18/18 20:42	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:15	01/18/18 20:42	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:15	01/18/18 20:42	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:15	01/18/18 20:42	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: K 3' **Lab ID: 40163585028** Collected: 01/15/18 15:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	79-34-5	W
Tetrachloroethene	**3490**	ug/kg	69.0	28.7	1	01/18/18 08:15	01/18/18 20:42	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:15	01/18/18 20:42	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	79-00-5	W
Trichloroethene	**162**	ug/kg	69.0	28.7	1	01/18/18 08:15	01/18/18 20:42	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:15	01/18/18 20:42	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 20:42	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	68-130		1	01/18/18 08:15	01/18/18 20:42	1868-53-7	
Toluene-d8 (S)	101	%	68-149		1	01/18/18 08:15	01/18/18 20:42	2037-26-5	
4-Bromofluorobenzene (S)	94	%	58-141		1	01/18/18 08:15	01/18/18 20:42	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.0**	%	0.10	0.10	1		01/24/18 17:05		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: K 6' **Lab ID: 40163585029** Collected: 01/15/18 15:45 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:15	01/18/18 21:05	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:15	01/18/18 21:05	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:15	01/18/18 21:05	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:15	01/18/18 21:05	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:15	01/18/18 21:05	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: K 6' **Lab ID: 40163585029** Collected: 01/15/18 15:45 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	79-34-5	W
Tetrachloroethene	**3530**	ug/kg	68.6	28.6	1	01/18/18 08:15	01/18/18 21:05	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:15	01/18/18 21:05	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	79-00-5	W
Trichloroethene	**172**	ug/kg	68.6	28.6	1	01/18/18 08:15	01/18/18 21:05	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:15	01/18/18 21:05	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:05	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	68-130		1	01/18/18 08:15	01/18/18 21:05	1868-53-7	
Toluene-d8 (S)	101	%	68-149		1	01/18/18 08:15	01/18/18 21:05	2037-26-5	
4-Bromofluorobenzene (S)	96	%	58-141		1	01/18/18 08:15	01/18/18 21:05	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.6**	%	0.10	0.10	1		01/24/18 17:05		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: K 10' **Lab ID: 40163585030** Collected: 01/15/18 15:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:15	01/22/18 13:24	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:15	01/22/18 13:24	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:15	01/22/18 13:24	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:15	01/22/18 13:24	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:15	01/22/18 13:24	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: K 10' **Lab ID: 40163585030** Collected: 01/15/18 15:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:15	01/22/18 13:24	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:15	01/22/18 13:24	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/22/18 13:24	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	85	%	68-130		1	01/18/18 08:15	01/22/18 13:24	1868-53-7	
Toluene-d8 (S)	83	%	68-149		1	01/18/18 08:15	01/22/18 13:24	2037-26-5	
4-Bromofluorobenzene (S)	78	%	58-141		1	01/18/18 08:15	01/22/18 13:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.2**	%	0.10	0.10	1		01/24/18 17:05		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: K 15' **Lab ID: 40163585031** Collected: 01/15/18 15:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:15	01/18/18 21:51	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:15	01/18/18 21:51	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:15	01/18/18 21:51	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:15	01/18/18 21:51	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:15	01/18/18 21:51	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: K 15' **Lab ID: 40163585031** Collected: 01/15/18 15:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:15	01/18/18 21:51	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:15	01/18/18 21:51	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 21:51	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	68-130		1	01/18/18 08:15	01/18/18 21:51	1868-53-7	
Toluene-d8 (S)	97	%	68-149		1	01/18/18 08:15	01/18/18 21:51	2037-26-5	
4-Bromofluorobenzene (S)	90	%	58-141		1	01/18/18 08:15	01/18/18 21:51	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.5**	%	0.10	0.10	1		01/24/18 17:06		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: L 3' **Lab ID: 40163585032** Collected: 01/15/18 15:30 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:15	01/18/18 22:15	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:15	01/18/18 22:15	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:15	01/18/18 22:15	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:15	01/18/18 22:15	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:15	01/18/18 22:15	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: L 3' **Lab ID: 40163585032** Collected: 01/15/18 15:30 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:15	01/18/18 22:15	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:15	01/18/18 22:15	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:15	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	68-130		1	01/18/18 08:15	01/18/18 22:15	1868-53-7	
Toluene-d8 (S)	107	%	68-149		1	01/18/18 08:15	01/18/18 22:15	2037-26-5	
4-Bromofluorobenzene (S)	100	%	58-141		1	01/18/18 08:15	01/18/18 22:15	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.3**	%	0.10	0.10	1		01/24/18 17:06		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: L 6' **Lab ID: 40163585033** Collected: 01/15/18 15:35 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:15	01/18/18 22:38	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:15	01/18/18 22:38	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:15	01/18/18 22:38	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:15	01/18/18 22:38	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:15	01/18/18 22:38	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: L 6' **Lab ID: 40163585033** Collected: 01/15/18 15:35 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:15	01/18/18 22:38	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:15	01/18/18 22:38	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 22:38	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	68-130		1	01/18/18 08:15	01/18/18 22:38	1868-53-7	
Toluene-d8 (S)	106	%	68-149		1	01/18/18 08:15	01/18/18 22:38	2037-26-5	
4-Bromofluorobenzene (S)	99	%	58-141		1	01/18/18 08:15	01/18/18 22:38	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.6**	%	0.10	0.10	1		01/25/18 16:52		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: L 10' **Lab ID: 40163585034** Collected: 01/15/18 15:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:15	01/18/18 23:01	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:15	01/18/18 23:01	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:15	01/18/18 23:01	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:15	01/18/18 23:01	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:15	01/18/18 23:01	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: L 10' **Lab ID: 40163585034** Collected: 01/15/18 15:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:15	01/18/18 23:01	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:15	01/18/18 23:01	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:01	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	68-130		1	01/18/18 08:15	01/18/18 23:01	1868-53-7	
Toluene-d8 (S)	102	%	68-149		1	01/18/18 08:15	01/18/18 23:01	2037-26-5	
4-Bromofluorobenzene (S)	97	%	58-141		1	01/18/18 08:15	01/18/18 23:01	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.6**	%	0.10	0.10	1		01/25/18 16:52		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: L 15' **Lab ID: 40163585035** Collected: 01/15/18 15:45 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:15	01/18/18 23:24	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:15	01/18/18 23:24	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:15	01/18/18 23:24	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:15	01/18/18 23:24	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:15	01/18/18 23:24	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: L 15' **Lab ID: 40163585035** Collected: 01/15/18 15:45 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:15	01/18/18 23:24	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:15	01/18/18 23:24	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 23:24	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	68-130		1	01/18/18 08:15	01/18/18 23:24	1868-53-7	
Toluene-d8 (S)	107	%	68-149		1	01/18/18 08:15	01/18/18 23:24	2037-26-5	
4-Bromofluorobenzene (S)	98	%	58-141		1	01/18/18 08:15	01/18/18 23:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.9**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 0-0.5' **Lab ID: 40163585036** Collected: 01/15/18 12:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:15	01/18/18 12:46	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:15	01/18/18 12:46	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:15	01/18/18 12:46	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:15	01/18/18 12:46	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	108-20-3	W
Ethylbenzene	**30.9J**	ug/kg	61.0	25.4	1	01/18/18 08:15	01/18/18 12:46	100-41-4	
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/19/18 14:04	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:15	01/18/18 12:46	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 0-0.5' **Lab ID: 40163585036** Collected: 01/15/18 12:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	79-34-5	W
Tetrachloroethene	**402**	ug/kg	61.0	25.4	1	01/18/18 08:15	01/18/18 12:46	127-18-4	
Toluene	**220**	ug/kg	61.0	25.4	1	01/18/18 08:15	01/18/18 12:46	108-88-3	
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:15	01/18/18 12:46	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-01-4	W
m&p-Xylene	**146**	ug/kg	122	50.9	1	01/18/18 08:15	01/18/18 12:46	179601-23-1	
o-Xylene	**48.6J**	ug/kg	61.0	25.4	1	01/18/18 08:15	01/18/18 12:46	95-47-6	
Surrogates									
Dibromofluoromethane (S)	106	%	68-130		1	01/18/18 08:15	01/18/18 12:46	1868-53-7	
Toluene-d8 (S)	114	%	68-149		1	01/18/18 08:15	01/18/18 12:46	2037-26-5	
4-Bromofluorobenzene (S)	110	%	58-141		1	01/18/18 08:15	01/18/18 12:46	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/22/18 12:03								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 14:59	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/23/18 14:59	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 14:59	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 14:59	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/23/18 14:59	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/23/18 14:59	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/23/18 14:59	75-35-4	
Tetrachloroethene	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 14:59	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/23/18 14:59	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/23/18 14:59	75-01-4	
Surrogates									
Toluene-d8 (S)	93	%	70-130		10		01/23/18 14:59	2037-26-5	
4-Bromofluorobenzene (S)	78	%	61-130		10		01/23/18 14:59	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		10		01/23/18 14:59	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**1.7**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 2-3' **Lab ID: 40163585037** Collected: 01/15/18 12:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	71-43-2	W
Bromobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	108-86-1	W
Bromochloromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	74-97-5	W
Bromodichloromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-27-4	W
Bromoform	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-25-2	W
Bromomethane	**<140**	ug/kg	500	140	2	01/18/18 08:15	01/18/18 23:47	74-83-9	W
n-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	104-51-8	W
sec-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	135-98-8	W
tert-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	98-06-6	W
Carbon tetrachloride	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	56-23-5	W
Chlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	108-90-7	W
Chloroethane	**<134**	ug/kg	500	134	2	01/18/18 08:15	01/18/18 23:47	75-00-3	W
Chloroform	**<92.9**	ug/kg	500	92.9	2	01/18/18 08:15	01/18/18 23:47	67-66-3	W
Chloromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	74-87-3	W
2-Chlorotoluene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	95-49-8	W
4-Chlorotoluene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	106-43-4	W
1,2-Dibromo-3-chloropropane	**<182**	ug/kg	500	182	2	01/18/18 08:15	01/18/18 23:47	96-12-8	W
Dibromochloromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	124-48-1	W
1,2-Dibromoethane (EDB)	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	106-93-4	W
Dibromomethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	74-95-3	W
1,2-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	95-50-1	W
1,3-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	541-73-1	W
1,4-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	106-46-7	W
Dichlorodifluoromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-71-8	W
1,1-Dichloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-34-3	W
1,2-Dichloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	107-06-2	W
1,1-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-35-4	W
cis-1,2-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	156-59-2	W
trans-1,2-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	156-60-5	W
1,2-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	78-87-5	W
1,3-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	142-28-9	W
2,2-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	594-20-7	W
1,1-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	563-58-6	W
cis-1,3-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	10061-01-5	W
trans-1,3-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	10061-02-6	W
Diisopropyl ether	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	108-20-3	W
Ethylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	100-41-4	W
Hexachloro-1,3-butadiene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	87-68-3	W
Isopropylbenzene (Cumene)	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	98-82-8	W
p-Isopropyltoluene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	99-87-6	W
Methylene Chloride	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-09-2	W
Methyl-tert-butyl ether	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	1634-04-4	W
Naphthalene	**<80.1**	ug/kg	500	80.1	2	01/18/18 08:15	01/18/18 23:47	91-20-3	W
n-Propylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	103-65-1	W
Styrene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 2-3' **Lab ID: 40163585037** Collected: 01/15/18 12:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	630-20-6	W
1,1,2,2-Tetrachloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	79-34-5	W
Tetrachloroethene	**9190**	ug/kg	140	58.5	2	01/18/18 08:15	01/18/18 23:47	127-18-4	
Toluene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	108-88-3	W
1,2,3-Trichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	87-61-6	W
1,2,4-Trichlorobenzene	**<95.1**	ug/kg	500	95.1	2	01/18/18 08:15	01/18/18 23:47	120-82-1	W
1,1,1-Trichloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	71-55-6	W
1,1,2-Trichloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	79-00-5	W
Trichloroethene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	79-01-6	W
Trichlorofluoromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-69-4	W
1,2,3-Trichloropropane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	96-18-4	W
1,2,4-Trimethylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	95-63-6	W
1,3,5-Trimethylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	108-67-8	W
Vinyl chloride	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-01-4	W
m&p-Xylene	**<100**	ug/kg	240	100	2	01/18/18 08:15	01/18/18 23:47	179601-23-1	W
o-Xylene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	68-130		2	01/18/18 08:15	01/18/18 23:47	1868-53-7	
Toluene-d8 (S)	93	%	68-149		2	01/18/18 08:15	01/18/18 23:47	2037-26-5	
4-Bromofluorobenzene (S)	87	%	58-141		2	01/18/18 08:15	01/18/18 23:47	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.5**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 5-6' **Lab ID: 40163585038** Collected: 01/15/18 13:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	71-43-2	W
Bromobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	108-86-1	W
Bromochloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	74-97-5	W
Bromodichloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-27-4	W
Bromoform	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-25-2	W
Bromomethane	**<1400**	ug/kg	5000	1400	20	01/18/18 08:15	01/19/18 00:10	74-83-9	W
n-Butylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	104-51-8	W
sec-Butylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	135-98-8	W
tert-Butylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	98-06-6	W
Carbon tetrachloride	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	56-23-5	W
Chlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	108-90-7	W
Chloroethane	**<1340**	ug/kg	5000	1340	20	01/18/18 08:15	01/19/18 00:10	75-00-3	W
Chloroform	**<929**	ug/kg	5000	929	20	01/18/18 08:15	01/19/18 00:10	67-66-3	W
Chloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	74-87-3	W
2-Chlorotoluene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	95-49-8	W
4-Chlorotoluene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	106-43-4	W
1,2-Dibromo-3-chloropropane	**<1820**	ug/kg	5000	1820	20	01/18/18 08:15	01/19/18 00:10	96-12-8	W
Dibromochloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	124-48-1	W
1,2-Dibromoethane (EDB)	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	106-93-4	W
Dibromomethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	74-95-3	W
1,2-Dichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	95-50-1	W
1,3-Dichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	541-73-1	W
1,4-Dichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	106-46-7	W
Dichlorodifluoromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-71-8	W
1,1-Dichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-34-3	W
1,2-Dichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	107-06-2	W
1,1-Dichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-35-4	W
cis-1,2-Dichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	156-59-2	W
trans-1,2-Dichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	156-60-5	W
1,2-Dichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	78-87-5	W
1,3-Dichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	142-28-9	W
2,2-Dichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	594-20-7	W
1,1-Dichloropropene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	563-58-6	W
cis-1,3-Dichloropropene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	10061-01-5	W
trans-1,3-Dichloropropene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	10061-02-6	W
Diisopropyl ether	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	108-20-3	W
Ethylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	100-41-4	W
Hexachloro-1,3-butadiene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	87-68-3	W
Isopropylbenzene (Cumene)	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	98-82-8	W
p-Isopropyltoluene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	99-87-6	W
Methylene Chloride	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-09-2	W
Methyl-tert-butyl ether	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	1634-04-4	W
Naphthalene	**<801**	ug/kg	5000	801	20	01/18/18 08:15	01/19/18 00:10	91-20-3	W
n-Propylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	103-65-1	W
Styrene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 5-6' **Lab ID: 40163585038** Collected: 01/15/18 13:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	630-20-6	W
1,1,2,2-Tetrachloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	79-34-5	W
Tetrachloroethene	**81000**	ug/kg	1370	570	20	01/18/18 08:15	01/19/18 00:10	127-18-4	
Toluene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	108-88-3	W
1,2,3-Trichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	87-61-6	W
1,2,4-Trichlorobenzene	**<951**	ug/kg	5000	951	20	01/18/18 08:15	01/19/18 00:10	120-82-1	W
1,1,1-Trichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	71-55-6	W
1,1,2-Trichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	79-00-5	W
Trichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	79-01-6	W
Trichlorofluoromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-69-4	W
1,2,3-Trichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	96-18-4	W
1,2,4-Trimethylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	95-63-6	W
1,3,5-Trimethylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	108-67-8	W
Vinyl chloride	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-01-4	W
m&p-Xylene	**<1000**	ug/kg	2400	1000	20	01/18/18 08:15	01/19/18 00:10	179601-23-1	W
o-Xylene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	68-130		20	01/18/18 08:15	01/19/18 00:10	1868-53-7	S4
Toluene-d8 (S)	0	%	68-149		20	01/18/18 08:15	01/19/18 00:10	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	58-141		20	01/18/18 08:15	01/19/18 00:10	460-00-4	S4
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/22/18 12:03								
Benzene	**<0.010**	mg/L	0.020	0.010	20		01/23/18 16:07	71-43-2	
2-Butanone (MEK)	**<0.060**	mg/L	0.40	0.060	20		01/23/18 16:07	78-93-3	
Carbon tetrachloride	**<0.010**	mg/L	0.020	0.010	20		01/23/18 16:07	56-23-5	
Chlorobenzene	**<0.010**	mg/L	0.020	0.010	20		01/23/18 16:07	108-90-7	
Chloroform	**<0.050**	mg/L	0.10	0.050	20		01/23/18 16:07	67-66-3	
1,2-Dichloroethane	**<0.0034**	mg/L	0.020	0.0034	20		01/23/18 16:07	107-06-2	
1,1-Dichloroethene	**<0.0082**	mg/L	0.020	0.0082	20		01/23/18 16:07	75-35-4	
Tetrachloroethene	**0.85**	mg/L	0.020	0.010	20		01/23/18 16:07	127-18-4	
Trichloroethene	**<0.0066**	mg/L	0.020	0.0066	20		01/23/18 16:07	79-01-6	
Vinyl chloride	**<0.0035**	mg/L	0.020	0.0035	20		01/23/18 16:07	75-01-4	
Surrogates									
Toluene-d8 (S)	94	%	70-130		20		01/23/18 16:07	2037-26-5	
4-Bromofluorobenzene (S)	77	%	61-130		20		01/23/18 16:07	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		20		01/23/18 16:07	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.3**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 9-10' **Lab ID: 40163585039** Collected: 01/15/18 13:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	71-43-2	W
Bromobenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	108-86-1	W
Bromochloromethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	74-97-5	W
Bromodichloromethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	75-27-4	W
Bromoform	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	75-25-2	W
Bromomethane	**<8740**	ug/kg	31200	8740	125	01/19/18 06:15	01/23/18 16:01	74-83-9	W
n-Butylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	104-51-8	W
sec-Butylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	135-98-8	W
tert-Butylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	98-06-6	W
Carbon tetrachloride	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	56-23-5	W
Chlorobenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	108-90-7	W
Chloroethane	**<8380**	ug/kg	31200	8380	125	01/19/18 06:15	01/23/18 16:01	75-00-3	W
Chloroform	**<5810**	ug/kg	31200	5810	125	01/19/18 06:15	01/23/18 16:01	67-66-3	W
Chloromethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	74-87-3	W
2-Chlorotoluene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	95-49-8	W
4-Chlorotoluene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	106-43-4	W
1,2-Dibromo-3-chloropropane	**<11400**	ug/kg	31200	11400	125	01/19/18 06:15	01/23/18 16:01	96-12-8	W
Dibromochloromethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	124-48-1	W
1,2-Dibromoethane (EDB)	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	106-93-4	W
Dibromomethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	74-95-3	W
1,2-Dichlorobenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	95-50-1	W
1,3-Dichlorobenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	541-73-1	W
1,4-Dichlorobenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	106-46-7	W
Dichlorodifluoromethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	75-71-8	W
1,1-Dichloroethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	75-34-3	W
1,2-Dichloroethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	107-06-2	W
1,1-Dichloroethene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	75-35-4	W
cis-1,2-Dichloroethene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	156-59-2	W
trans-1,2-Dichloroethene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	156-60-5	W
1,2-Dichloropropane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	78-87-5	W
1,3-Dichloropropane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	142-28-9	W
2,2-Dichloropropane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	594-20-7	W
1,1-Dichloropropene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	563-58-6	W
cis-1,3-Dichloropropene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	10061-01-5	W
trans-1,3-Dichloropropene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	10061-02-6	W
Diisopropyl ether	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	108-20-3	W
Ethylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	100-41-4	W
Hexachloro-1,3-butadiene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	87-68-3	W
Isopropylbenzene (Cumene)	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	98-82-8	W
p-Isopropyltoluene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	99-87-6	W
Methylene Chloride	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	75-09-2	W
Methyl-tert-butyl ether	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	1634-04-4	W
Naphthalene	**<5010**	ug/kg	31200	5010	125	01/19/18 06:15	01/23/18 16:01	91-20-3	W
n-Propylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	103-65-1	W
Styrene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 9-10' **Lab ID: 40163585039** Collected: 01/15/18 13:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	630-20-6	W
1,1,2,2-Tetrachloroethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	79-34-5	W
Tetrachloroethene	**518000**	ug/kg	8800	3670	125	01/19/18 06:15	01/23/18 16:01	127-18-4	
Toluene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	108-88-3	W
1,2,3-Trichlorobenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	87-61-6	W
1,2,4-Trichlorobenzene	**<5940**	ug/kg	31200	5940	125	01/19/18 06:15	01/23/18 16:01	120-82-1	L2,W
1,1,1-Trichloroethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	71-55-6	W
1,1,2-Trichloroethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	79-00-5	W
Trichloroethene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	79-01-6	W
Trichlorofluoromethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	75-69-4	W
1,2,3-Trichloropropane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	96-18-4	W
1,2,4-Trimethylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	95-63-6	W
1,3,5-Trimethylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	108-67-8	W
Vinyl chloride	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	75-01-4	W
m&p-Xylene	**<6250**	ug/kg	15000	6250	125	01/19/18 06:15	01/23/18 16:01	179601-23-1	W
o-Xylene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:01	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	68-130		125	01/19/18 06:15	01/23/18 16:01	1868-53-7	S4
Toluene-d8 (S)	0	%	68-149		125	01/19/18 06:15	01/23/18 16:01	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	58-141		125	01/19/18 06:15	01/23/18 16:01	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 15' **Lab ID: 40163585040** Collected: 01/15/18 13:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	71-43-2	W
Bromobenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	108-86-1	W
Bromochloromethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	74-97-5	W
Bromodichloromethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	75-27-4	W
Bromoform	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	75-25-2	W
Bromomethane	**<8740**	ug/kg	31200	8740	125	01/19/18 06:15	01/23/18 16:23	74-83-9	W
n-Butylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	104-51-8	W
sec-Butylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	135-98-8	W
tert-Butylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	98-06-6	W
Carbon tetrachloride	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	56-23-5	W
Chlorobenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	108-90-7	W
Chloroethane	**<8380**	ug/kg	31200	8380	125	01/19/18 06:15	01/23/18 16:23	75-00-3	W
Chloroform	**<5810**	ug/kg	31200	5810	125	01/19/18 06:15	01/23/18 16:23	67-66-3	W
Chloromethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	74-87-3	W
2-Chlorotoluene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	95-49-8	W
4-Chlorotoluene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	106-43-4	W
1,2-Dibromo-3-chloropropane	**<11400**	ug/kg	31200	11400	125	01/19/18 06:15	01/23/18 16:23	96-12-8	W
Dibromochloromethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	124-48-1	W
1,2-Dibromoethane (EDB)	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	106-93-4	W
Dibromomethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	74-95-3	W
1,2-Dichlorobenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	95-50-1	W
1,3-Dichlorobenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	541-73-1	W
1,4-Dichlorobenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	106-46-7	W
Dichlorodifluoromethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	75-71-8	W
1,1-Dichloroethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	75-34-3	W
1,2-Dichloroethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	107-06-2	W
1,1-Dichloroethene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	75-35-4	W
cis-1,2-Dichloroethene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	156-59-2	W
trans-1,2-Dichloroethene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	156-60-5	W
1,2-Dichloropropane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	78-87-5	W
1,3-Dichloropropane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	142-28-9	W
2,2-Dichloropropane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	594-20-7	W
1,1-Dichloropropene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	563-58-6	W
cis-1,3-Dichloropropene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	10061-01-5	W
trans-1,3-Dichloropropene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	10061-02-6	W
Diisopropyl ether	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	108-20-3	W
Ethylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	100-41-4	W
Hexachloro-1,3-butadiene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	87-68-3	W
Isopropylbenzene (Cumene)	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	98-82-8	W
p-Isopropyltoluene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	99-87-6	W
Methylene Chloride	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	75-09-2	W
Methyl-tert-butyl ether	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	1634-04-4	W
Naphthalene	**<5010**	ug/kg	31200	5010	125	01/19/18 06:15	01/23/18 16:23	91-20-3	W
n-Propylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	103-65-1	W
Styrene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 15' **Lab ID: 40163585040** Collected: 01/15/18 13:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	630-20-6	W
1,1,2,2-Tetrachloroethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	79-34-5	W
Tetrachloroethene	**692000**	ug/kg	8880	3700	125	01/19/18 06:15	01/23/18 16:23	127-18-4	
Toluene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	108-88-3	W
1,2,3-Trichlorobenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	87-61-6	W
1,2,4-Trichlorobenzene	**<5940**	ug/kg	31200	5940	125	01/19/18 06:15	01/23/18 16:23	120-82-1	L2,W
1,1,1-Trichloroethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	71-55-6	W
1,1,2-Trichloroethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	79-00-5	W
Trichloroethene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	79-01-6	W
Trichlorofluoromethane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	75-69-4	W
1,2,3-Trichloropropane	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	96-18-4	W
1,2,4-Trimethylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	95-63-6	W
1,3,5-Trimethylbenzene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	108-67-8	W
Vinyl chloride	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	75-01-4	W
m&p-Xylene	**<6250**	ug/kg	15000	6250	125	01/19/18 06:15	01/23/18 16:23	179601-23-1	W
o-Xylene	**<3120**	ug/kg	7500	3120	125	01/19/18 06:15	01/23/18 16:23	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	68-130		125	01/19/18 06:15	01/23/18 16:23	1868-53-7	S4
Toluene-d8 (S)	0	%	68-149		125	01/19/18 06:15	01/23/18 16:23	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	58-141		125	01/19/18 06:15	01/23/18 16:23	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.6**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: N 2-3' **Lab ID: 40163585041** Collected: 01/15/18 13:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 15:00	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 15:00	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 15:00	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 15:00	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 15:00	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: N 2-3' **Lab ID: 40163585041** Collected: 01/15/18 13:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	79-34-5	W
Tetrachloroethene	**226**	ug/kg	69.9	29.1	1	01/19/18 06:15	01/22/18 15:00	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 15:00	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 15:00	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:00	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	107	%	68-130		1	01/19/18 06:15	01/22/18 15:00	1868-53-7	
Toluene-d8 (S)	95	%	68-149		1	01/19/18 06:15	01/22/18 15:00	2037-26-5	
4-Bromofluorobenzene (S)	77	%	58-141		1	01/19/18 06:15	01/22/18 15:00	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.2**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: N 5-6' **Lab ID: 40163585042** Collected: 01/15/18 14:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 15:23	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 15:23	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 15:23	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 15:23	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 15:23	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: N 5-6' **Lab ID: 40163585042** Collected: 01/15/18 14:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 15:23	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 15:23	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:23	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	68-130		1	01/19/18 06:15	01/22/18 15:23	1868-53-7	
Toluene-d8 (S)	86	%	68-149		1	01/19/18 06:15	01/22/18 15:23	2037-26-5	
4-Bromofluorobenzene (S)	68	%	58-141		1	01/19/18 06:15	01/22/18 15:23	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.4**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: N 9-10' **Lab ID: 40163585043** Collected: 01/15/18 14:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 15:45	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 15:45	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 15:45	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 15:45	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 15:45	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: N 9-10' **Lab ID: 40163585043** Collected: 01/15/18 14:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 15:45	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 15:45	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 15:45	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	68-130		1	01/19/18 06:15	01/22/18 15:45	1868-53-7	
Toluene-d8 (S)	86	%	68-149		1	01/19/18 06:15	01/22/18 15:45	2037-26-5	
4-Bromofluorobenzene (S)	68	%	58-141		1	01/19/18 06:15	01/22/18 15:45	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.2**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: N 15' **Lab ID: 40163585044** Collected: 01/15/18 14:45 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 16:08	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 16:08	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 16:08	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 16:08	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 16:08	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: N 15' **Lab ID: 40163585044** Collected: 01/15/18 14:45 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 16:08	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 16:08	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:08	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	68-130		1	01/19/18 06:15	01/22/18 16:08	1868-53-7	
Toluene-d8 (S)	83	%	68-149		1	01/19/18 06:15	01/22/18 16:08	2037-26-5	
4-Bromofluorobenzene (S)	66	%	58-141		1	01/19/18 06:15	01/22/18 16:08	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.0**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: O 2' **Lab ID: 40163585045** Collected: 01/15/18 10:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 16:31	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 16:31	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 16:31	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 16:31	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 16:31	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: O 2' **Lab ID: 40163585045** Collected: 01/15/18 10:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	79-34-5	W
Tetrachloroethene	**446**	ug/kg	70.1	29.2	1	01/19/18 06:15	01/22/18 16:31	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 16:31	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 16:31	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:31	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	124	%	68-130		1	01/19/18 06:15	01/22/18 16:31	1868-53-7	
Toluene-d8 (S)	108	%	68-149		1	01/19/18 06:15	01/22/18 16:31	2037-26-5	
4-Bromofluorobenzene (S)	89	%	58-141		1	01/19/18 06:15	01/22/18 16:31	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.5**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: O 6' **Lab ID: 40163585046** Collected: 01/15/18 10:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 16:53	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	104-51-8	W
sec-Butylbenzene	**33.8J**	ug/kg	69.5	29.0	1	01/19/18 06:15	01/22/18 16:53	135-98-8	
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 16:53	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 16:53	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 16:53	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	87-68-3	W
Isopropylbenzene (Cumene)	**88.9**	ug/kg	69.5	29.0	1	01/19/18 06:15	01/22/18 16:53	98-82-8	
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 16:53	91-20-3	W
n-Propylbenzene	**39.9J**	ug/kg	69.5	29.0	1	01/19/18 06:15	01/22/18 16:53	103-65-1	
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: O 6' **Lab ID: 40163585046** Collected: 01/15/18 10:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 16:53	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 16:53	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 16:53	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	112	%	68-130		1	01/19/18 06:15	01/22/18 16:53	1868-53-7	
Toluene-d8 (S)	92	%	68-149		1	01/19/18 06:15	01/22/18 16:53	2037-26-5	
4-Bromofluorobenzene (S)	89	%	58-141		1	01/19/18 06:15	01/22/18 16:53	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.7**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: O 10' **Lab ID: 40163585047** Collected: 01/15/18 11:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 17:16	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 17:16	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 17:16	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 17:16	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 17:16	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: O 10' **Lab ID: 40163585047** Collected: 01/15/18 11:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 17:16	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 17:16	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:16	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	111	%	68-130		1	01/19/18 06:15	01/22/18 17:16	1868-53-7	
Toluene-d8 (S)	97	%	68-149		1	01/19/18 06:15	01/22/18 17:16	2037-26-5	
4-Bromofluorobenzene (S)	80	%	58-141		1	01/19/18 06:15	01/22/18 17:16	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.9**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: P 2' **Lab ID: 40163585048** Collected: 01/15/18 10:30 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 21:57	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 21:57	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 21:57	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 21:57	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 21:57	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: P 2' **Lab ID: 40163585048** Collected: 01/15/18 10:30 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	79-34-5	W
Tetrachloroethene	**156**	ug/kg	71.3	29.7	1	01/19/18 06:15	01/22/18 21:57	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 21:57	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 21:57	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:57	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	81	%	68-130		1	01/19/18 06:15	01/22/18 21:57	1868-53-7	
Toluene-d8 (S)	107	%	68-149		1	01/19/18 06:15	01/22/18 21:57	2037-26-5	
4-Bromofluorobenzene (S)	89	%	58-141		1	01/19/18 06:15	01/22/18 21:57	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.9**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: P 6' **Lab ID: 40163585049** Collected: 01/15/18 10:35 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 17:39	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 17:39	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 17:39	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 17:39	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 17:39	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: P 6' **Lab ID: 40163585049** Collected: 01/15/18 10:35 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	79-34-5	W
Tetrachloroethene	**132**	ug/kg	69.4	28.9	1	01/19/18 06:15	01/22/18 17:39	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 17:39	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 17:39	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 17:39	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	115	%	68-130		1	01/19/18 06:15	01/22/18 17:39	1868-53-7	
Toluene-d8 (S)	101	%	68-149		1	01/19/18 06:15	01/22/18 17:39	2037-26-5	
4-Bromofluorobenzene (S)	82	%	58-141		1	01/19/18 06:15	01/22/18 17:39	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.6**	%	0.10	0.10	1		01/25/18 16:54		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: P 10' **Lab ID: 40163585050** Collected: 01/15/18 10:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 18:02	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 18:02	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 18:02	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 18:02	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 18:02	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: P 10' **Lab ID: 40163585050** Collected: 01/15/18 10:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	79-34-5	W
Tetrachloroethene	**403**	ug/kg	69.1	28.8	1	01/19/18 06:15	01/22/18 18:02	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 18:02	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 18:02	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:02	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	68-130		1	01/19/18 06:15	01/22/18 18:02	1868-53-7	
Toluene-d8 (S)	95	%	68-149		1	01/19/18 06:15	01/22/18 18:02	2037-26-5	
4-Bromofluorobenzene (S)	76	%	58-141		1	01/19/18 06:15	01/22/18 18:02	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.2**	%	0.10	0.10	1		01/25/18 16:54		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: Q 2' **Lab ID: 40163585051** Collected: 01/15/18 10:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 18:24	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 18:24	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 18:24	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 18:24	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 18:24	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: Q 2' **Lab ID: 40163585051** Collected: 01/15/18 10:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	79-34-5	W
Tetrachloroethene	**335**	ug/kg	70.5	29.4	1	01/19/18 06:15	01/22/18 18:24	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 18:24	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 18:24	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:24	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	68-130		1	01/19/18 06:15	01/22/18 18:24	1868-53-7	
Toluene-d8 (S)	98	%	68-149		1	01/19/18 06:15	01/22/18 18:24	2037-26-5	
4-Bromofluorobenzene (S)	80	%	58-141		1	01/19/18 06:15	01/22/18 18:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.9**	%	0.10	0.10	1		01/25/18 16:54		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: Q 6' **Lab ID: 40163585052** Collected: 01/15/18 10:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 18:47	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 18:47	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 18:47	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 18:47	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 18:47	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: Q 6' **Lab ID: 40163585052** Collected: 01/15/18 10:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	79-34-5	W
Tetrachloroethene	**37.8J**	ug/kg	69.8	29.1	1	01/19/18 06:15	01/22/18 18:47	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 18:47	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 18:47	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 18:47	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	115	%	68-130		1	01/19/18 06:15	01/22/18 18:47	1868-53-7	
Toluene-d8 (S)	97	%	68-149		1	01/19/18 06:15	01/22/18 18:47	2037-26-5	
4-Bromofluorobenzene (S)	81	%	58-141		1	01/19/18 06:15	01/22/18 18:47	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.0**	%	0.10	0.10	1		01/25/18 16:54		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: Q 10' **Lab ID: 40163585053** Collected: 01/15/18 10:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 19:10	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 19:10	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 19:10	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 19:10	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 19:10	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: Q 10' **Lab ID: 40163585053** Collected: 01/15/18 10:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 19:10	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 19:10	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 19:10	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	68-130		1	01/19/18 06:15	01/22/18 19:10	1868-53-7	
Toluene-d8 (S)	96	%	68-149		1	01/19/18 06:15	01/22/18 19:10	2037-26-5	
4-Bromofluorobenzene (S)	77	%	58-141		1	01/19/18 06:15	01/22/18 19:10	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.0**	%	0.10	0.10	1		01/25/18 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: R 2' **Lab ID: 40163585054** Collected: 01/15/18 12:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 21:34	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 21:34	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 21:34	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 21:34	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 21:34	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: R 2' **Lab ID: 40163585054** Collected: 01/15/18 12:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	79-34-5	W
Tetrachloroethene	**69.1J**	ug/kg	70.3	29.3	1	01/19/18 06:15	01/22/18 21:34	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 21:34	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 21:34	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 21:34	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	125	%	68-130		1	01/19/18 06:15	01/22/18 21:34	1868-53-7	
Toluene-d8 (S)	108	%	68-149		1	01/19/18 06:15	01/22/18 21:34	2037-26-5	
4-Bromofluorobenzene (S)	90	%	58-141		1	01/19/18 06:15	01/22/18 21:34	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		01/25/18 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: R 6' **Lab ID: 40163585055** Collected: 01/15/18 12:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/23/18 15:38	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/23/18 15:38	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/23/18 15:38	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/23/18 15:38	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/23/18 15:38	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: R 6' **Lab ID: 40163585055** Collected: 01/15/18 12:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/23/18 15:38	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/23/18 15:38	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:38	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	68-130		1	01/19/18 06:15	01/23/18 15:38	1868-53-7	
Toluene-d8 (S)	88	%	68-149		1	01/19/18 06:15	01/23/18 15:38	2037-26-5	
4-Bromofluorobenzene (S)	69	%	58-141		1	01/19/18 06:15	01/23/18 15:38	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		01/25/18 17:13		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: R 10' **Lab ID: 40163585056** Collected: 01/15/18 12:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/22/18 14:37	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/22/18 14:37	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/22/18 14:37	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/22/18 14:37	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/22/18 14:37	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: R 10' **Lab ID: 40163585056** Collected: 01/15/18 12:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/22/18 14:37	120-82-1	L2,M0, W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/22/18 14:37	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/22/18 14:37	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	68-130		1	01/19/18 06:15	01/22/18 14:37	1868-53-7	
Toluene-d8 (S)	84	%	68-149		1	01/19/18 06:15	01/22/18 14:37	2037-26-5	
4-Bromofluorobenzene (S)	71	%	58-141		1	01/19/18 06:15	01/22/18 14:37	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.7**	%	0.10	0.10	1		01/25/18 17:13		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: S 2' **Lab ID: 40163585057** Collected: 01/15/18 11:05 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/23/18 15:16	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/23/18 15:16	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/23/18 15:16	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/23/18 15:16	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/23/18 15:16	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: S 2' **Lab ID: 40163585057** Collected: 01/15/18 11:05 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	79-34-5	W
Tetrachloroethene	**186**	ug/kg	71.9	30.0	1	01/19/18 06:15	01/23/18 15:16	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/23/18 15:16	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/23/18 15:16	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 15:16	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	68-130		1	01/19/18 06:15	01/23/18 15:16	1868-53-7	
Toluene-d8 (S)	86	%	68-149		1	01/19/18 06:15	01/23/18 15:16	2037-26-5	
4-Bromofluorobenzene (S)	70	%	58-141		1	01/19/18 06:15	01/23/18 15:16	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.5**	%	0.10	0.10	1		01/25/18 17:13		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: S 6' **Lab ID: 40163585058** Collected: 01/15/18 11:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:15	01/23/18 14:53	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:15	01/23/18 14:53	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:15	01/23/18 14:53	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:15	01/23/18 14:53	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:15	01/23/18 14:53	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: S 6' **Lab ID: 40163585058** Collected: 01/15/18 11:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:15	01/23/18 14:53	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:15	01/23/18 14:53	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:15	01/23/18 14:53	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	68-130		1	01/19/18 06:15	01/23/18 14:53	1868-53-7	
Toluene-d8 (S)	82	%	68-149		1	01/19/18 06:15	01/23/18 14:53	2037-26-5	
4-Bromofluorobenzene (S)	64	%	58-141		1	01/19/18 06:15	01/23/18 14:53	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.2**	%	0.10	0.10	1		01/25/18 17:13		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: S 10' **Lab ID: 40163585059** Collected: 01/15/18 11:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/19/18 16:23	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/19/18 16:23	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/19/18 16:23	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/19/18 16:23	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/19/18 16:23	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: S 10' **Lab ID: 40163585059** Collected: 01/15/18 11:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	79-34-5	W
Tetrachloroethene	**62.3J**	ug/kg	69.8	29.1	1	01/19/18 06:30	01/19/18 16:23	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/19/18 16:23	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/19/18 16:23	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:23	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	68-130		1	01/19/18 06:30	01/19/18 16:23	1868-53-7	
Toluene-d8 (S)	96	%	68-149		1	01/19/18 06:30	01/19/18 16:23	2037-26-5	
4-Bromofluorobenzene (S)	92	%	58-141		1	01/19/18 06:30	01/19/18 16:23	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.1**	%	0.10	0.10	1		01/25/18 17:13		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: T 2-3' **Lab ID: 40163585060** Collected: 01/15/18 12:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/22/18 14:34	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/22/18 14:34	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/22/18 14:34	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/22/18 14:34	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	75-35-4	W
cis-1,2-Dichloroethene	**33.2J**	ug/kg	70.8	29.5	1	01/19/18 06:30	01/22/18 14:34	156-59-2	
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/22/18 14:34	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: T 2-3' **Lab ID: 40163585060** Collected: 01/15/18 12:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/22/18 14:34	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/22/18 14:34	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:34	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	68-130		1	01/19/18 06:30	01/22/18 14:34	1868-53-7	
Toluene-d8 (S)	94	%	68-149		1	01/19/18 06:30	01/22/18 14:34	2037-26-5	
4-Bromofluorobenzene (S)	89	%	58-141		1	01/19/18 06:30	01/22/18 14:34	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.3**	%	0.10	0.10	1		01/25/18 17:13		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: T 5-6' **Lab ID: 40163585061** Collected: 01/15/18 12:25 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/19/18 16:46	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/19/18 16:46	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/19/18 16:46	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/19/18 16:46	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/19/18 16:46	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: T 5-6' **Lab ID: 40163585061** Collected: 01/15/18 12:25 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/19/18 16:46	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/19/18 16:46	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:46	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	68-130		1	01/19/18 06:30	01/19/18 16:46	1868-53-7	
Toluene-d8 (S)	103	%	68-149		1	01/19/18 06:30	01/19/18 16:46	2037-26-5	
4-Bromofluorobenzene (S)	96	%	58-141		1	01/19/18 06:30	01/19/18 16:46	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.3**	%	0.10	0.10	1		01/25/18 17:13		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: T 9-10' **Lab ID: 40163585062** Collected: 01/15/18 12:30 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/19/18 17:09	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/19/18 17:09	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/19/18 17:09	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/19/18 17:09	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/19/18 17:09	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: T 9-10' **Lab ID: 40163585062** Collected: 01/15/18 12:30 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/19/18 17:09	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/19/18 17:09	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:09	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	90	%	68-130		1	01/19/18 06:30	01/19/18 17:09	1868-53-7	
Toluene-d8 (S)	92	%	68-149		1	01/19/18 06:30	01/19/18 17:09	2037-26-5	
4-Bromofluorobenzene (S)	87	%	58-141		1	01/19/18 06:30	01/19/18 17:09	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.8**	%	0.10	0.10	1		01/25/18 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: T 15' **Lab ID: 40163585063** Collected: 01/15/18 12:35 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/19/18 17:33	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/19/18 17:33	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/19/18 17:33	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/19/18 17:33	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/19/18 17:33	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: T 15' **Lab ID: 40163585063** Collected: 01/15/18 12:35 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	79-34-5	W
Tetrachloroethene	**49.3J**	ug/kg	70.4	29.3	1	01/19/18 06:30	01/19/18 17:33	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/19/18 17:33	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/19/18 17:33	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:33	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	92	%	68-130		1	01/19/18 06:30	01/19/18 17:33	1868-53-7	
Toluene-d8 (S)	90	%	68-149		1	01/19/18 06:30	01/19/18 17:33	2037-26-5	
4-Bromofluorobenzene (S)	86	%	58-141		1	01/19/18 06:30	01/19/18 17:33	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		01/25/18 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: U 2-3' **Lab ID: 40163585064** Collected: 01/15/18 13:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/19/18 17:56	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/19/18 17:56	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/19/18 17:56	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/19/18 17:56	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/19/18 17:56	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: U 2-3' **Lab ID: 40163585064** Collected: 01/15/18 13:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	79-34-5	W
Tetrachloroethene	**242**	ug/kg	75.1	31.3	1	01/19/18 06:30	01/19/18 17:56	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/19/18 17:56	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/19/18 17:56	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 17:56	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	68-130		1	01/19/18 06:30	01/19/18 17:56	1868-53-7	
Toluene-d8 (S)	101	%	68-149		1	01/19/18 06:30	01/19/18 17:56	2037-26-5	
4-Bromofluorobenzene (S)	96	%	58-141		1	01/19/18 06:30	01/19/18 17:56	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.1**	%	0.10	0.10	1		01/25/18 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: U 5-6' **Lab ID: 40163585065** Collected: 01/15/18 13:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/19/18 18:19	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/19/18 18:19	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/19/18 18:19	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/19/18 18:19	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/19/18 18:19	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: U 5-6' **Lab ID: 40163585065** Collected: 01/15/18 13:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/19/18 18:19	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/19/18 18:19	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:19	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%	68-130		1	01/19/18 06:30	01/19/18 18:19	1868-53-7	
Toluene-d8 (S)	95	%	68-149		1	01/19/18 06:30	01/19/18 18:19	2037-26-5	
4-Bromofluorobenzene (S)	90	%	58-141		1	01/19/18 06:30	01/19/18 18:19	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.4**	%	0.10	0.10	1		01/25/18 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: U 9-10' **Lab ID: 40163585066** Collected: 01/15/18 13:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/19/18 18:42	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/19/18 18:42	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/19/18 18:42	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/19/18 18:42	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	75-35-4	W
cis-1,2-Dichloroethene	**37.9J**	ug/kg	68.6	28.6	1	01/19/18 06:30	01/19/18 18:42	156-59-2	
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/19/18 18:42	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: U 9-10' **Lab ID: 40163585066** Collected: 01/15/18 13:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	79-34-5	W
Tetrachloroethene	**754**	ug/kg	68.6	28.6	1	01/19/18 06:30	01/19/18 18:42	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/19/18 18:42	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	79-00-5	W
Trichloroethene	**104**	ug/kg	68.6	28.6	1	01/19/18 06:30	01/19/18 18:42	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/19/18 18:42	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 18:42	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	68-130		1	01/19/18 06:30	01/19/18 18:42	1868-53-7	
Toluene-d8 (S)	93	%	68-149		1	01/19/18 06:30	01/19/18 18:42	2037-26-5	
4-Bromofluorobenzene (S)	86	%	58-141		1	01/19/18 06:30	01/19/18 18:42	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.5**	%	0.10	0.10	1		01/25/18 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: U 15' **Lab ID: 40163585067** Collected: 01/15/18 13:25 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/19/18 19:05	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/19/18 19:05	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/19/18 19:05	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/19/18 19:05	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/19/18 19:05	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: U 15' **Lab ID: 40163585067** Collected: 01/15/18 13:25 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	79-34-5	W
Tetrachloroethene	**89.4**	ug/kg	70.0	29.2	1	01/19/18 06:30	01/19/18 19:05	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/19/18 19:05	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/19/18 19:05	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:05	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	107	%	68-130		1	01/19/18 06:30	01/19/18 19:05	1868-53-7	
Toluene-d8 (S)	107	%	68-149		1	01/19/18 06:30	01/19/18 19:05	2037-26-5	
4-Bromofluorobenzene (S)	102	%	58-141		1	01/19/18 06:30	01/19/18 19:05	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.3**	%	0.10	0.10	1		01/25/18 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: V 2' **Lab ID: 40163585068** Collected: 01/15/18 13:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/19/18 19:28	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/19/18 19:28	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/19/18 19:28	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/19/18 19:28	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/19/18 19:28	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: V 2' **Lab ID: 40163585068** Collected: 01/15/18 13:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	79-34-5	W
Tetrachloroethene	**338**	ug/kg	71.4	29.7	1	01/19/18 06:30	01/19/18 19:28	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/19/18 19:28	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/19/18 19:28	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 19:28	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	68-130		1	01/19/18 06:30	01/19/18 19:28	1868-53-7	
Toluene-d8 (S)	106	%	68-149		1	01/19/18 06:30	01/19/18 19:28	2037-26-5	
4-Bromofluorobenzene (S)	98	%	58-141		1	01/19/18 06:30	01/19/18 19:28	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.9**	%	0.10	0.10	1		01/25/18 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: V 6' **Lab ID: 40163585069** Collected: 01/15/18 13:05 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/22/18 12:13	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/22/18 12:13	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/22/18 12:13	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/22/18 12:13	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/22/18 12:13	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: V 6' **Lab ID: 40163585069** Collected: 01/15/18 13:05 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	79-34-5	W
Tetrachloroethene	**77.2**	ug/kg	69.0	28.8	1	01/19/18 06:30	01/22/18 12:13	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/22/18 12:13	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/22/18 12:13	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 12:13	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	110	%	68-130		1	01/19/18 06:30	01/22/18 12:13	1868-53-7	
Toluene-d8 (S)	109	%	68-149		1	01/19/18 06:30	01/22/18 12:13	2037-26-5	
4-Bromofluorobenzene (S)	102	%	58-141		1	01/19/18 06:30	01/22/18 12:13	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.1**	%	0.10	0.10	1		01/25/18 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: V 10' **Lab ID: 40163585070** Collected: 01/15/18 13:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/22/18 14:57	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/22/18 14:57	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/22/18 14:57	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/22/18 14:57	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/22/18 14:57	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: V 10' **Lab ID: 40163585070** Collected: 01/15/18 13:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	79-34-5	W
Tetrachloroethene	**45.8J**	ug/kg	69.1	28.8	1	01/19/18 06:30	01/22/18 14:57	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/22/18 14:57	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/22/18 14:57	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:57	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	68-130		1	01/19/18 06:30	01/22/18 14:57	1868-53-7	
Toluene-d8 (S)	100	%	68-149		1	01/19/18 06:30	01/22/18 14:57	2037-26-5	
4-Bromofluorobenzene (S)	93	%	58-141		1	01/19/18 06:30	01/22/18 14:57	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.2**	%	0.10	0.10	1		01/25/18 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: W 2-3' **Lab ID: 40163585071** Collected: 01/15/18 14:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/22/18 15:20	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/22/18 15:20	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/22/18 15:20	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/22/18 15:20	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/22/18 15:20	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: W 2-3' **Lab ID: 40163585071** Collected: 01/15/18 14:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	79-34-5	W
Tetrachloroethene	**136**	ug/kg	71.2	29.7	1	01/19/18 06:30	01/22/18 15:20	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/22/18 15:20	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/22/18 15:20	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:20	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	68-130		1	01/19/18 06:30	01/22/18 15:20	1868-53-7	
Toluene-d8 (S)	106	%	68-149		1	01/19/18 06:30	01/22/18 15:20	2037-26-5	
4-Bromofluorobenzene (S)	100	%	58-141		1	01/19/18 06:30	01/22/18 15:20	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.7**	%	0.10	0.10	1		01/25/18 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: W 7-8' **Lab ID: 40163585072** Collected: 01/15/18 14:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/22/18 15:43	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/22/18 15:43	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/22/18 15:43	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/22/18 15:43	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/22/18 15:43	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: W 7-8' **Lab ID: 40163585072** Collected: 01/15/18 14:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	79-34-5	W
Tetrachloroethene	**490**	ug/kg	66.8	27.8	1	01/19/18 06:30	01/22/18 15:43	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/22/18 15:43	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	79-00-5	W
Trichloroethene	**35.9J**	ug/kg	66.8	27.8	1	01/19/18 06:30	01/22/18 15:43	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/22/18 15:43	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 15:43	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	107	%	68-130		1	01/19/18 06:30	01/22/18 15:43	1868-53-7	
Toluene-d8 (S)	104	%	68-149		1	01/19/18 06:30	01/22/18 15:43	2037-26-5	
4-Bromofluorobenzene (S)	98	%	58-141		1	01/19/18 06:30	01/22/18 15:43	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.1**	%	0.10	0.10	1		01/25/18 17:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: W 12' **Lab ID: 40163585073** Collected: 01/15/18 15:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/19/18 16:00	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/19/18 16:00	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/19/18 16:00	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/19/18 16:00	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/19/18 16:00	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: W 12' **Lab ID: 40163585073** Collected: 01/15/18 15:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/19/18 16:00	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/19/18 16:00	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 16:00	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	88	%	68-130		1	01/19/18 06:30	01/19/18 16:00	1868-53-7	
Toluene-d8 (S)	88	%	68-149		1	01/19/18 06:30	01/19/18 16:00	2037-26-5	
4-Bromofluorobenzene (S)	84	%	58-141		1	01/19/18 06:30	01/19/18 16:00	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.4**	%	0.10	0.10	1		01/25/18 17:46		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: X 2-3' **Lab ID: 40163585074** Collected: 01/16/18 11:45 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/22/18 17:16	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/22/18 17:16	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/22/18 17:16	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/22/18 17:16	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/22/18 17:16	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: X 2-3' **Lab ID: 40163585074** Collected: 01/16/18 11:45 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	79-34-5	W
Tetrachloroethene	**154**	ug/kg	67.7	28.2	1	01/19/18 06:30	01/22/18 17:16	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/22/18 17:16	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/22/18 17:16	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 17:16	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	112	%	68-130		1	01/19/18 06:30	01/22/18 17:16	1868-53-7	
Toluene-d8 (S)	109	%	68-149		1	01/19/18 06:30	01/22/18 17:16	2037-26-5	
4-Bromofluorobenzene (S)	107	%	58-141		1	01/19/18 06:30	01/22/18 17:16	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.4**	%	0.10	0.10	1		01/25/18 17:46		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: X 7-8' **Lab ID: 40163585075** Collected: 01/16/18 11:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/22/18 13:47	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/22/18 13:47	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/22/18 13:47	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/22/18 13:47	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/22/18 13:47	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: X 7-8' **Lab ID: 40163585075** Collected: 01/16/18 11:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/22/18 13:47	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/22/18 13:47	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 13:47	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	68-130		1	01/19/18 06:30	01/22/18 13:47	1868-53-7	
Toluene-d8 (S)	102	%	68-149		1	01/19/18 06:30	01/22/18 13:47	2037-26-5	
4-Bromofluorobenzene (S)	96	%	58-141		1	01/19/18 06:30	01/22/18 13:47	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.2**	%	0.10	0.10	1		01/25/18 17:46		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: X 9' **Lab ID: 40163585076** Collected: 01/16/18 11:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/22/18 14:10	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/22/18 14:10	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/22/18 14:10	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/22/18 14:10	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/22/18 14:10	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: X 9' **Lab ID: 40163585076** Collected: 01/16/18 11:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/22/18 14:10	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/22/18 14:10	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 14:10	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	72	%	68-130		1	01/19/18 06:30	01/22/18 14:10	1868-53-7	
Toluene-d8 (S)	74	%	68-149		1	01/19/18 06:30	01/22/18 14:10	2037-26-5	
4-Bromofluorobenzene (S)	71	%	58-141		1	01/19/18 06:30	01/22/18 14:10	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.2**	%	0.10	0.10	1		01/25/18 17:46		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: METH BLANK **Lab ID: 40163585077** Collected: 01/16/18 00:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/19/18 15:37	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/19/18 15:37	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/19/18 15:37	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/19/18 15:37	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/19/18 15:37	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: METH BLANK **Lab ID: 40163585077** Collected: 01/16/18 00:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/19/18 15:37	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/19/18 15:37	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/19/18 15:37	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	89	%	68-130		1	01/19/18 06:30	01/19/18 15:37	1868-53-7	
Toluene-d8 (S)	88	%	68-149		1	01/19/18 06:30	01/19/18 15:37	2037-26-5	
4-Bromofluorobenzene (S)	88	%	58-141		1	01/19/18 06:30	01/19/18 15:37	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

QC Batch: 279378 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40163585002, 40163585003, 40163585004, 40163585005, 40163585006, 40163585007, 40163585008, 40163585009, 40163585010, 40163585011, 40163585012, 40163585013, 40163585014, 40163585015, 40163585016, 40163585017, 40163585018, 40163585019, 40163585020, 40163585021

METHOD BLANK: 1639945 Matrix: Solid
Associated Lab Samples: 40163585002, 40163585003, 40163585004, 40163585005, 40163585006, 40163585007, 40163585008, 40163585009, 40163585010, 40163585011, 40163585012, 40163585013, 40163585014, 40163585015, 40163585016, 40163585017, 40163585018, 40163585019, 40163585020, 40163585021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	01/18/18 09:43	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	01/18/18 09:43	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	01/18/18 09:43	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	01/18/18 09:43	
1,1-Dichloroethane	ug/kg	<17.6	50.0	01/18/18 09:43	
1,1-Dichloroethene	ug/kg	<17.6	50.0	01/18/18 09:43	
1,1-Dichloropropene	ug/kg	<14.0	50.0	01/18/18 09:43	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	01/18/18 09:43	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	01/18/18 09:43	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	01/18/18 09:43	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	01/18/18 09:43	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	01/18/18 09:43	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	01/18/18 09:43	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	01/18/18 09:43	
1,2-Dichloroethane	ug/kg	<15.0	50.0	01/18/18 09:43	
1,2-Dichloropropane	ug/kg	<16.8	50.0	01/18/18 09:43	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	01/18/18 09:43	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	01/18/18 09:43	
1,3-Dichloropropane	ug/kg	<12.0	50.0	01/18/18 09:43	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	01/18/18 09:43	
2,2-Dichloropropane	ug/kg	<12.6	50.0	01/18/18 09:43	
2-Chlorotoluene	ug/kg	<15.8	50.0	01/18/18 09:43	
4-Chlorotoluene	ug/kg	<13.0	50.0	01/18/18 09:43	
Benzene	ug/kg	<9.2	20.0	01/18/18 09:43	
Bromobenzene	ug/kg	<20.6	50.0	01/18/18 09:43	
Bromochloromethane	ug/kg	<21.4	50.0	01/18/18 09:43	
Bromodichloromethane	ug/kg	<9.8	50.0	01/18/18 09:43	
Bromoform	ug/kg	<19.8	50.0	01/18/18 09:43	
Bromomethane	ug/kg	<69.9	250	01/18/18 09:43	
Carbon tetrachloride	ug/kg	<12.1	50.0	01/18/18 09:43	
Chlorobenzene	ug/kg	<14.8	50.0	01/18/18 09:43	
Chloroethane	ug/kg	<67.0	250	01/18/18 09:43	
Chloroform	ug/kg	<46.4	250	01/18/18 09:43	
Chloromethane	ug/kg	<20.4	50.0	01/18/18 09:43	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	01/18/18 09:43	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	01/18/18 09:43	
Dibromochloromethane	ug/kg	<17.9	50.0	01/18/18 09:43	
Dibromomethane	ug/kg	<19.3	50.0	01/18/18 09:43	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

METHOD BLANK: 1639945 Matrix: Solid

Associated Lab Samples: 40163585002, 40163585003, 40163585004, 40163585005, 40163585006, 40163585007, 40163585008, 40163585009, 40163585010, 40163585011, 40163585012, 40163585013, 40163585014, 40163585015, 40163585016, 40163585017, 40163585018, 40163585019, 40163585020, 40163585021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/kg	<12.3	50.0	01/18/18 09:43	
Diisopropyl ether	ug/kg	<17.7	50.0	01/18/18 09:43	
Ethylbenzene	ug/kg	<12.4	50.0	01/18/18 09:43	
Hexachloro-1,3-butadiene	ug/kg	31.2J	50.0	01/18/18 09:43	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	01/18/18 09:43	
m&p-Xylene	ug/kg	<34.4	100	01/18/18 09:43	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	01/18/18 09:43	
Methylene Chloride	ug/kg	<16.2	50.0	01/18/18 09:43	
n-Butylbenzene	ug/kg	<10.5	50.0	01/18/18 09:43	
n-Propylbenzene	ug/kg	<11.6	50.0	01/18/18 09:43	
Naphthalene	ug/kg	<40.0	250	01/18/18 09:43	
o-Xylene	ug/kg	<14.0	50.0	01/18/18 09:43	
p-Isopropyltoluene	ug/kg	<12.0	50.0	01/18/18 09:43	
sec-Butylbenzene	ug/kg	<11.9	50.0	01/18/18 09:43	
Styrene	ug/kg	<9.0	50.0	01/18/18 09:43	
tert-Butylbenzene	ug/kg	<9.5	50.0	01/18/18 09:43	
Tetrachloroethene	ug/kg	<12.9	50.0	01/18/18 09:43	
Toluene	ug/kg	<11.2	50.0	01/18/18 09:43	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	01/18/18 09:43	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	01/18/18 09:43	
Trichloroethene	ug/kg	<23.6	50.0	01/18/18 09:43	
Trichlorofluoromethane	ug/kg	<24.7	50.0	01/18/18 09:43	
Vinyl chloride	ug/kg	<21.1	50.0	01/18/18 09:43	
4-Bromofluorobenzene (S)	%	79	58-141	01/18/18 09:43	
Dibromofluoromethane (S)	%	114	68-130	01/18/18 09:43	
Toluene-d8 (S)	%	95	68-149	01/18/18 09:43	

LABORATORY CONTROL SAMPLE: 1639946

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2550	102	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2140	86	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2460	98	70-130	
1,1-Dichloroethane	ug/kg	2500	2450	98	63-124	
1,1-Dichloroethene	ug/kg	2500	2640	106	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	1920	77	78-130	L2
1,2-Dibromo-3-chloropropane	ug/kg	2500	1950	78	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2330	93	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2330	93	70-130	
1,2-Dichloroethane	ug/kg	2500	2550	102	56-135	
1,2-Dichloropropane	ug/kg	2500	2580	103	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2250	90	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

LABORATORY CONTROL SAMPLE: 1639946

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/kg	2500	2340	94	70-130	
Benzene	ug/kg	2500	2450	98	66-130	
Bromodichloromethane	ug/kg	2500	2720	109	62-135	
Bromoform	ug/kg	2500	2190	87	68-130	
Bromomethane	ug/kg	2500	2270	91	29-137	
Carbon tetrachloride	ug/kg	2500	2910	117	57-130	
Chlorobenzene	ug/kg	2500	2510	101	70-130	
Chloroethane	ug/kg	2500	2460	98	36-144	
Chloroform	ug/kg	2500	2520	101	69-115	
Chloromethane	ug/kg	2500	1540	62	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2340	94	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2220	89	70-130	
Dibromochloromethane	ug/kg	2500	2550	102	70-130	
Dichlorodifluoromethane	ug/kg	2500	1060	43	10-99	
Ethylbenzene	ug/kg	2500	2350	94	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2430	97	70-130	
m&p-Xylene	ug/kg	5000	4970	99	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2220	89	63-134	
Methylene Chloride	ug/kg	2500	2710	108	56-123	
o-Xylene	ug/kg	2500	2340	94	70-130	
Styrene	ug/kg	2500	2490	100	70-130	
Tetrachloroethene	ug/kg	2500	2530	101	70-131	
Toluene	ug/kg	2500	2420	97	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2710	108	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2270	91	68-130	
Trichloroethene	ug/kg	2500	2620	105	70-130	
Trichlorofluoromethane	ug/kg	2500	2650	106	37-149	
Vinyl chloride	ug/kg	2500	2010	80	43-128	
4-Bromofluorobenzene (S)	%			92	58-141	
Dibromofluoromethane (S)	%			110	68-130	
Toluene-d8 (S)	%			98	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1639947 1639948

Parameter	Units	40163585011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1490	1490	1420	1460	96	98	57-123	3	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1490	1490	1260	1240	85	84	73-135	1	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1490	1490	1350	1280	91	86	70-130	5	20	
1,1-Dichloroethane	ug/kg	<25.0	1490	1490	1410	1430	95	96	63-124	1	20	
1,1-Dichloroethene	ug/kg	<25.0	1490	1490	1460	1480	98	99	48-117	1	23	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1490	1490	1200	1220	78	80	78-145	2	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1490	1490	1150	1100	77	74	38-168	4	22	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1490	1490	1320	1290	89	87	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1639947 1639948

Parameter	Units	40163585011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichlorobenzene	ug/kg	<25.0	1490	1490	1380	1400	93	94	70-130	2	20	
1,2-Dichloroethane	ug/kg	<25.0	1490	1490	1550	1500	104	101	56-145	3	20	
1,2-Dichloropropane	ug/kg	<25.0	1490	1490	1450	1500	98	101	77-123	3	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1490	1490	1350	1320	91	89	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1490	1490	1440	1360	97	91	70-130	6	20	
Benzene	ug/kg	<25.0	1490	1490	1430	1490	96	100	65-130	4	20	
Bromodichloromethane	ug/kg	<25.0	1490	1490	1550	1570	104	106	59-141	2	20	
Bromoform	ug/kg	<25.0	1490	1490	1310	1330	88	90	59-141	2	20	
Bromomethane	ug/kg	<69.9	1490	1490	1310	1340	86	89	28-139	2	20	
Carbon tetrachloride	ug/kg	<25.0	1490	1490	1560	1610	105	108	50-130	3	20	
Chlorobenzene	ug/kg	<25.0	1490	1490	1410	1470	95	99	70-130	4	20	
Chloroethane	ug/kg	<67.0	1490	1490	1480	1570	99	105	36-144	6	20	
Chloroform	ug/kg	<46.4	1490	1490	1520	1570	102	105	68-122	3	20	
Chloromethane	ug/kg	<25.0	1490	1490	884	925	59	62	30-126	5	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1490	1490	1350	1380	91	93	63-130	2	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1490	1490	1250	1240	84	83	70-130	1	20	
Dibromochloromethane	ug/kg	<25.0	1490	1490	1370	1400	92	94	66-136	2	20	
Dichlorodifluoromethane	ug/kg	<25.0	1490	1490	502	497	34	33	10-99	1	33	
Ethylbenzene	ug/kg	<25.0	1490	1490	1220	1240	82	84	80-122	2	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1490	1490	1300	1250	88	84	70-130	4	20	
m&p-Xylene	ug/kg	<50.0	2970	2970	2760	2810	93	94	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1490	1490	1280	1280	86	86	63-134	0	20	
Methylene Chloride	ug/kg	<25.0	1490	1490	1650	1700	111	114	56-127	3	20	
o-Xylene	ug/kg	<25.0	1490	1490	1260	1290	85	87	70-130	3	20	
Styrene	ug/kg	<25.0	1490	1490	1300	1370	87	92	70-130	6	20	
Tetrachloroethene	ug/kg	<25.0	1490	1490	1400	1390	94	94	70-131	1	20	
Toluene	ug/kg	<25.0	1490	1490	1360	1340	91	90	80-120	2	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1490	1490	1570	1570	106	105	60-130	1	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1490	1490	1160	1140	78	77	68-130	2	20	
Trichloroethene	ug/kg	<25.0	1490	1490	1470	1520	99	102	70-130	3	20	
Trichlorofluoromethane	ug/kg	<25.0	1490	1490	1470	1510	99	102	37-149	3	24	
Vinyl chloride	ug/kg	<25.0	1490	1490	1090	1130	74	76	39-128	4	20	
4-Bromofluorobenzene (S)	%						90	92	58-141			
Dibromofluoromethane (S)	%						106	117	68-130			
Toluene-d8 (S)	%						95	96	68-149			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

QC Batch: 279383 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40163585022, 40163585023, 40163585024, 40163585025, 40163585026, 40163585027, 40163585028, 40163585029, 40163585030, 40163585031, 40163585032, 40163585033, 40163585034, 40163585035, 40163585036, 40163585037, 40163585038

METHOD BLANK: 1639971 Matrix: Solid
Associated Lab Samples: 40163585022, 40163585023, 40163585024, 40163585025, 40163585026, 40163585027, 40163585028, 40163585029, 40163585030, 40163585031, 40163585032, 40163585033, 40163585034, 40163585035, 40163585036, 40163585037, 40163585038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	01/18/18 10:04	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	01/18/18 10:04	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	01/18/18 10:04	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	01/18/18 10:04	
1,1-Dichloroethane	ug/kg	<17.6	50.0	01/18/18 10:04	
1,1-Dichloroethene	ug/kg	<17.6	50.0	01/18/18 10:04	
1,1-Dichloropropene	ug/kg	<14.0	50.0	01/18/18 10:04	
1,2,3-Trichlorobenzene	ug/kg	29.6J	50.0	01/18/18 10:04	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	01/18/18 10:04	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	01/18/18 10:04	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	01/18/18 10:04	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	01/18/18 10:04	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	01/18/18 10:04	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	01/18/18 10:04	
1,2-Dichloroethane	ug/kg	<15.0	50.0	01/18/18 10:04	
1,2-Dichloropropane	ug/kg	<16.8	50.0	01/18/18 10:04	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	01/18/18 10:04	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	01/18/18 10:04	
1,3-Dichloropropane	ug/kg	<12.0	50.0	01/18/18 10:04	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	01/18/18 10:04	
2,2-Dichloropropane	ug/kg	<12.6	50.0	01/18/18 10:04	
2-Chlorotoluene	ug/kg	<15.8	50.0	01/18/18 10:04	
4-Chlorotoluene	ug/kg	<13.0	50.0	01/18/18 10:04	
Benzene	ug/kg	<9.2	20.0	01/18/18 10:04	
Bromobenzene	ug/kg	<20.6	50.0	01/18/18 10:04	
Bromochloromethane	ug/kg	<21.4	50.0	01/18/18 10:04	
Bromodichloromethane	ug/kg	<9.8	50.0	01/18/18 10:04	
Bromoform	ug/kg	<19.8	50.0	01/18/18 10:04	
Bromomethane	ug/kg	<69.9	250	01/18/18 10:04	
Carbon tetrachloride	ug/kg	<12.1	50.0	01/18/18 10:04	
Chlorobenzene	ug/kg	<14.8	50.0	01/18/18 10:04	
Chloroethane	ug/kg	<67.0	250	01/18/18 10:04	
Chloroform	ug/kg	<46.4	250	01/18/18 10:04	
Chloromethane	ug/kg	<20.4	50.0	01/18/18 10:04	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	01/18/18 10:04	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	01/18/18 10:04	
Dibromochloromethane	ug/kg	<17.9	50.0	01/18/18 10:04	
Dibromomethane	ug/kg	<19.3	50.0	01/18/18 10:04	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

METHOD BLANK: 1639971 Matrix: Solid

Associated Lab Samples: 40163585022, 40163585023, 40163585024, 40163585025, 40163585026, 40163585027, 40163585028, 40163585029, 40163585030, 40163585031, 40163585032, 40163585033, 40163585034, 40163585035, 40163585036, 40163585037, 40163585038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/kg	<12.3	50.0	01/18/18 10:04	
Diisopropyl ether	ug/kg	<17.7	50.0	01/18/18 10:04	
Ethylbenzene	ug/kg	<12.4	50.0	01/18/18 10:04	
Hexachloro-1,3-butadiene	ug/kg	96.3	50.0	01/18/18 10:04	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	01/18/18 10:04	
m&p-Xylene	ug/kg	<34.4	100	01/18/18 10:04	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	01/18/18 10:04	
Methylene Chloride	ug/kg	<16.2	50.0	01/18/18 10:04	
n-Butylbenzene	ug/kg	19.3J	50.0	01/18/18 10:04	
n-Propylbenzene	ug/kg	<11.6	50.0	01/18/18 10:04	
Naphthalene	ug/kg	<40.0	250	01/18/18 10:04	
o-Xylene	ug/kg	<14.0	50.0	01/18/18 10:04	
p-Isopropyltoluene	ug/kg	<12.0	50.0	01/18/18 10:04	
sec-Butylbenzene	ug/kg	<11.9	50.0	01/18/18 10:04	
Styrene	ug/kg	<9.0	50.0	01/18/18 10:04	
tert-Butylbenzene	ug/kg	<9.5	50.0	01/18/18 10:04	
Tetrachloroethene	ug/kg	<12.9	50.0	01/18/18 10:04	
Toluene	ug/kg	<11.2	50.0	01/18/18 10:04	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	01/18/18 10:04	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	01/18/18 10:04	
Trichloroethene	ug/kg	<23.6	50.0	01/18/18 10:04	
Trichlorofluoromethane	ug/kg	<24.7	50.0	01/18/18 10:04	
Vinyl chloride	ug/kg	<21.1	50.0	01/18/18 10:04	
4-Bromofluorobenzene (S)	%	98	58-141	01/18/18 10:04	
Dibromofluoromethane (S)	%	92	68-130	01/18/18 10:04	
Toluene-d8 (S)	%	100	68-149	01/18/18 10:04	

LABORATORY CONTROL SAMPLE: 1639972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2830	113	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2650	106	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2730	109	70-130	
1,1-Dichloroethane	ug/kg	2500	2760	110	63-124	
1,1-Dichloroethene	ug/kg	2500	2810	113	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	2590	104	78-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2240	90	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2640	106	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2790	112	70-130	
1,2-Dichloroethane	ug/kg	2500	2760	110	56-135	
1,2-Dichloropropane	ug/kg	2500	2800	112	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2770	111	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

LABORATORY CONTROL SAMPLE: 1639972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/kg	2500	2560	103	70-130	
Benzene	ug/kg	2500	2730	109	66-130	
Bromodichloromethane	ug/kg	2500	2800	112	62-135	
Bromoform	ug/kg	2500	2390	96	68-130	
Bromomethane	ug/kg	2500	2000	80	29-137	
Carbon tetrachloride	ug/kg	2500	2970	119	57-130	
Chlorobenzene	ug/kg	2500	2730	109	70-130	
Chloroethane	ug/kg	2500	2290	92	36-144	
Chloroform	ug/kg	2500	2730	109	69-115	
Chloromethane	ug/kg	2500	1860	74	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2640	106	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2500	100	70-130	
Dibromochloromethane	ug/kg	2500	2460	98	70-130	
Dichlorodifluoromethane	ug/kg	2500	1380	55	10-99	
Ethylbenzene	ug/kg	2500	2830	113	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2960	118	70-130	
m&p-Xylene	ug/kg	5000	5590	112	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2670	107	63-134	
Methylene Chloride	ug/kg	2500	2530	101	56-123	
o-Xylene	ug/kg	2500	2890	115	70-130	
Styrene	ug/kg	2500	2950	118	70-130	
Tetrachloroethene	ug/kg	2500	2760	110	70-131	
Toluene	ug/kg	2500	2810	112	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2820	113	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2600	104	68-130	
Trichloroethene	ug/kg	2500	2660	106	70-130	
Trichlorofluoromethane	ug/kg	2500	2480	99	37-149	
Vinyl chloride	ug/kg	2500	2390	95	43-128	
4-Bromofluorobenzene (S)	%			100	58-141	
Dibromofluoromethane (S)	%			103	68-130	
Toluene-d8 (S)	%			101	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1639973 1639974

Parameter	Units	40163585023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1480	1480	1570	1450	106	98	57-123	8	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1480	1480	1550	1540	105	104	73-135	1	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1480	1480	1580	1520	107	102	70-130	4	20	
1,1-Dichloroethane	ug/kg	<25.0	1480	1480	1530	1490	103	101	63-124	2	20	
1,1-Dichloroethene	ug/kg	<25.0	1480	1480	1470	1310	99	89	48-117	11	23	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1480	1480	1750	1610	115	105	78-145	9	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1480	1480	1340	1360	91	92	38-168	1	22	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1480	1480	1570	1580	106	106	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1639973 1639974

Parameter	Units	40163585023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichlorobenzene	ug/kg	<25.0	1480	1480	1660	1570	112	106	70-130	6	20	
1,2-Dichloroethane	ug/kg	<25.0	1480	1480	1610	1530	108	103	56-145	5	20	
1,2-Dichloropropane	ug/kg	<25.0	1480	1480	1640	1600	110	108	77-123	2	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1480	1480	1640	1580	111	106	70-130	4	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1480	1480	1600	1550	108	105	70-130	3	20	
Benzene	ug/kg	<25.0	1480	1480	1560	1500	105	101	65-130	4	20	
Bromodichloromethane	ug/kg	<25.0	1480	1480	1560	1560	106	105	59-141	0	20	
Bromoform	ug/kg	<25.0	1480	1480	1380	1360	93	92	59-141	1	20	
Bromomethane	ug/kg	<69.9	1480	1480	1160	1120	79	75	28-139	4	20	
Carbon tetrachloride	ug/kg	<25.0	1480	1480	1510	1430	102	97	50-130	5	20	
Chlorobenzene	ug/kg	<25.0	1480	1480	1570	1530	106	103	70-130	3	20	
Chloroethane	ug/kg	<67.0	1480	1480	1310	1240	88	84	36-144	5	20	
Chloroform	ug/kg	<46.4	1480	1480	1560	1520	105	103	68-122	2	20	
Chloromethane	ug/kg	<25.0	1480	1480	953	940	64	63	30-126	1	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1480	1480	1550	1450	104	98	63-130	7	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1480	1480	1450	1400	98	94	70-130	4	20	
Dibromochloromethane	ug/kg	<25.0	1480	1480	1490	1460	101	98	66-136	2	20	
Dichlorodifluoromethane	ug/kg	<25.0	1480	1480	595	577	40	39	10-99	3	33	
Ethylbenzene	ug/kg	<25.0	1480	1480	1610	1540	109	104	80-122	5	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1480	1480	1640	1580	111	107	70-130	4	20	
m&p-Xylene	ug/kg	<50.0	2960	2960	3150	3080	106	104	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1480	1480	1520	1510	103	102	63-134	1	20	
Methylene Chloride	ug/kg	<25.0	1480	1480	1480	1460	99	97	56-127	2	20	
o-Xylene	ug/kg	<25.0	1480	1480	1650	1570	112	106	70-130	5	20	
Styrene	ug/kg	<25.0	1480	1480	1670	1610	113	109	70-130	4	20	
Tetrachloroethene	ug/kg	4030	1480	1480	5640	5430	108	95	70-131	4	20	
Toluene	ug/kg	<25.0	1480	1480	1580	1540	107	104	80-120	3	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1480	1480	1560	1490	105	101	60-130	4	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1480	1480	1420	1420	96	96	68-130	0	20	
Trichloroethene	ug/kg	<25.0	1480	1480	1480	1420	100	96	70-130	4	20	
Trichlorofluoromethane	ug/kg	<25.0	1480	1480	1250	1160	85	78	37-149	8	24	
Vinyl chloride	ug/kg	<25.0	1480	1480	1190	1120	80	75	39-128	6	20	
4-Bromofluorobenzene (S)	%						108	105	58-141			
Dibromofluoromethane (S)	%						107	103	68-130			
Toluene-d8 (S)	%						109	107	68-149			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

QC Batch: 279437 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40163585039, 40163585040, 40163585041, 40163585042, 40163585043, 40163585044, 40163585045, 40163585046, 40163585047, 40163585048, 40163585049, 40163585050, 40163585051, 40163585052, 40163585053, 40163585054, 40163585055, 40163585056, 40163585057, 40163585058

METHOD BLANK: 1640317 Matrix: Solid
Associated Lab Samples: 40163585039, 40163585040, 40163585041, 40163585042, 40163585043, 40163585044, 40163585045, 40163585046, 40163585047, 40163585048, 40163585049, 40163585050, 40163585051, 40163585052, 40163585053, 40163585054, 40163585055, 40163585056, 40163585057, 40163585058

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	01/22/18 11:11	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	01/22/18 11:11	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	01/22/18 11:11	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	01/22/18 11:11	
1,1-Dichloroethane	ug/kg	<17.6	50.0	01/22/18 11:11	
1,1-Dichloroethene	ug/kg	<17.6	50.0	01/22/18 11:11	
1,1-Dichloropropene	ug/kg	<14.0	50.0	01/22/18 11:11	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	01/22/18 11:11	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	01/22/18 11:11	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	01/22/18 11:11	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	01/22/18 11:11	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	01/22/18 11:11	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	01/22/18 11:11	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	01/22/18 11:11	
1,2-Dichloroethane	ug/kg	<15.0	50.0	01/22/18 11:11	
1,2-Dichloropropane	ug/kg	<16.8	50.0	01/22/18 11:11	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	01/22/18 11:11	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	01/22/18 11:11	
1,3-Dichloropropane	ug/kg	<12.0	50.0	01/22/18 11:11	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	01/22/18 11:11	
2,2-Dichloropropane	ug/kg	<12.6	50.0	01/22/18 11:11	
2-Chlorotoluene	ug/kg	<15.8	50.0	01/22/18 11:11	
4-Chlorotoluene	ug/kg	<13.0	50.0	01/22/18 11:11	
Benzene	ug/kg	<9.2	20.0	01/22/18 11:11	
Bromobenzene	ug/kg	<20.6	50.0	01/22/18 11:11	
Bromochloromethane	ug/kg	<21.4	50.0	01/22/18 11:11	
Bromodichloromethane	ug/kg	<9.8	50.0	01/22/18 11:11	
Bromoform	ug/kg	<19.8	50.0	01/22/18 11:11	
Bromomethane	ug/kg	<69.9	250	01/22/18 11:11	
Carbon tetrachloride	ug/kg	<12.1	50.0	01/22/18 11:11	
Chlorobenzene	ug/kg	<14.8	50.0	01/22/18 11:11	
Chloroethane	ug/kg	<67.0	250	01/22/18 11:11	
Chloroform	ug/kg	<46.4	250	01/22/18 11:11	
Chloromethane	ug/kg	<20.4	50.0	01/22/18 11:11	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	01/22/18 11:11	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	01/22/18 11:11	
Dibromochloromethane	ug/kg	<17.9	50.0	01/22/18 11:11	
Dibromomethane	ug/kg	<19.3	50.0	01/22/18 11:11	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

METHOD BLANK: 1640317 Matrix: Solid

Associated Lab Samples: 40163585039, 40163585040, 40163585041, 40163585042, 40163585043, 40163585044, 40163585045, 40163585046, 40163585047, 40163585048, 40163585049, 40163585050, 40163585051, 40163585052, 40163585053, 40163585054, 40163585055, 40163585056, 40163585057, 40163585058

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/kg	<12.3	50.0	01/22/18 11:11	
Diisopropyl ether	ug/kg	<17.7	50.0	01/22/18 11:11	
Ethylbenzene	ug/kg	<12.4	50.0	01/22/18 11:11	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	01/22/18 11:11	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	01/22/18 11:11	
m&p-Xylene	ug/kg	<34.4	100	01/22/18 11:11	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	01/22/18 11:11	
Methylene Chloride	ug/kg	<16.2	50.0	01/22/18 11:11	
n-Butylbenzene	ug/kg	<10.5	50.0	01/22/18 11:11	
n-Propylbenzene	ug/kg	<11.6	50.0	01/22/18 11:11	
Naphthalene	ug/kg	<40.0	250	01/22/18 11:11	
o-Xylene	ug/kg	<14.0	50.0	01/22/18 11:11	
p-Isopropyltoluene	ug/kg	<12.0	50.0	01/22/18 11:11	
sec-Butylbenzene	ug/kg	<11.9	50.0	01/22/18 11:11	
Styrene	ug/kg	<9.0	50.0	01/22/18 11:11	
tert-Butylbenzene	ug/kg	<9.5	50.0	01/22/18 11:11	
Tetrachloroethene	ug/kg	<12.9	50.0	01/22/18 11:11	
Toluene	ug/kg	<11.2	50.0	01/22/18 11:11	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	01/22/18 11:11	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	01/22/18 11:11	
Trichloroethene	ug/kg	<23.6	50.0	01/22/18 11:11	
Trichlorofluoromethane	ug/kg	<24.7	50.0	01/22/18 11:11	
Vinyl chloride	ug/kg	<21.1	50.0	01/22/18 11:11	
4-Bromofluorobenzene (S)	%	79	58-141	01/22/18 11:11	
Dibromofluoromethane (S)	%	112	68-130	01/22/18 11:11	
Toluene-d8 (S)	%	98	68-149	01/22/18 11:11	

LABORATORY CONTROL SAMPLE: 1640318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2330	93	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2350	94	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2510	101	70-130	
1,1-Dichloroethane	ug/kg	2500	2200	88	63-124	
1,1-Dichloroethene	ug/kg	2500	2340	94	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	1860	74	78-130	L2
1,2-Dibromo-3-chloropropane	ug/kg	2500	1990	80	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2510	101	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2340	94	70-130	
1,2-Dichloroethane	ug/kg	2500	2470	99	56-135	
1,2-Dichloropropane	ug/kg	2500	2490	100	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2210	88	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

LABORATORY CONTROL SAMPLE: 1640318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/kg	2500	2290	92	70-130	
Benzene	ug/kg	2500	2230	89	66-130	
Bromodichloromethane	ug/kg	2500	2660	107	62-135	
Bromoform	ug/kg	2500	2390	96	68-130	
Bromomethane	ug/kg	2500	1900	76	29-137	
Carbon tetrachloride	ug/kg	2500	2510	101	57-130	
Chlorobenzene	ug/kg	2500	2520	101	70-130	
Chloroethane	ug/kg	2500	2150	86	36-144	
Chloroform	ug/kg	2500	2300	92	69-115	
Chloromethane	ug/kg	2500	1280	51	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2100	84	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2200	88	70-130	
Dibromochloromethane	ug/kg	2500	2720	109	70-130	
Dichlorodifluoromethane	ug/kg	2500	885	35	10-99	
Ethylbenzene	ug/kg	2500	2370	95	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2400	96	70-130	
m&p-Xylene	ug/kg	5000	5010	100	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2150	86	63-134	
Methylene Chloride	ug/kg	2500	2440	98	56-123	
o-Xylene	ug/kg	2500	2400	96	70-130	
Styrene	ug/kg	2500	2510	100	70-130	
Tetrachloroethene	ug/kg	2500	2580	103	70-131	
Toluene	ug/kg	2500	2470	99	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2220	89	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2390	96	68-130	
Trichloroethene	ug/kg	2500	2490	99	70-130	
Trichlorofluoromethane	ug/kg	2500	2370	95	37-149	
Vinyl chloride	ug/kg	2500	1720	69	43-128	
4-Bromofluorobenzene (S)	%			92	58-141	
Dibromofluoromethane (S)	%			99	68-130	
Toluene-d8 (S)	%			97	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1640319 1640320

Parameter	Units	40163585056 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1450	1450	1240	1420	86	98	57-123	14	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1450	1450	1420	1330	98	92	73-135	7	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1450	1450	1510	1400	104	97	70-130	7	20	
1,1-Dichloroethane	ug/kg	<25.0	1450	1450	1270	1410	87	97	63-124	11	20	
1,1-Dichloroethene	ug/kg	<25.0	1450	1450	1260	1410	87	97	48-117	11	23	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1450	1450	1180	1070	79	72	78-145	9	20	M0
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1450	1450	1170	994	81	69	38-168	16	22	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1450	1450	1400	1370	97	94	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1640319 1640320

Parameter	Units	40163585056 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichlorobenzene	ug/kg	<25.0	1450	1450	1400	1370	96	95	70-130	2	20	
1,2-Dichloroethane	ug/kg	<25.0	1450	1450	1490	1480	103	102	56-145	0	20	
1,2-Dichloropropane	ug/kg	<25.0	1450	1450	1380	1450	95	100	77-123	5	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1450	1450	1350	1320	93	91	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1450	1450	1400	1400	96	97	70-130	0	20	
Benzene	ug/kg	<25.0	1450	1450	1290	1370	89	95	65-130	6	20	
Bromodichloromethane	ug/kg	<25.0	1450	1450	1500	1510	104	104	59-141	0	20	
Bromoform	ug/kg	<25.0	1450	1450	1500	1380	104	95	59-141	8	20	
Bromomethane	ug/kg	<69.9	1450	1450	1200	1290	83	89	28-139	7	20	
Carbon tetrachloride	ug/kg	<25.0	1450	1450	1350	1490	93	103	50-130	10	20	
Chlorobenzene	ug/kg	<25.0	1450	1450	1460	1530	101	106	70-130	5	20	
Chloroethane	ug/kg	<67.0	1450	1450	1220	1460	84	101	36-144	18	20	
Chloroform	ug/kg	<46.4	1450	1450	1320	1470	91	102	68-122	11	20	
Chloromethane	ug/kg	<25.0	1450	1450	854	912	59	63	30-126	7	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1450	1450	1240	1260	86	87	63-130	1	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1450	1450	1160	1150	80	79	70-130	1	20	
Dibromochloromethane	ug/kg	<25.0	1450	1450	1520	1510	105	104	66-136	0	20	
Dichlorodifluoromethane	ug/kg	<25.0	1450	1450	614	677	42	47	10-99	10	33	
Ethylbenzene	ug/kg	<25.0	1450	1450	1240	1250	86	86	80-122	1	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1450	1450	1220	1280	84	88	70-130	5	20	
m&p-Xylene	ug/kg	<50.0	2900	2900	2700	2870	93	99	70-130	6	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1450	1450	1310	1200	91	83	63-134	9	20	
Methylene Chloride	ug/kg	<25.0	1450	1450	1440	1610	99	111	56-127	11	20	
o-Xylene	ug/kg	<25.0	1450	1450	1260	1340	87	92	70-130	6	20	
Styrene	ug/kg	<25.0	1450	1450	1380	1410	95	97	70-130	2	20	
Tetrachloroethene	ug/kg	<25.0	1450	1450	1380	1460	95	101	70-131	6	20	
Toluene	ug/kg	<25.0	1450	1450	1360	1430	94	98	80-120	5	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1450	1450	1350	1530	93	106	60-130	13	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1450	1450	1310	1210	90	84	68-130	7	20	
Trichloroethene	ug/kg	<25.0	1450	1450	1340	1460	93	101	70-130	8	20	
Trichlorofluoromethane	ug/kg	<25.0	1450	1450	1310	1440	91	99	37-149	9	24	
Vinyl chloride	ug/kg	<25.0	1450	1450	1030	1130	71	78	39-128	10	20	
4-Bromofluorobenzene (S)	%						81	81	58-141			
Dibromofluoromethane (S)	%						90	94	68-130			
Toluene-d8 (S)	%						86	86	68-149			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

QC Batch: 279439 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40163585001, 40163585059, 40163585060, 40163585061, 40163585062, 40163585063, 40163585064, 40163585065, 40163585066, 40163585067, 40163585068, 40163585069, 40163585070, 40163585071, 40163585072, 40163585073, 40163585074, 40163585075, 40163585076, 40163585077

METHOD BLANK: 1640321 Matrix: Solid
Associated Lab Samples: 40163585001, 40163585059, 40163585060, 40163585061, 40163585062, 40163585063, 40163585064, 40163585065, 40163585066, 40163585067, 40163585068, 40163585069, 40163585070, 40163585071, 40163585072, 40163585073, 40163585074, 40163585075, 40163585076, 40163585077

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	01/19/18 10:35	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	01/19/18 10:35	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	01/19/18 10:35	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	01/19/18 10:35	
1,1-Dichloroethane	ug/kg	<17.6	50.0	01/19/18 10:35	
1,1-Dichloroethene	ug/kg	<17.6	50.0	01/19/18 10:35	
1,1-Dichloropropene	ug/kg	<14.0	50.0	01/19/18 10:35	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	01/19/18 10:35	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	01/19/18 10:35	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	01/19/18 10:35	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	01/19/18 10:35	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	01/19/18 10:35	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	01/19/18 10:35	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	01/19/18 10:35	
1,2-Dichloroethane	ug/kg	<15.0	50.0	01/19/18 10:35	
1,2-Dichloropropane	ug/kg	<16.8	50.0	01/19/18 10:35	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	01/19/18 10:35	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	01/19/18 10:35	
1,3-Dichloropropane	ug/kg	<12.0	50.0	01/19/18 10:35	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	01/19/18 10:35	
2,2-Dichloropropane	ug/kg	<12.6	50.0	01/19/18 10:35	
2-Chlorotoluene	ug/kg	<15.8	50.0	01/19/18 10:35	
4-Chlorotoluene	ug/kg	<13.0	50.0	01/19/18 10:35	
Benzene	ug/kg	<9.2	20.0	01/19/18 10:35	
Bromobenzene	ug/kg	<20.6	50.0	01/19/18 10:35	
Bromochloromethane	ug/kg	<21.4	50.0	01/19/18 10:35	
Bromodichloromethane	ug/kg	<9.8	50.0	01/19/18 10:35	
Bromoform	ug/kg	<19.8	50.0	01/19/18 10:35	
Bromomethane	ug/kg	<69.9	250	01/19/18 10:35	
Carbon tetrachloride	ug/kg	<12.1	50.0	01/19/18 10:35	
Chlorobenzene	ug/kg	<14.8	50.0	01/19/18 10:35	
Chloroethane	ug/kg	<67.0	250	01/19/18 10:35	
Chloroform	ug/kg	<46.4	250	01/19/18 10:35	
Chloromethane	ug/kg	<20.4	50.0	01/19/18 10:35	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	01/19/18 10:35	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	01/19/18 10:35	
Dibromochloromethane	ug/kg	<17.9	50.0	01/19/18 10:35	
Dibromomethane	ug/kg	<19.3	50.0	01/19/18 10:35	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

METHOD BLANK: 1640321 Matrix: Solid

Associated Lab Samples: 40163585001, 40163585059, 40163585060, 40163585061, 40163585062, 40163585063, 40163585064, 40163585065, 40163585066, 40163585067, 40163585068, 40163585069, 40163585070, 40163585071, 40163585072, 40163585073, 40163585074, 40163585075, 40163585076, 40163585077

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/kg	<12.3	50.0	01/19/18 10:35	
Diisopropyl ether	ug/kg	<17.7	50.0	01/19/18 10:35	
Ethylbenzene	ug/kg	<12.4	50.0	01/19/18 10:35	
Hexachloro-1,3-butadiene	ug/kg	42.3J	50.0	01/19/18 10:35	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	01/19/18 10:35	
m&p-Xylene	ug/kg	<34.4	100	01/19/18 10:35	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	01/19/18 10:35	
Methylene Chloride	ug/kg	<16.2	50.0	01/19/18 10:35	
n-Butylbenzene	ug/kg	<10.5	50.0	01/19/18 10:35	
n-Propylbenzene	ug/kg	<11.6	50.0	01/19/18 10:35	
Naphthalene	ug/kg	<40.0	250	01/19/18 10:35	
o-Xylene	ug/kg	<14.0	50.0	01/19/18 10:35	
p-Isopropyltoluene	ug/kg	<12.0	50.0	01/19/18 10:35	
sec-Butylbenzene	ug/kg	<11.9	50.0	01/19/18 10:35	
Styrene	ug/kg	<9.0	50.0	01/19/18 10:35	
tert-Butylbenzene	ug/kg	<9.5	50.0	01/19/18 10:35	
Tetrachloroethene	ug/kg	<12.9	50.0	01/19/18 10:35	
Toluene	ug/kg	<11.2	50.0	01/19/18 10:35	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	01/19/18 10:35	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	01/19/18 10:35	
Trichloroethene	ug/kg	<23.6	50.0	01/19/18 10:35	
Trichlorofluoromethane	ug/kg	<24.7	50.0	01/19/18 10:35	
Vinyl chloride	ug/kg	<21.1	50.0	01/19/18 10:35	
4-Bromofluorobenzene (S)	%	99	58-141	01/19/18 10:35	
Dibromofluoromethane (S)	%	97	68-130	01/19/18 10:35	
Toluene-d8 (S)	%	103	68-149	01/19/18 10:35	

LABORATORY CONTROL SAMPLE: 1640322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2710	109	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2760	110	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2840	113	70-130	
1,1-Dichloroethane	ug/kg	2500	2700	108	63-124	
1,1-Dichloroethene	ug/kg	2500	2590	103	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	2530	101	78-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2300	92	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2750	110	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2660	106	70-130	
1,2-Dichloroethane	ug/kg	2500	2800	112	56-135	
1,2-Dichloropropane	ug/kg	2500	2900	116	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2600	104	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

LABORATORY CONTROL SAMPLE: 1640322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/kg	2500	2570	103	70-130	
Benzene	ug/kg	2500	2620	105	66-130	
Bromodichloromethane	ug/kg	2500	2730	109	62-135	
Bromoform	ug/kg	2500	2200	88	68-130	
Bromomethane	ug/kg	2500	1890	76	29-137	
Carbon tetrachloride	ug/kg	2500	2620	105	57-130	
Chlorobenzene	ug/kg	2500	2610	104	70-130	
Chloroethane	ug/kg	2500	2160	86	36-144	
Chloroform	ug/kg	2500	2630	105	69-115	
Chloromethane	ug/kg	2500	1780	71	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2410	96	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2410	96	70-130	
Dibromochloromethane	ug/kg	2500	2340	94	70-130	
Dichlorodifluoromethane	ug/kg	2500	1140	46	10-99	
Ethylbenzene	ug/kg	2500	2750	110	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2820	113	70-130	
m&p-Xylene	ug/kg	5000	5350	107	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2700	108	63-134	
Methylene Chloride	ug/kg	2500	2500	100	56-123	
o-Xylene	ug/kg	2500	2730	109	70-130	
Styrene	ug/kg	2500	2890	116	70-130	
Tetrachloroethene	ug/kg	2500	2580	103	70-131	
Toluene	ug/kg	2500	2750	110	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2660	106	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2590	103	68-130	
Trichloroethene	ug/kg	2500	2630	105	70-130	
Trichlorofluoromethane	ug/kg	2500	2290	92	37-149	
Vinyl chloride	ug/kg	2500	2190	88	43-128	
4-Bromofluorobenzene (S)	%			100	58-141	
Dibromofluoromethane (S)	%			98	68-130	
Toluene-d8 (S)	%			100	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1640323 1640324

Parameter	Units	40163585073 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1440	1440	1510	1450	105	101	57-123	4	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1440	1440	1730	1660	120	115	73-135	4	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1440	1440	1700	1630	118	113	70-130	4	20	
1,1-Dichloroethane	ug/kg	<25.0	1440	1440	1640	1600	114	111	63-124	3	20	
1,1-Dichloroethene	ug/kg	<25.0	1440	1440	1440	1380	100	95	48-117	4	23	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1440	1440	1730	1570	120	109	78-145	10	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1440	1440	1510	1510	105	105	38-168	0	22	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1440	1440	1540	1590	107	110	70-130	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1640323 1640324

Parameter	Units	40163585073 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichlorobenzene	ug/kg	<25.0	1440	1440	1690	1620	117	112	70-130	4	20	
1,2-Dichloroethane	ug/kg	<25.0	1440	1440	1690	1740	117	121	56-145	3	20	
1,2-Dichloropropane	ug/kg	<25.0	1440	1440	1640	1620	114	112	77-123	1	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1440	1440	1630	1490	113	103	70-130	9	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1440	1440	1630	1550	113	107	70-130	5	20	
Benzene	ug/kg	<25.0	1440	1440	1550	1550	108	107	65-130	1	20	
Bromodichloromethane	ug/kg	<25.0	1440	1440	1550	1570	108	109	59-141	1	20	
Bromoform	ug/kg	<25.0	1440	1440	1350	1440	94	100	59-141	6	20	
Bromomethane	ug/kg	<69.9	1440	1440	1200	1190	83	82	28-139	1	20	
Carbon tetrachloride	ug/kg	<25.0	1440	1440	1500	1390	104	96	50-130	7	20	
Chlorobenzene	ug/kg	<25.0	1440	1440	1590	1580	110	110	70-130	0	20	
Chloroethane	ug/kg	<67.0	1440	1440	1300	1320	90	91	36-144	1	20	
Chloroform	ug/kg	<46.4	1440	1440	1610	1620	111	112	68-122	1	20	
Chloromethane	ug/kg	<25.0	1440	1440	1170	1170	81	81	30-126	1	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1440	1440	1510	1490	104	103	63-130	1	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1440	1440	1390	1390	96	96	70-130	0	20	
Dibromochloromethane	ug/kg	<25.0	1440	1440	1400	1460	97	101	66-136	4	20	
Dichlorodifluoromethane	ug/kg	<25.0	1440	1440	899	781	62	54	10-99	14	33	
Ethylbenzene	ug/kg	<25.0	1440	1440	1580	1510	109	104	80-122	5	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1440	1440	1630	1530	113	106	70-130	7	20	
m&p-Xylene	ug/kg	<50.0	2890	2890	3170	3060	110	106	70-130	4	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1440	1440	1660	1680	115	116	63-134	1	20	
Methylene Chloride	ug/kg	<25.0	1440	1440	1530	1570	105	107	56-127	3	20	
o-Xylene	ug/kg	<25.0	1440	1440	1650	1600	115	111	70-130	3	20	
Styrene	ug/kg	<25.0	1440	1440	1660	1630	115	113	70-130	1	20	
Tetrachloroethene	ug/kg	<25.0	1440	1440	1470	1370	102	95	70-131	7	20	
Toluene	ug/kg	<25.0	1440	1440	1580	1550	109	108	80-120	1	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1440	1440	1580	1530	110	106	60-130	4	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1440	1440	1450	1530	100	106	68-130	5	20	
Trichloroethene	ug/kg	<25.0	1440	1440	1440	1440	100	100	70-130	0	20	
Trichlorofluoromethane	ug/kg	<25.0	1440	1440	1310	1140	91	79	37-149	14	24	
Vinyl chloride	ug/kg	<25.0	1440	1440	1370	1280	95	88	39-128	7	20	
4-Bromofluorobenzene (S)	%						97	97	58-141			
Dibromofluoromethane (S)	%						98	98	68-130			
Toluene-d8 (S)	%						96	98	68-149			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

QC Batch: 279431 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 40163585001, 40163585002, 40163585005, 40163585007, 40163585009, 40163585012, 40163585018

METHOD BLANK: 1640299 Matrix: Water
Associated Lab Samples: 40163585001, 40163585002, 40163585005, 40163585007, 40163585009, 40163585012, 40163585018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.00041	0.0010	01/19/18 08:59	
1,2-Dichloroethane	mg/L	<0.00017	0.0010	01/19/18 08:59	
2-Butanone (MEK)	mg/L	<0.0030	0.020	01/19/18 08:59	
Benzene	mg/L	<0.00050	0.0010	01/19/18 08:59	
Carbon tetrachloride	mg/L	<0.00050	0.0010	01/19/18 08:59	
Chlorobenzene	mg/L	<0.00050	0.0010	01/19/18 08:59	
Chloroform	mg/L	<0.0025	0.0050	01/19/18 08:59	
Tetrachloroethene	mg/L	<0.00050	0.0010	01/19/18 08:59	
Trichloroethene	mg/L	<0.00033	0.0010	01/19/18 08:59	
Vinyl chloride	mg/L	<0.00018	0.0010	01/19/18 08:59	
4-Bromofluorobenzene (S)	%	84	61-130	01/19/18 08:59	
Dibromofluoromethane (S)	%	111	67-130	01/19/18 08:59	
Toluene-d8 (S)	%	93	70-130	01/19/18 08:59	

METHOD BLANK: 1639849 Matrix: Solid
Associated Lab Samples: 40163585001, 40163585002, 40163585005, 40163585007, 40163585009, 40163585012, 40163585018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.0041	0.010	01/19/18 09:22	
1,2-Dichloroethane	mg/L	<0.0017	0.010	01/19/18 09:22	
2-Butanone (MEK)	mg/L	<0.030	0.20	01/19/18 09:22	
Benzene	mg/L	<0.0050	0.010	01/19/18 09:22	
Carbon tetrachloride	mg/L	<0.0050	0.010	01/19/18 09:22	
Chlorobenzene	mg/L	<0.0050	0.010	01/19/18 09:22	
Chloroform	mg/L	<0.025	0.050	01/19/18 09:22	
Tetrachloroethene	mg/L	<0.0050	0.010	01/19/18 09:22	
Trichloroethene	mg/L	<0.0033	0.010	01/19/18 09:22	
Vinyl chloride	mg/L	<0.0018	0.010	01/19/18 09:22	
4-Bromofluorobenzene (S)	%	85	61-130	01/19/18 09:22	
Dibromofluoromethane (S)	%	104	67-130	01/19/18 09:22	
Toluene-d8 (S)	%	93	70-130	01/19/18 09:22	

LABORATORY CONTROL SAMPLE: 1640300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	mg/L	.05	0.048	96	75-130	
1,2-Dichloroethane	mg/L	.05	0.043	87	70-131	
Benzene	mg/L	.05	0.044	89	73-145	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

LABORATORY CONTROL SAMPLE: 1640300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	mg/L	.05	0.057	113	70-133	
Chlorobenzene	mg/L	.05	0.056	112	70-130	
Chloroform	mg/L	.05	0.052	104	80-121	
Tetrachloroethene	mg/L	.05	0.055	111	70-130	
Trichloroethene	mg/L	.05	0.053	106	70-130	
Vinyl chloride	mg/L	.05	0.036	72	57-136	
4-Bromofluorobenzene (S)	%			98	61-130	
Dibromofluoromethane (S)	%			99	67-130	
Toluene-d8 (S)	%			92	70-130	

MATRIX SPIKE SAMPLE: 1640329

Parameter	Units	40163551001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	mg/L	<4.1 ug/L	.5	0.46	92	75-136	
1,2-Dichloroethane	mg/L	<1.7 ug/L	.5	0.45	91	70-131	
2-Butanone (MEK)	mg/L	<29.8 ug/L		<0.030			
Benzene	mg/L	<5.0 ug/L	.5	0.45	91	73-145	
Carbon tetrachloride	mg/L	<5.0 ug/L	.5	0.57	115	70-134	
Chlorobenzene	mg/L	<5.0 ug/L	.5	0.55	109	70-130	
Chloroform	mg/L	<25.0 ug/L	.5	0.53	107	80-121	
Tetrachloroethene	mg/L	<5.0 ug/L	.5	0.55	110	70-130	
Trichloroethene	mg/L	<3.3 ug/L	.5	0.52	104	70-130	
Vinyl chloride	mg/L	<1.8 ug/L	.5	0.37	74	56-143	
4-Bromofluorobenzene (S)	%				100	61-130	
Dibromofluoromethane (S)	%				100	67-130	
Toluene-d8 (S)	%				94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1640335 1640336

Parameter	Units	40163466001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	mg/L	<4.1 ug/L	.5	.5	0.47	0.49	94	97	75-136	4	20	
1,2-Dichloroethane	mg/L	<1.7 ug/L	.5	.5	0.44	0.45	87	91	70-131	4	20	
2-Butanone (MEK)	mg/L	<29.8 ug/L			<0.030	<0.030					20	
Benzene	mg/L	<5.0 ug/L	.5	.5	0.44	0.47	89	94	73-145	5	20	
Carbon tetrachloride	mg/L	<5.0 ug/L	.5	.5	0.57	0.60	114	121	70-134	5	20	
Chlorobenzene	mg/L	<5.0 ug/L	.5	.5	0.56	0.57	111	114	70-130	3	20	
Chloroform	mg/L	<25.0 ug/L	.5	.5	0.52	0.54	103	108	80-121	4	20	
Tetrachloroethene	mg/L	<5.0 ug/L	.5	.5	0.55	0.55	110	110	70-130	0	20	
Trichloroethene	mg/L	<3.3 ug/L	.5	.5	0.56	0.56	112	113	70-130	1	20	
Vinyl chloride	mg/L	<1.8 ug/L	.5	.5	0.39	0.40	78	79	56-143	2	20	
4-Bromofluorobenzene (S)	%						98	98	61-130			
Dibromofluoromethane (S)	%						98	105	67-130			
Toluene-d8 (S)	%						95	94	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

QC Batch: 279567 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 40163585025, 40163585036, 40163585038

METHOD BLANK: 1641043 Matrix: Water
Associated Lab Samples: 40163585025, 40163585036, 40163585038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.00041	0.0010	01/23/18 09:21	
1,2-Dichloroethane	mg/L	<0.00017	0.0010	01/23/18 09:21	
2-Butanone (MEK)	mg/L	<0.0030	0.020	01/23/18 09:21	
Benzene	mg/L	<0.00050	0.0010	01/23/18 09:21	
Carbon tetrachloride	mg/L	<0.00050	0.0010	01/23/18 09:21	
Chlorobenzene	mg/L	<0.00050	0.0010	01/23/18 09:21	
Chloroform	mg/L	<0.0025	0.0050	01/23/18 09:21	
Tetrachloroethene	mg/L	<0.00050	0.0010	01/23/18 09:21	
Trichloroethene	mg/L	<0.00033	0.0010	01/23/18 09:21	
Vinyl chloride	mg/L	<0.00018	0.0010	01/23/18 09:21	
4-Bromofluorobenzene (S)	%	78	61-130	01/23/18 09:21	
Dibromofluoromethane (S)	%	110	67-130	01/23/18 09:21	
Toluene-d8 (S)	%	90	70-130	01/23/18 09:21	

METHOD BLANK: 1640833 Matrix: Solid
Associated Lab Samples: 40163585025, 40163585036, 40163585038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.0041	0.010	01/23/18 16:29	
1,2-Dichloroethane	mg/L	<0.0017	0.010	01/23/18 16:29	
2-Butanone (MEK)	mg/L	<0.030	0.20	01/23/18 16:29	
Benzene	mg/L	<0.0050	0.010	01/23/18 16:29	
Carbon tetrachloride	mg/L	<0.0050	0.010	01/23/18 16:29	
Chlorobenzene	mg/L	<0.0050	0.010	01/23/18 16:29	
Chloroform	mg/L	<0.025	0.050	01/23/18 16:29	
Tetrachloroethene	mg/L	<0.0050	0.010	01/23/18 16:29	
Trichloroethene	mg/L	<0.0033	0.010	01/23/18 16:29	
Vinyl chloride	mg/L	<0.0018	0.010	01/23/18 16:29	
4-Bromofluorobenzene (S)	%	80	61-130	01/23/18 16:29	
Dibromofluoromethane (S)	%	108	67-130	01/23/18 16:29	
Toluene-d8 (S)	%	95	70-130	01/23/18 16:29	

LABORATORY CONTROL SAMPLE: 1641044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	mg/L	.02	0.018	90	75-130	
1,2-Dichloroethane	mg/L	.02	0.018	90	70-131	
Benzene	mg/L	.02	0.017	84	73-145	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

LABORATORY CONTROL SAMPLE: 1641044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	mg/L	.02	0.020	99	70-133	
Chlorobenzene	mg/L	.02	0.021	103	70-130	
Chloroform	mg/L	.02	0.019	97	80-121	
Tetrachloroethene	mg/L	.02	0.021	103	70-130	
Trichloroethene	mg/L	.02	0.019	96	70-130	
Vinyl chloride	mg/L	.02	0.016	82	57-136	
4-Bromofluorobenzene (S)	%			96	61-130	
Dibromofluoromethane (S)	%			99	67-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1641198 1641199

Parameter	Units	40163585036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	mg/L	<0.0041	.5	.5	0.47	0.53	94	105	75-136	11	20	
1,2-Dichloroethane	mg/L	<0.0017	.5	.5	0.43	0.45	85	90	70-131	6	20	
2-Butanone (MEK)	mg/L	<0.030			<0.030	<0.030					20	
Benzene	mg/L	<0.0050	.5	.5	0.44	0.47	87	94	73-145	8	20	
Carbon tetrachloride	mg/L	<0.0050	.5	.5	0.55	0.58	110	117	70-134	6	20	
Chlorobenzene	mg/L	<0.0050	.5	.5	0.53	0.57	105	114	70-130	8	20	
Chloroform	mg/L	<0.025	.5	.5	0.50	0.55	101	109	80-121	8	20	
Tetrachloroethene	mg/L	<0.0050	.5	.5	0.54	0.56	107	111	70-130	4	20	
Trichloroethene	mg/L	<0.0033	.5	.5	0.53	0.54	106	107	70-130	2	20	
Vinyl chloride	mg/L	<0.0018	.5	.5	0.38	0.45	77	89	56-143	15	20	
4-Bromofluorobenzene (S)	%						93	98	61-130			
Dibromofluoromethane (S)	%						99	106	67-130			
Toluene-d8 (S)	%						90	97	70-130			

MATRIX SPIKE SAMPLE: 1641200

Parameter	Units	40163634001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	mg/L	<4.1 ug/L	.5	0.50	99	75-136	
1,2-Dichloroethane	mg/L	<1.7 ug/L	.5	0.43	85	70-131	
2-Butanone (MEK)	mg/L	<29.8 ug/L		<0.030			
Benzene	mg/L	<5.0 ug/L	.5	0.44	89	73-145	
Carbon tetrachloride	mg/L	<5.0 ug/L	.5	0.54	108	70-134	
Chlorobenzene	mg/L	<5.0 ug/L	.5	0.56	111	70-130	
Chloroform	mg/L	<25.0 ug/L	.5	0.50	101	80-121	
Tetrachloroethene	mg/L	<5.0 ug/L	.5	0.56	112	70-130	
Trichloroethene	mg/L	<3.3 ug/L	.5	0.54	108	70-130	
Vinyl chloride	mg/L	<1.8 ug/L	.5	0.40	80	56-143	
4-Bromofluorobenzene (S)	%				100	61-130	
Dibromofluoromethane (S)	%				98	67-130	
Toluene-d8 (S)	%				98	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

MATRIX SPIKE SAMPLE: 1641201

Parameter	Units	40163638001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	mg/L	<0.0041	.5	0.51	103	75-136	
1,2-Dichloroethane	mg/L	<0.0017	.5	0.45	90	70-131	
2-Butanone (MEK)	mg/L	<0.030		0.050J			
Benzene	mg/L	<0.0050	.5	0.46	93	73-145	
Carbon tetrachloride	mg/L	<0.0050	.5	0.56	111	70-134	
Chlorobenzene	mg/L	<0.0050	.5	0.54	108	70-130	
Chloroform	mg/L	<0.025	.5	0.53	106	80-121	
Tetrachloroethene	mg/L	<0.0050	.5	0.53	106	70-130	
Trichloroethene	mg/L	<0.0033	.5	0.53	105	70-130	
Vinyl chloride	mg/L	<0.0018	.5	0.43	87	56-143	
4-Bromofluorobenzene (S)	%				96	61-130	
Dibromofluoromethane (S)	%				102	67-130	
Toluene-d8 (S)	%				93	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

QC Batch: 279522 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40163585012, 40163585013

SAMPLE DUPLICATE: 1640906

Parameter	Units	40163585012 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	1.1	1.1	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

QC Batch: 279529 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40163585001, 40163585002, 40163585003, 40163585004, 40163585005, 40163585006, 40163585007, 40163585008, 40163585009, 40163585010, 40163585011, 40163585014, 40163585015, 40163585016, 40163585017, 40163585018, 40163585019, 40163585020, 40163585021, 40163585022

SAMPLE DUPLICATE: 1640915

Parameter	Units	40163585010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.3	14.3	0	10	

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QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

QC Batch: 279532 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40163585023, 40163585024, 40163585025, 40163585026

SAMPLE DUPLICATE: 1640924

Parameter	Units	40163585024 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.0	13.4	4	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

QC Batch: 279768 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40163585027, 40163585028, 40163585029, 40163585030, 40163585031, 40163585032

SAMPLE DUPLICATE: 1641941

Parameter	Units	40163793002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.8	6.8	0	10	

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QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

QC Batch: 279880 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40163585033, 40163585034, 40163585035, 40163585036, 40163585037, 40163585038, 40163585039, 40163585040, 40163585041, 40163585042, 40163585043, 40163585044, 40163585045, 40163585046, 40163585047, 40163585048, 40163585049, 40163585050, 40163585051, 40163585052

SAMPLE DUPLICATE: 1642377

Parameter	Units	40163585034 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.6	13.4	1	10	

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QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

QC Batch: 279881 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40163585053, 40163585054, 40163585055, 40163585056, 40163585057, 40163585058, 40163585059, 40163585060, 40163585061, 40163585062, 40163585063, 40163585064, 40163585065, 40163585066, 40163585067, 40163585068, 40163585069, 40163585070, 40163585071, 40163585072

SAMPLE DUPLICATE: 1642378

Parameter	Units	40163585054 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.7	15.0	2	10	

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QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

QC Batch: 279884 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40163585073, 40163585074, 40163585075, 40163585076

SAMPLE DUPLICATE: 1642379

Parameter	Units	40163875001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.7	8.8	0	10	

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QUALIFIERS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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 at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

1q	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from re-analysis of 40163585-004, -005, -012 and -013 that demonstrated similar interference).
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
S1	Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
W	Non-detect results are reported on a wet weight basis.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40163585001	**A 0-0.5'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585002	**A 2-3'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585003	**A 15'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585004	**B 0-0.5'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585005	**B 2-3'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585006	**B 15'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585007	**C 0-0.5'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585008	**C 2-3'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585009	**C 8-9'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585010	**C 15'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585011	**C 20'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585012	**E 0-0.5'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585013	**F 2-3'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585014	**F 8-9'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585015	**F 15'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585016	**F 16'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585017	**H 2-3'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585018	**H 8-9'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585019	**H 15'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585020	**I 2-3'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585021	**I 7'**	EPA 5035/5030B	279378	EPA 8260	279382
40163585022	**I 12'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585023	**I 15'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585024	**J 2-3'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585025	**J 7'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585026	**J 12'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585027	**J 15'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585028	**K 3'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585029	**K 6'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585030	**K 10'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585031	**K 15'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585032	**L 3'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585033	**L 6'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585034	**L 10'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585035	**L 15'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585036	**M 0-0.5'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585037	**M 2-3'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585038	**M 5-6'**	EPA 5035/5030B	279383	EPA 8260	279384
40163585039	**M 9-10'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585040	**M 15'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585041	**N 2-3'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585042	**N 5-6'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585043	**N 9-10'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585044	**N 15'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585045	**O 2'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585046	**O 6'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585047	**O 10'**	EPA 5035/5030B	279437	EPA 8260	279438

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40163585048	**P 2'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585049	**P 6'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585050	**P 10'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585051	**Q 2'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585052	**Q 6'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585053	**Q 10'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585054	**R 2'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585055	**R 6'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585056	**R 10'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585057	**S 2'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585058	**S 6'**	EPA 5035/5030B	279437	EPA 8260	279438
40163585059	**S 10'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585060	**T 2-3'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585061	**T 5-6'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585062	**T 9-10'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585063	**T 15'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585064	**U 2-3'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585065	**U 5-6'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585066	**U 9-10'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585067	**U 15'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585068	**V 2'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585069	**V 6'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585070	**V 10'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585071	**W 2-3'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585072	**W 7-8'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585073	**W 12'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585074	**X 2-3'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585075	**X 7-8'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585076	**X 9'**	EPA 5035/5030B	279439	EPA 8260	279440
40163585077	**METH BLANK**	EPA 5035/5030B	279439	EPA 8260	279440
40163585001	**A 0-0.5'**	EPA 8260	279431		
40163585002	**A 2-3'**	EPA 8260	279431		
40163585005	**B 2-3'**	EPA 8260	279431		
40163585007	**C 0-0.5'**	EPA 8260	279431		
40163585009	**C 8-9'**	EPA 8260	279431		
40163585012	**E 0-0.5'**	EPA 8260	279431		
40163585018	**H 8-9'**	EPA 8260	279431		
40163585025	**J 7'**	EPA 8260	279567		
40163585036	**M 0-0.5'**	EPA 8260	279567		
40163585038	**M 5-6'**	EPA 8260	279567		
40163585001	**A 0-0.5'**	ASTM D2974-87	279529		
40163585002	**A 2-3'**	ASTM D2974-87	279529		
40163585003	**A 15'**	ASTM D2974-87	279529		
40163585004	**B 0-0.5'**	ASTM D2974-87	279529		
40163585005	**B 2-3'**	ASTM D2974-87	279529		
40163585006	**B 15'**	ASTM D2974-87	279529		
40163585007	**C 0-0.5'**	ASTM D2974-87	279529		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40163585008	**C 2-3'**	ASTM D2974-87	279529		
40163585009	**C 8-9'**	ASTM D2974-87	279529		
40163585010	**C 15'**	ASTM D2974-87	279529		
40163585011	**C 20'**	ASTM D2974-87	279529		
40163585012	**E 0-0.5'**	ASTM D2974-87	279522		
40163585013	**F 2-3'**	ASTM D2974-87	279522		
40163585014	**F 8-9'**	ASTM D2974-87	279529		
40163585015	**F 15'**	ASTM D2974-87	279529		
40163585016	**F 16'**	ASTM D2974-87	279529		
40163585017	**H 2-3'**	ASTM D2974-87	279529		
40163585018	**H 8-9'**	ASTM D2974-87	279529		
40163585019	**H 15'**	ASTM D2974-87	279529		
40163585020	**I 2-3'**	ASTM D2974-87	279529		
40163585021	**I 7'**	ASTM D2974-87	279529		
40163585022	**I 12'**	ASTM D2974-87	279529		
40163585023	**I 15'**	ASTM D2974-87	279532		
40163585024	**J 2-3'**	ASTM D2974-87	279532		
40163585025	**J 7'**	ASTM D2974-87	279532		
40163585026	**J 12'**	ASTM D2974-87	279532		
40163585027	**J 15'**	ASTM D2974-87	279768		
40163585028	**K 3'**	ASTM D2974-87	279768		
40163585029	**K 6'**	ASTM D2974-87	279768		
40163585030	**K 10'**	ASTM D2974-87	279768		
40163585031	**K 15'**	ASTM D2974-87	279768		
40163585032	**L 3'**	ASTM D2974-87	279768		
40163585033	**L 6'**	ASTM D2974-87	279880		
40163585034	**L 10'**	ASTM D2974-87	279880		
40163585035	**L 15'**	ASTM D2974-87	279880		
40163585036	**M 0-0.5'**	ASTM D2974-87	279880		
40163585037	**M 2-3'**	ASTM D2974-87	279880		
40163585038	**M 5-6'**	ASTM D2974-87	279880		
40163585039	**M 9-10'**	ASTM D2974-87	279880		
40163585040	**M 15'**	ASTM D2974-87	279880		
40163585041	**N 2-3'**	ASTM D2974-87	279880		
40163585042	**N 5-6'**	ASTM D2974-87	279880		
40163585043	**N 9-10'**	ASTM D2974-87	279880		
40163585044	**N 15'**	ASTM D2974-87	279880		
40163585045	**O 2'**	ASTM D2974-87	279880		
40163585046	**O 6'**	ASTM D2974-87	279880		
40163585047	**O 10'**	ASTM D2974-87	279880		
40163585048	**P 2'**	ASTM D2974-87	279880		
40163585049	**P 6'**	ASTM D2974-87	279880		
40163585050	**P 10'**	ASTM D2974-87	279880		
40163585051	**Q 2'**	ASTM D2974-87	279880		
40163585052	**Q 6'**	ASTM D2974-87	279880		
40163585053	**Q 10'**	ASTM D2974-87	279881		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40163585054	**R 2'**	ASTM D2974-87	279881		
40163585055	**R 6'**	ASTM D2974-87	279881		
40163585056	**R 10'**	ASTM D2974-87	279881		
40163585057	**S 2'**	ASTM D2974-87	279881		
40163585058	**S 6'**	ASTM D2974-87	279881		
40163585059	**S 10'**	ASTM D2974-87	279881		
40163585060	**T 2-3'**	ASTM D2974-87	279881		
40163585061	**T 5-6'**	ASTM D2974-87	279881		
40163585062	**T 9-10'**	ASTM D2974-87	279881		
40163585063	**T 15'**	ASTM D2974-87	279881		
40163585064	**U 2-3'**	ASTM D2974-87	279881		
40163585065	**U 5-6'**	ASTM D2974-87	279881		
40163585066	**U 9-10'**	ASTM D2974-87	279881		
40163585067	**U 15'**	ASTM D2974-87	279881		
40163585068	**V 2'**	ASTM D2974-87	279881		
40163585069	**V 6'**	ASTM D2974-87	279881		
40163585070	**V 10'**	ASTM D2974-87	279881		
40163585071	**W 2-3'**	ASTM D2974-87	279881		
40163585072	**W 7-8'**	ASTM D2974-87	279881		
40163585073	**W 12'**	ASTM D2974-87	279884		
40163585074	**X 2-3'**	ASTM D2974-87	279884		
40163585075	**X 7-8'**	ASTM D2974-87	279884		
40163585076	**X 9'**	ASTM D2974-87	279884		

Derf

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

40163585

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	Fehr Graham
Branch/Location:	Plymouth, WI
Project Contact:	Ken Ebbott
Phone:	(920) 892-2444
Project Number:	17-1124
Project Name:	Shorewood Cleaners
Project State:	WI
Sampled By (Print):	Dillon Plamann
Sampled By (Sign):	DM PL
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Ebbott
Mail To Company:	Fehr Graham
Mail To Address:	Kebbott@fehr-graham.com
Invoice To Contact:	AA
Invoice To Company:	AA
Invoice To Address:	AA
Invoice To Phone:	Added po DP. 1/08/18 CAK

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC	TCLP VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	A					
					F	A					
001	A 0-0.5'	1-16-18	940	S			X	X	1-4oz pA 1-4oz mlv F 1-4oz agA		
002	A 2-3'		950				X	X(1)			
003	A 15'		1005				X				
004	B 0-0.5		1015				X				
005	B 2-3'		1020				X	X			
006	B 15'		1040				X				
007	C 0-0.5'	1-15-18	1040				X	X			
008	C 2-3'		1050				X				
009	C 8-9'		1110				X	X			
010	C 15'		1135				X				
011	C 20'		1200				X				
012	E 0-0.5'	1-16-18	910				X	X			
013	F 2-3'	1-15-18	925				X(1)				

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
DM PL	1-17-18 700	Rachel Ms Pace	1/17/18 1125
Rachel Ms Pace	1/17/18 1300	DSemrau pace	1/17/18 1300

PACE Project No.
40163585

Receipt Temp = R01 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

40163585

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CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	Fehr Graham
Branch/Location:	
Project Contact:	
Phone:	
Project Number:	Same as Page 1
Project Name:	
Project State:	
Sampled By (Print):	
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	Same as Page 1
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC	TCLP VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	F		A			
014	F 8-9'	1-15-18	1005	S			X		1-4oz pA	1-40mlvF	
015	F 15'	↓	1020	↓			X				
016	F 16'	↓	1025				X				
017	H 2-3'	1-16-18	1225				X				
018	H 8-9'	↓	1230				X	X		1-4ozag A	
019	H 15'	↓	1235				X				
020	I 2-3'	1-15-18	1415				X				
021	I 7'	↓	1420				X				
022	I 12'		1425				X				
023	I 15'		1430				X				
024	J 2-3'		1350				X				
025	J 7'		1355				X	X			
026	J 12'	↓	1400	↓			X				

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	1-17-18 700	[signature] Pace	1/17/18 1125
[signature] Pace	1/17/18 1300	[signature] Pace	1/17/18 1300

PACE Project No.
40163585

Receipt Temp = 2.01 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

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

CHAIN OF CUSTODY

40163585

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

(Please Print Clearly)	
Company Name:	Fehr Graham
Branch/Location:	
Project Contact:	Same as Page 1
Phone:	
Project Number:	
Project Name:	
Project State:	
Sampled By (Print):	
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	Same as Page 1
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC	Analyses Requested: TCLP VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
027	J 15'	1-15-18	1105	S	N	F	X		1-4oz pA 1-40mlvF		
028	K 3'		1540				X				
029	K 6'		1545				X				
030	K 10'		1550				X				
031	K 15'		1555				X				
032	L 3'		1530				X				
033	L 6'		1535				X				
034	L 10'		1540				X				
035	L 15'		1545				X				
036	M 0-0.5'		1240				X	X		1-4ozag A	
037	M 2-3'		1256				X				
038	M 5-6'		1300				X	X			
039	M 9-10'		1310				X				

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

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	1-17-18 700	Rachel Lee Rae	1/17/18 1125
Rachel Lee Rae	1/17/18 1300	[signature]	1/17/18 1300

PACE Project No.: 40163585

Receipt Temp = 20.1 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

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

CHAIN OF CUSTODY

40163585

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

(Please Print Clearly)	
Company Name:	Fehr Graham
Branch/Location:	
Project Contact:	Same as Page 1
Phone:	
Project Number:	
Project Name:	
Project State:	
Sampled By (Print):	
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	Same as Page 1
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
040	M 15'	1-15-18	1320	S		N P	X	1-4ozpA	1-40mlvF	
041	N 2-3'		1355				X			
042	N 5-6'		1400				X			
043	N 9-10'		1410				X			
045 044	N 15'		1445				X			
046 045	O 2'		1050				X			
047 046	O 6'		1055				X			
048 047	O 10'		1100				X			
049 048	P 2'		1030				X			
050 049	P 6'		1035				X			
051 050	P 10'		1046				X			
051	Q 2'		1010				X			
052	Q 6'	↓	1015	↓			X			

PS 1/17/18

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
DHL	1-17-18 700	Rachel Lus Pace	1/17/18 1125
Rachel Lus Pace	1/17/18 1300	Evans pace	1/17/18 1300

PACE Project No.: 40163585

Receipt Temp = 2.01 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

40163585

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CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	Fehr Graham
Branch/Location:	
Project Contact:	Same as Page 1
Phone:	
Project Number:	
Project Name:	
Project State:	
Sampled By (Print):	
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	Same as Page 1
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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O = Oil	SW = Surface Water
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SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
053	Q 10'	1-15-18	1020	S	N	F	X	1-40zp 1-40mlV F		
054	R 2'		1210				X			
055	R 6'		1215				X			
056	R 10'		1220				X			
057	S 2'		1105				X			
058	S 6'		1110				X			
059	S 10'		1115				X			
060	T 2-3'		1220				X			
061	T 5-6'		1225				X			
062	T 9-10'		1230				X			
063	T 15'		1235				X			
064	U 2-3'		1310				X			
065	U 5-6'		1315				X			

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	1-17-18 700	Raenel Lewis Pace	1/17/18 1125
Raenel Lewis Pace	1/17/18 1300	[signature] Pace	1/17/18 1300

PACE Project No.: 40163585

Receipt Temp = R01 °C

Sample Receipt pH OK / Adjusted

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

Version 6.0 06/14/06

C019a(27Jun2006)

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

CHAIN OF CUSTODY

401163585

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

(Please Print Clearly)	
Company Name:	Fehr Graham
Branch/Location:	
Project Contact:	Same as Page 1
Phone:	
Project Number:	
Project Name:	
Project State:	
Sampled By (Print):	
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	Same as Page 1
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
066	U 9-10'	1-15-18	1326	S		X		1-4oz pA 1-40ml vF		
067	U 15'		1325			X				
068	V 2'		1300			X				
069	V 6'		1305			X				
070	V 10'		1310			X				
071	W 2-3'		1450			X				
072	W 7-8'		1455			X				
073	W 12'		1500			X				
075 074	X 2-3'	1-16-18	1145			X				
076 075	X 7-8'		1150			X				
077 076	X 9'		1155			X				
078 077	Meth Blank					X				

DB 1/17/18

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

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	1-17-18 700	Rachel Les Pace	1/17/18 1125
Rachel Les Pace	1/17/18 1300	[signature] pace	1/18/18 1300

PACE Project No.
401163585

Receipt Temp = R01 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical

Sample Condition Upon Receipt

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

Sample Condition Upon Receipt

Client Name: Few Grahm Project # 40163585

Additional Comments/Resolution: Client labeling issues

1-7, 12-19, 36, 45-59, 68-70, 75-76:
4oz poly does not contain date or time, ID is written on cap in marker

8-11, 20-26, 28-35, 37-44, 60-67, 71-74:
4oz poly does not contain date, ID and collect time are written on cap in marker

027: 4oz poly does not contain collect date, ID and collect time of "1405" written on cap in marker vial has collect time of "1405" on client label

DS 1/17/18

Project Manager Review: [signature] **Date:** 1/16/18

Sample Condition Upon Receipt

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

Pace Analytical™

Project # **WO# : 40163585**

40163585

Client Name: Fehr Graham

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

Tracking #: _____

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

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

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

Thermometer Used MA **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: Rest /Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 1/17/18
Initials: DS

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4. 1st page only DS 1/17/18
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☐Yes	☑No	☐N/A	8. 10 mg/mSD DS 1/17/18
Correct Containers Used:	☑Yes	☐No	☐N/A	9. client covered tare weighted: 016, 051-053, 059
-Pace Containers Used:	☑Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☑N/A	KS 1/17/18
Containers Intact: KS 1/17/18	☐Yes	☑No	☐N/A	10. 030 poly rec'd cracked KS 1/17/18
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☐Yes	☑No	☐N/A	12. See attached DS 1/17/18
-Includes date/time/ID/Analysis Matrix: S				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes	☐No	☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes	☑No		Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	14.
Trip Blank Present:	☑Yes	☐No	☐N/A	15.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): 1230 KS 1/17/18				

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 1/18/18

F-GB-C-031-Rev.04 (12Dec2016) SCUR.xls
Pace Analytical Services LLC. - Green Bay WI

APPENDIX C

Groundwater Chemistry Results

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

January 29, 2018

Ken Ebbott
Fehr Graham Engineering and Environmental
1237 Pilgrim Rd
Plymouth, WI 53073

RE: Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Dear Ken Ebbott:
Enclosed are the analytical results for sample(s) received by the laboratory on January 24, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Megan Hansen, Fehr Graham Engineering and Environmental

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

CERTIFICATIONS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40163882001	**MW-1**	Water	01/23/18 12:50	01/24/18 11:50
40163882002	**MW-2**	Water	01/23/18 12:40	01/24/18 11:50
40163882003	**MW-3**	Water	01/23/18 13:00	01/24/18 11:50
40163882004	**MW-4**	Water	01/23/18 13:30	01/24/18 11:50
40163882005	**MW-5**	Water	01/23/18 13:10	01/24/18 11:50
40163882006	**MW-6**	Water	01/23/18 13:40	01/24/18 11:50
40163882007	**MW-7**	Water	01/23/18 13:20	01/24/18 11:50
40163882008	**MW-8**	Water	01/23/18 12:30	01/24/18 11:50
40163882009	**MW-9**	Water	01/23/18 14:20	01/24/18 11:50
40163882010	**TB**	Water	01/23/18 00:00	01/24/18 11:50

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SAMPLE ANALYTE COUNT

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40163882001	**MW-1**	EPA 8260	LAP	64	PASI-G
40163882002	**MW-2**	EPA 8260	LAP	64	PASI-G
40163882003	**MW-3**	EPA 8260	LAP	64	PASI-G
40163882004	**MW-4**	EPA 8260	LAP	64	PASI-G
40163882005	**MW-5**	EPA 8260	LAP	64	PASI-G
40163882006	**MW-6**	EPA 8260	LAP	64	PASI-G
40163882007	**MW-7**	EPA 8260	LAP	64	PASI-G
40163882008	**MW-8**	EPA 8260	LAP	64	PASI-G
40163882009	**MW-9**	EPA 8260	LAP	64	PASI-G
40163882010	**TB**	EPA 8260	LAP	64	PASI-G

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SUMMARY OF DETECTION

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40163882003	**MW-3**					
EPA 8260	Tetrachloroethene	82.3	ug/L	1.0	01/25/18 16:35	
40163882004	**MW-4**					
EPA 8260	Methylene Chloride	0.30J	ug/L	1.0	01/25/18 16:57	
40163882005	**MW-5**					
EPA 8260	cis-1,2-Dichloroethene	73.8	ug/L	10.0	01/26/18 16:49	
EPA 8260	trans-1,2-Dichloroethene	4.1J	ug/L	10.0	01/26/18 16:49	
EPA 8260	Tetrachloroethene	1110	ug/L	10.0	01/26/18 16:49	
EPA 8260	Trichloroethene	51.9	ug/L	10.0	01/26/18 16:49	
40163882008	**MW-8**					
EPA 8260	Benzene	1.1	ug/L	1.0	01/25/18 18:27	
EPA 8260	Ethylbenzene	1.5	ug/L	1.0	01/25/18 18:27	
EPA 8260	Isopropylbenzene (Cumene)	0.36J	ug/L	1.0	01/25/18 18:27	
EPA 8260	n-Propylbenzene	0.51J	ug/L	1.0	01/25/18 18:27	
EPA 8260	1,2,4-Trimethylbenzene	0.94J	ug/L	1.0	01/25/18 18:27	
40163882009	**MW-9**					
EPA 8260	cis-1,2-Dichloroethene	41.3	ug/L	1.0	01/25/18 18:50	
EPA 8260	trans-1,2-Dichloroethene	6.3	ug/L	1.0	01/25/18 18:50	
EPA 8260	Tetrachloroethene	12.6	ug/L	1.0	01/25/18 18:50	
EPA 8260	Trichloroethene	2.6	ug/L	1.0	01/25/18 18:50	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-1 **Lab ID: 40163882001** Collected: 01/23/18 12:50 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 15:50	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 15:50	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/25/18 15:50	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 15:50	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:50	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		01/25/18 15:50	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/25/18 15:50	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 15:50	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/25/18 15:50	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:50	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/25/18 15:50	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/25/18 15:50	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/25/18 15:50	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:50	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/25/18 15:50	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/25/18 15:50	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/25/18 15:50	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/25/18 15:50	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		01/25/18 15:50	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		01/25/18 15:50	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 15:50	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 15:50	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		01/25/18 15:50	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		01/25/18 15:50	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:50	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/25/18 15:50	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:50	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-1 **Lab ID: 40163882001** Collected: 01/23/18 12:50 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/25/18 15:50	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 15:50	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 15:50	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 15:50	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		01/25/18 15:50	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:50	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:50	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		01/25/18 15:50	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	61-130		1		01/25/18 15:50	460-00-4	
Dibromofluoromethane (S)	108	%	67-130		1		01/25/18 15:50	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		01/25/18 15:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-2 **Lab ID: 40163882002** Collected: 01/23/18 12:40 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 16:12	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 16:12	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/25/18 16:12	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 16:12	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:12	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		01/25/18 16:12	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/25/18 16:12	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 16:12	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/25/18 16:12	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:12	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/25/18 16:12	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/25/18 16:12	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/25/18 16:12	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 16:12	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/25/18 16:12	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/25/18 16:12	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/25/18 16:12	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/25/18 16:12	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		01/25/18 16:12	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		01/25/18 16:12	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 16:12	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 16:12	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		01/25/18 16:12	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		01/25/18 16:12	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/25/18 16:12	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/25/18 16:12	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:12	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-2 **Lab ID: 40163882002** Collected: 01/23/18 12:40 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/25/18 16:12	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 16:12	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 16:12	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 16:12	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		01/25/18 16:12	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:12	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:12	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		01/25/18 16:12	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	80	%	61-130		1		01/25/18 16:12	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		1		01/25/18 16:12	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		01/25/18 16:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-3 **Lab ID: 40163882003** Collected: 01/23/18 13:00 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 16:35	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 16:35	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/25/18 16:35	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 16:35	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:35	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		01/25/18 16:35	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/25/18 16:35	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 16:35	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/25/18 16:35	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:35	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/25/18 16:35	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/25/18 16:35	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/25/18 16:35	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 16:35	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/25/18 16:35	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/25/18 16:35	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/25/18 16:35	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/25/18 16:35	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		01/25/18 16:35	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		01/25/18 16:35	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 16:35	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 16:35	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		01/25/18 16:35	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		01/25/18 16:35	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/25/18 16:35	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/25/18 16:35	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:35	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-3 **Lab ID: 40163882003** Collected: 01/23/18 13:00 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/25/18 16:35	79-34-5	
Tetrachloroethene	**82.3**	ug/L	1.0	0.50	1		01/25/18 16:35	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 16:35	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 16:35	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 16:35	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		01/25/18 16:35	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:35	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:35	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		01/25/18 16:35	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	80	%	61-130		1		01/25/18 16:35	460-00-4	
Dibromofluoromethane (S)	117	%	67-130		1		01/25/18 16:35	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		01/25/18 16:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-4 **Lab ID: 40163882004** Collected: 01/23/18 13:30 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 16:57	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 16:57	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/25/18 16:57	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 16:57	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:57	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		01/25/18 16:57	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/25/18 16:57	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 16:57	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/25/18 16:57	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:57	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/25/18 16:57	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/25/18 16:57	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/25/18 16:57	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 16:57	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/25/18 16:57	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/25/18 16:57	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/25/18 16:57	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/25/18 16:57	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		01/25/18 16:57	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		01/25/18 16:57	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 16:57	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 16:57	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		01/25/18 16:57	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	99-87-6	
Methylene Chloride	**0.30J**	ug/L	1.0	0.23	1		01/25/18 16:57	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/25/18 16:57	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/25/18 16:57	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:57	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-4 **Lab ID: 40163882004** Collected: 01/23/18 13:30 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/25/18 16:57	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 16:57	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 16:57	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 16:57	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		01/25/18 16:57	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:57	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 16:57	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		01/25/18 16:57	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 16:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	61-130		1		01/25/18 16:57	460-00-4	
Dibromofluoromethane (S)	115	%	67-130		1		01/25/18 16:57	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		01/25/18 16:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-5 **Lab ID: 40163882005** Collected: 01/23/18 13:10 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	71-43-2	
Bromobenzene	**<2.3**	ug/L	10.0	2.3	10		01/26/18 16:49	108-86-1	
Bromochloromethane	**<3.4**	ug/L	10.0	3.4	10		01/26/18 16:49	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	75-25-2	L1
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		01/26/18 16:49	74-83-9	
n-Butylbenzene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	104-51-8	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		01/26/18 16:49	135-98-8	
tert-Butylbenzene	**<1.8**	ug/L	10.0	1.8	10		01/26/18 16:49	98-06-6	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		01/26/18 16:49	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		01/26/18 16:49	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	74-87-3	
2-Chlorotoluene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	95-49-8	
4-Chlorotoluene	**<2.1**	ug/L	10.0	2.1	10		01/26/18 16:49	106-43-4	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		01/26/18 16:49	96-12-8	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	124-48-1	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		01/26/18 16:49	106-93-4	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		01/26/18 16:49	74-95-3	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	95-50-1	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		01/26/18 16:49	75-71-8	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		01/26/18 16:49	75-34-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		01/26/18 16:49	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		01/26/18 16:49	75-35-4	
cis-1,2-Dichloroethene	**73.8**	ug/L	10.0	2.6	10		01/26/18 16:49	156-59-2	
trans-1,2-Dichloroethene	**4.1J**	ug/L	10.0	2.6	10		01/26/18 16:49	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		01/26/18 16:49	78-87-5	
1,3-Dichloropropane	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	142-28-9	
2,2-Dichloropropane	**<4.8**	ug/L	10.0	4.8	10		01/26/18 16:49	594-20-7	
1,1-Dichloropropene	**<4.4**	ug/L	10.0	4.4	10		01/26/18 16:49	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		01/26/18 16:49	10061-02-6	
Diisopropyl ether	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	108-20-3	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		01/26/18 16:49	87-68-3	
Isopropylbenzene (Cumene)	**<1.4**	ug/L	10.0	1.4	10		01/26/18 16:49	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	99-87-6	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		01/26/18 16:49	75-09-2	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		01/26/18 16:49	1634-04-4	
Naphthalene	**<25.0**	ug/L	50.0	25.0	10		01/26/18 16:49	91-20-3	
n-Propylbenzene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	103-65-1	
Styrene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	10.0	1.8	10		01/26/18 16:49	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-5 **Lab ID: 40163882005** Collected: 01/23/18 13:10 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		01/26/18 16:49	79-34-5	
Tetrachloroethene	**1110**	ug/L	10.0	5.0	10		01/26/18 16:49	127-18-4	
Toluene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	108-88-3	
1,2,3-Trichlorobenzene	**<21.3**	ug/L	50.0	21.3	10		01/26/18 16:49	87-61-6	
1,2,4-Trichlorobenzene	**<22.1**	ug/L	50.0	22.1	10		01/26/18 16:49	120-82-1	
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	71-55-6	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		01/26/18 16:49	79-00-5	
Trichloroethene	**51.9**	ug/L	10.0	3.3	10		01/26/18 16:49	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		01/26/18 16:49	75-69-4	
1,2,3-Trichloropropane	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	96-18-4	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	95-63-6	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	108-67-8	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		01/26/18 16:49	75-01-4	
m&p-Xylene	**<10.0**	ug/L	20.0	10.0	10		01/26/18 16:49	179601-23-1	
o-Xylene	**<5.0**	ug/L	10.0	5.0	10		01/26/18 16:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	78	%	61-130		10		01/26/18 16:49	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		10		01/26/18 16:49	1868-53-7	
Toluene-d8 (S)	85	%	70-130		10		01/26/18 16:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-6 **Lab ID: 40163882006** Collected: 01/23/18 13:40 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		01/26/18 16:04	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		01/26/18 16:04	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	75-25-2	L1
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/26/18 16:04	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		01/26/18 16:04	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:04	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		01/26/18 16:04	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/26/18 16:04	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		01/26/18 16:04	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/26/18 16:04	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:04	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/26/18 16:04	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/26/18 16:04	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/26/18 16:04	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/26/18 16:04	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/26/18 16:04	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/26/18 16:04	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/26/18 16:04	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/26/18 16:04	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		01/26/18 16:04	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		01/26/18 16:04	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/26/18 16:04	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/26/18 16:04	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		01/26/18 16:04	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		01/26/18 16:04	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/26/18 16:04	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/26/18 16:04	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:04	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-6 **Lab ID: 40163882006** Collected: 01/23/18 13:40 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/26/18 16:04	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		01/26/18 16:04	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		01/26/18 16:04	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/26/18 16:04	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		01/26/18 16:04	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:04	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:04	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		01/26/18 16:04	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	61-130		1		01/26/18 16:04	460-00-4	
Dibromofluoromethane (S)	108	%	67-130		1		01/26/18 16:04	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		01/26/18 16:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-7 **Lab ID: 40163882007** Collected: 01/23/18 13:20 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		01/26/18 16:26	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		01/26/18 16:26	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	75-25-2	L1
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/26/18 16:26	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		01/26/18 16:26	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:26	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		01/26/18 16:26	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/26/18 16:26	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		01/26/18 16:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/26/18 16:26	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:26	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/26/18 16:26	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/26/18 16:26	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/26/18 16:26	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/26/18 16:26	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/26/18 16:26	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/26/18 16:26	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/26/18 16:26	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/26/18 16:26	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		01/26/18 16:26	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		01/26/18 16:26	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/26/18 16:26	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/26/18 16:26	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		01/26/18 16:26	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		01/26/18 16:26	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/26/18 16:26	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/26/18 16:26	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:26	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-7 **Lab ID: 40163882007** Collected: 01/23/18 13:20 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/26/18 16:26	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		01/26/18 16:26	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		01/26/18 16:26	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/26/18 16:26	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		01/26/18 16:26	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:26	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:26	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		01/26/18 16:26	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		01/26/18 16:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	61-130		1		01/26/18 16:26	460-00-4	
Dibromofluoromethane (S)	113	%	67-130		1		01/26/18 16:26	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		01/26/18 16:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-8 **Lab ID: 40163882008** Collected: 01/23/18 12:30 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1.1**	ug/L	1.0	0.50	1		01/25/18 18:27	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 18:27	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 18:27	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/25/18 18:27	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 18:27	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 18:27	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		01/25/18 18:27	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/25/18 18:27	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 18:27	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/25/18 18:27	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/25/18 18:27	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/25/18 18:27	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/25/18 18:27	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/25/18 18:27	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 18:27	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/25/18 18:27	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/25/18 18:27	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/25/18 18:27	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/25/18 18:27	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		01/25/18 18:27	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		01/25/18 18:27	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 18:27	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	108-20-3	
Ethylbenzene	**1.5**	ug/L	1.0	0.50	1		01/25/18 18:27	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 18:27	87-68-3	
Isopropylbenzene (Cumene)	**0.36J**	ug/L	1.0	0.14	1		01/25/18 18:27	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		01/25/18 18:27	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/25/18 18:27	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/25/18 18:27	91-20-3	
n-Propylbenzene	**0.51J**	ug/L	1.0	0.50	1		01/25/18 18:27	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 18:27	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-8 **Lab ID: 40163882008** Collected: 01/23/18 12:30 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/25/18 18:27	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 18:27	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 18:27	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 18:27	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		01/25/18 18:27	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 18:27	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	96-18-4	
1,2,4-Trimethylbenzene	**0.94J**	ug/L	1.0	0.50	1		01/25/18 18:27	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 18:27	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		01/25/18 18:27	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	61-130		1		01/25/18 18:27	460-00-4	
Dibromofluoromethane (S)	118	%	67-130		1		01/25/18 18:27	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		01/25/18 18:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-9 **Lab ID: 40163882009** Collected: 01/23/18 14:20 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 18:50	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 18:50	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/25/18 18:50	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 18:50	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 18:50	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		01/25/18 18:50	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/25/18 18:50	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 18:50	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/25/18 18:50	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/25/18 18:50	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/25/18 18:50	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/25/18 18:50	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/25/18 18:50	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 18:50	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/25/18 18:50	75-35-4	
cis-1,2-Dichloroethene	**41.3**	ug/L	1.0	0.26	1		01/25/18 18:50	156-59-2	
trans-1,2-Dichloroethene	**6.3**	ug/L	1.0	0.26	1		01/25/18 18:50	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/25/18 18:50	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		01/25/18 18:50	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		01/25/18 18:50	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 18:50	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 18:50	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		01/25/18 18:50	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		01/25/18 18:50	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/25/18 18:50	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/25/18 18:50	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 18:50	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: MW-9 **Lab ID: 40163882009** Collected: 01/23/18 14:20 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/25/18 18:50	79-34-5	
Tetrachloroethene	**12.6**	ug/L	1.0	0.50	1		01/25/18 18:50	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 18:50	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 18:50	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 18:50	79-00-5	
Trichloroethene	**2.6**	ug/L	1.0	0.33	1		01/25/18 18:50	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 18:50	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 18:50	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		01/25/18 18:50	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 18:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	78	%	61-130		1		01/25/18 18:50	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		1		01/25/18 18:50	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		01/25/18 18:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: TB **Lab ID: 40163882010** Collected: 01/23/18 00:00 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 15:27	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 15:27	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/25/18 15:27	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 15:27	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:27	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		01/25/18 15:27	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/25/18 15:27	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 15:27	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/25/18 15:27	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:27	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/25/18 15:27	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/25/18 15:27	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/25/18 15:27	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:27	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/25/18 15:27	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/25/18 15:27	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/25/18 15:27	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/25/18 15:27	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		01/25/18 15:27	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		01/25/18 15:27	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/25/18 15:27	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 15:27	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		01/25/18 15:27	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		01/25/18 15:27	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:27	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/25/18 15:27	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:27	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Sample: TB **Lab ID: 40163882010** Collected: 01/23/18 00:00 Received: 01/24/18 11:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/25/18 15:27	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		01/25/18 15:27	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		01/25/18 15:27	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 15:27	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		01/25/18 15:27	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:27	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:27	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		01/25/18 15:27	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		01/25/18 15:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		1		01/25/18 15:27	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		1		01/25/18 15:27	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		01/25/18 15:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

QC Batch: 279773 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40163882001, 40163882002, 40163882003, 40163882004, 40163882008, 40163882009, 40163882010

METHOD BLANK: 1641954 Matrix: Water
Associated Lab Samples: 40163882001, 40163882002, 40163882003, 40163882004, 40163882008, 40163882009, 40163882010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	01/25/18 09:50	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	01/25/18 09:50	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	01/25/18 09:50	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	01/25/18 09:50	
1,1-Dichloroethane	ug/L	<0.24	1.0	01/25/18 09:50	
1,1-Dichloroethene	ug/L	<0.41	1.0	01/25/18 09:50	
1,1-Dichloropropene	ug/L	<0.44	1.0	01/25/18 09:50	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	01/25/18 09:50	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	01/25/18 09:50	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	01/25/18 09:50	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	01/25/18 09:50	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	01/25/18 09:50	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	01/25/18 09:50	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	01/25/18 09:50	
1,2-Dichloroethane	ug/L	<0.17	1.0	01/25/18 09:50	
1,2-Dichloropropane	ug/L	<0.23	1.0	01/25/18 09:50	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	01/25/18 09:50	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	01/25/18 09:50	
1,3-Dichloropropane	ug/L	<0.50	1.0	01/25/18 09:50	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	01/25/18 09:50	
2,2-Dichloropropane	ug/L	<0.48	1.0	01/25/18 09:50	
2-Chlorotoluene	ug/L	<0.50	1.0	01/25/18 09:50	
4-Chlorotoluene	ug/L	<0.21	1.0	01/25/18 09:50	
Benzene	ug/L	<0.50	1.0	01/25/18 09:50	
Bromobenzene	ug/L	<0.23	1.0	01/25/18 09:50	
Bromochloromethane	ug/L	<0.34	1.0	01/25/18 09:50	
Bromodichloromethane	ug/L	<0.50	1.0	01/25/18 09:50	
Bromoform	ug/L	<0.50	1.0	01/25/18 09:50	
Bromomethane	ug/L	<2.4	5.0	01/25/18 09:50	
Carbon tetrachloride	ug/L	<0.50	1.0	01/25/18 09:50	
Chlorobenzene	ug/L	<0.50	1.0	01/25/18 09:50	
Chloroethane	ug/L	<0.37	1.0	01/25/18 09:50	
Chloroform	ug/L	<2.5	5.0	01/25/18 09:50	
Chloromethane	ug/L	<0.50	1.0	01/25/18 09:50	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	01/25/18 09:50	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	01/25/18 09:50	
Dibromochloromethane	ug/L	<0.50	1.0	01/25/18 09:50	
Dibromomethane	ug/L	<0.43	1.0	01/25/18 09:50	
Dichlorodifluoromethane	ug/L	<0.22	1.0	01/25/18 09:50	
Diisopropyl ether	ug/L	<0.50	1.0	01/25/18 09:50	
Ethylbenzene	ug/L	<0.50	1.0	01/25/18 09:50	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

METHOD BLANK: 1641954 Matrix: Water
Associated Lab Samples: 40163882001, 40163882002, 40163882003, 40163882004, 40163882008, 40163882009, 40163882010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	01/25/18 09:50	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	01/25/18 09:50	
m&p-Xylene	ug/L	<1.0	2.0	01/25/18 09:50	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	01/25/18 09:50	
Methylene Chloride	ug/L	<0.23	1.0	01/25/18 09:50	
n-Butylbenzene	ug/L	<0.50	1.0	01/25/18 09:50	
n-Propylbenzene	ug/L	<0.50	1.0	01/25/18 09:50	
Naphthalene	ug/L	<2.5	5.0	01/25/18 09:50	
o-Xylene	ug/L	<0.50	1.0	01/25/18 09:50	
p-Isopropyltoluene	ug/L	<0.50	1.0	01/25/18 09:50	
sec-Butylbenzene	ug/L	<2.2	5.0	01/25/18 09:50	
Styrene	ug/L	<0.50	1.0	01/25/18 09:50	
tert-Butylbenzene	ug/L	<0.18	1.0	01/25/18 09:50	
Tetrachloroethene	ug/L	<0.50	1.0	01/25/18 09:50	
Toluene	ug/L	<0.50	1.0	01/25/18 09:50	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	01/25/18 09:50	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	01/25/18 09:50	
Trichloroethene	ug/L	<0.33	1.0	01/25/18 09:50	
Trichlorofluoromethane	ug/L	<0.18	1.0	01/25/18 09:50	
Vinyl chloride	ug/L	<0.18	1.0	01/25/18 09:50	
4-Bromofluorobenzene (S)	%	84	61-130	01/25/18 09:50	
Dibromofluoromethane (S)	%	103	67-130	01/25/18 09:50	
Toluene-d8 (S)	%	93	70-130	01/25/18 09:50	

LABORATORY CONTROL SAMPLE: 1641955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.3	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	42.8	86	70-130	
1,1,2-Trichloroethane	ug/L	50	48.4	97	70-130	
1,1-Dichloroethane	ug/L	50	44.9	90	71-132	
1,1-Dichloroethene	ug/L	50	47.7	95	75-130	
1,2,4-Trichlorobenzene	ug/L	50	44.0	88	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	36.1	72	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	47.8	96	70-130	
1,2-Dichlorobenzene	ug/L	50	48.1	96	70-130	
1,2-Dichloroethane	ug/L	50	44.2	88	70-131	
1,2-Dichloropropane	ug/L	50	46.6	93	80-120	
1,3-Dichlorobenzene	ug/L	50	47.4	95	70-130	
1,4-Dichlorobenzene	ug/L	50	50.9	102	70-130	
Benzene	ug/L	50	44.2	88	73-145	
Bromodichloromethane	ug/L	50	51.9	104	70-130	
Bromoform	ug/L	50	62.8	126	67-130	
Bromomethane	ug/L	50	38.5	77	26-128	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

LABORATORY CONTROL SAMPLE: 1641955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	59.3	119	70-133	
Chlorobenzene	ug/L	50	55.4	111	70-130	
Chloroethane	ug/L	50	40.3	81	58-120	
Chloroform	ug/L	50	54.6	109	80-121	
Chloromethane	ug/L	50	29.9	60	40-127	
cis-1,2-Dichloroethene	ug/L	50	45.1	90	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.0	90	70-130	
Dibromochloromethane	ug/L	50	60.1	120	70-130	
Dichlorodifluoromethane	ug/L	50	31.3	63	20-135	
Ethylbenzene	ug/L	50	51.0	102	87-129	
Isopropylbenzene (Cumene)	ug/L	50	55.7	111	70-130	
m&p-Xylene	ug/L	100	108	108	70-130	
Methyl-tert-butyl ether	ug/L	50	42.1	84	66-143	
Methylene Chloride	ug/L	50	43.2	86	70-130	
o-Xylene	ug/L	50	55.3	111	70-130	
Styrene	ug/L	50	55.0	110	70-130	
Tetrachloroethene	ug/L	50	55.5	111	70-130	
Toluene	ug/L	50	54.5	109	82-130	
trans-1,2-Dichloroethene	ug/L	50	47.1	94	75-132	
trans-1,3-Dichloropropene	ug/L	50	43.9	88	70-130	
Trichloroethene	ug/L	50	52.6	105	70-130	
Trichlorofluoromethane	ug/L	50	56.7	113	76-133	
Vinyl chloride	ug/L	50	38.3	77	57-136	
4-Bromofluorobenzene (S)	%			97	61-130	
Dibromofluoromethane (S)	%			100	67-130	
Toluene-d8 (S)	%			90	70-130	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

QC Batch: 279886 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40163882005, 40163882006, 40163882007

METHOD BLANK: 1642382 Matrix: Water
Associated Lab Samples: 40163882005, 40163882006, 40163882007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	01/26/18 09:26	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	01/26/18 09:26	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	01/26/18 09:26	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	01/26/18 09:26	
1,1-Dichloroethane	ug/L	<0.24	1.0	01/26/18 09:26	
1,1-Dichloroethene	ug/L	<0.41	1.0	01/26/18 09:26	
1,1-Dichloropropene	ug/L	<0.44	1.0	01/26/18 09:26	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	01/26/18 09:26	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	01/26/18 09:26	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	01/26/18 09:26	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	01/26/18 09:26	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	01/26/18 09:26	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	01/26/18 09:26	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	01/26/18 09:26	
1,2-Dichloroethane	ug/L	<0.17	1.0	01/26/18 09:26	
1,2-Dichloropropane	ug/L	<0.23	1.0	01/26/18 09:26	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	01/26/18 09:26	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	01/26/18 09:26	
1,3-Dichloropropane	ug/L	<0.50	1.0	01/26/18 09:26	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	01/26/18 09:26	
2,2-Dichloropropane	ug/L	<0.48	1.0	01/26/18 09:26	
2-Chlorotoluene	ug/L	<0.50	1.0	01/26/18 09:26	
4-Chlorotoluene	ug/L	<0.21	1.0	01/26/18 09:26	
Benzene	ug/L	<0.50	1.0	01/26/18 09:26	
Bromobenzene	ug/L	<0.23	1.0	01/26/18 09:26	
Bromochloromethane	ug/L	<0.34	1.0	01/26/18 09:26	
Bromodichloromethane	ug/L	<0.50	1.0	01/26/18 09:26	
Bromoform	ug/L	<0.50	1.0	01/26/18 09:26	
Bromomethane	ug/L	<2.4	5.0	01/26/18 09:26	
Carbon tetrachloride	ug/L	<0.50	1.0	01/26/18 09:26	
Chlorobenzene	ug/L	<0.50	1.0	01/26/18 09:26	
Chloroethane	ug/L	<0.37	1.0	01/26/18 09:26	
Chloroform	ug/L	<2.5	5.0	01/26/18 09:26	
Chloromethane	ug/L	<0.50	1.0	01/26/18 09:26	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	01/26/18 09:26	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	01/26/18 09:26	
Dibromochloromethane	ug/L	<0.50	1.0	01/26/18 09:26	
Dibromomethane	ug/L	<0.43	1.0	01/26/18 09:26	
Dichlorodifluoromethane	ug/L	<0.22	1.0	01/26/18 09:26	
Diisopropyl ether	ug/L	<0.50	1.0	01/26/18 09:26	
Ethylbenzene	ug/L	<0.50	1.0	01/26/18 09:26	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

METHOD BLANK: 1642382 Matrix: Water
Associated Lab Samples: 40163882005, 40163882006, 40163882007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	01/26/18 09:26	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	01/26/18 09:26	
m&p-Xylene	ug/L	<1.0	2.0	01/26/18 09:26	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	01/26/18 09:26	
Methylene Chloride	ug/L	<0.23	1.0	01/26/18 09:26	
n-Butylbenzene	ug/L	<0.50	1.0	01/26/18 09:26	
n-Propylbenzene	ug/L	<0.50	1.0	01/26/18 09:26	
Naphthalene	ug/L	<2.5	5.0	01/26/18 09:26	
o-Xylene	ug/L	<0.50	1.0	01/26/18 09:26	
p-Isopropyltoluene	ug/L	<0.50	1.0	01/26/18 09:26	
sec-Butylbenzene	ug/L	<2.2	5.0	01/26/18 09:26	
Styrene	ug/L	<0.50	1.0	01/26/18 09:26	
tert-Butylbenzene	ug/L	<0.18	1.0	01/26/18 09:26	
Tetrachloroethene	ug/L	<0.50	1.0	01/26/18 09:26	
Toluene	ug/L	<0.50	1.0	01/26/18 09:26	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	01/26/18 09:26	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	01/26/18 09:26	
Trichloroethene	ug/L	<0.33	1.0	01/26/18 09:26	
Trichlorofluoromethane	ug/L	<0.18	1.0	01/26/18 09:26	
Vinyl chloride	ug/L	<0.18	1.0	01/26/18 09:26	
4-Bromofluorobenzene (S)	%	88	61-130	01/26/18 09:26	
Dibromofluoromethane (S)	%	107	67-130	01/26/18 09:26	
Toluene-d8 (S)	%	91	70-130	01/26/18 09:26	

LABORATORY CONTROL SAMPLE: 1642383

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.8	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	45.2	90	70-130	
1,1,2-Trichloroethane	ug/L	50	52.5	105	70-130	
1,1-Dichloroethane	ug/L	50	44.3	89	71-132	
1,1-Dichloroethene	ug/L	50	49.6	99	75-130	
1,2,4-Trichlorobenzene	ug/L	50	46.1	92	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	41.4	83	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	52.5	105	70-130	
1,2-Dichlorobenzene	ug/L	50	51.4	103	70-130	
1,2-Dichloroethane	ug/L	50	49.0	98	70-131	
1,2-Dichloropropane	ug/L	50	43.5	87	80-120	
1,3-Dichlorobenzene	ug/L	50	49.4	99	70-130	
1,4-Dichlorobenzene	ug/L	50	52.7	105	70-130	
Benzene	ug/L	50	47.1	94	73-145	
Bromodichloromethane	ug/L	50	54.8	110	70-130	
Bromoform	ug/L	50	67.8	136	67-130	L1
Bromomethane	ug/L	50	40.6	81	26-128	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

LABORATORY CONTROL SAMPLE: 1642383

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	61.6	123	70-133	
Chlorobenzene	ug/L	50	57.1	114	70-130	
Chloroethane	ug/L	50	42.0	84	58-120	
Chloroform	ug/L	50	54.9	110	80-121	
Chloromethane	ug/L	50	28.6	57	40-127	
cis-1,2-Dichloroethene	ug/L	50	44.6	89	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.9	96	70-130	
Dibromochloromethane	ug/L	50	64.8	130	70-130	
Dichlorodifluoromethane	ug/L	50	30.5	61	20-135	
Ethylbenzene	ug/L	50	52.9	106	87-129	
Isopropylbenzene (Cumene)	ug/L	50	57.1	114	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methyl-tert-butyl ether	ug/L	50	44.9	90	66-143	
Methylene Chloride	ug/L	50	43.4	87	70-130	
o-Xylene	ug/L	50	54.1	108	70-130	
Styrene	ug/L	50	56.6	113	70-130	
Tetrachloroethene	ug/L	50	56.2	112	70-130	
Toluene	ug/L	50	51.9	104	82-130	
trans-1,2-Dichloroethene	ug/L	50	49.3	99	75-132	
trans-1,3-Dichloropropene	ug/L	50	47.9	96	70-130	
Trichloroethene	ug/L	50	57.3	115	70-130	
Trichlorofluoromethane	ug/L	50	59.2	118	76-133	
Vinyl chloride	ug/L	50	36.2	72	57-136	
4-Bromofluorobenzene (S)	%			99	61-130	
Dibromofluoromethane (S)	%			105	67-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1642497 1642498

Parameter	Units	40163909001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	53.5	49.6	107	99	70-134	8	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	44.3	43.5	89	87	70-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	53.0	49.1	106	98	70-130	8	20	
1,1-Dichloroethane	ug/L	0.77J	50	50	47.0	46.3	92	91	71-133	1	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	51.0	48.2	102	96	75-136	6	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	45.3	44.5	91	89	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	38.3	34.6	77	69	63-123	10	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	50.3	48.9	101	98	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.1	49.3	102	99	70-130	4	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	44.5	44.5	89	89	70-131	0	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	45.9	46.1	92	92	80-120	0	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	49.4	48.8	99	98	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	52.1	50.2	104	100	70-130	4	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1642497 1642498

Parameter	Units	40163909001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.50	50	50	45.5	44.4	91	89	73-145	2	20	
Bromodichloromethane	ug/L	<0.50	50	50	52.8	54.9	106	110	70-130	4	20	
Bromoform	ug/L	<0.50	50	50	66.6	65.5	133	131	67-130	2	20	M0
Bromomethane	ug/L	<2.4	50	50	46.5	41.7	93	83	26-129	11	20	
Carbon tetrachloride	ug/L	<0.50	50	50	59.7	57.4	119	115	70-134	4	20	
Chlorobenzene	ug/L	<0.50	50	50	55.7	56.8	111	114	70-130	2	20	
Chloroethane	ug/L	<0.37	50	50	43.9	39.3	88	79	58-120	11	20	
Chloroform	ug/L	<2.5	50	50	56.2	52.0	112	104	80-121	8	20	
Chloromethane	ug/L	<0.50	50	50	36.3	27.9	73	56	40-128	26	20	R1
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	45.2	45.6	90	91	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	45.2	47.1	90	94	70-130	4	20	
Dibromochloromethane	ug/L	<0.50	50	50	63.3	62.2	127	124	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	34.3	28.4	69	57	20-146	19	20	
Ethylbenzene	ug/L	<0.50	50	50	52.6	53.0	105	106	87-129	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	55.8	58.2	112	116	70-130	4	20	
m&p-Xylene	ug/L	<1.0	100	100	107	111	107	111	70-130	3	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	43.8	40.5	88	81	66-143	8	20	
Methylene Chloride	ug/L	<0.23	50	50	44.9	43.0	90	86	70-130	4	20	
o-Xylene	ug/L	<0.50	50	50	53.2	56.4	106	113	70-130	6	20	
Styrene	ug/L	<0.50	50	50	55.5	54.7	111	109	70-130	1	20	
Tetrachloroethene	ug/L	<0.50	50	50	57.2	56.4	114	113	70-130	1	20	
Toluene	ug/L	<0.50	50	50	52.0	51.8	104	104	82-131	1	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	49.8	47.2	100	94	75-135	5	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	46.3	47.3	93	95	70-130	2	20	
Trichloroethene	ug/L	<0.33	50	50	54.9	56.8	110	114	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	61.1	55.4	122	111	76-150	10	20	
Vinyl chloride	ug/L	<0.18	50	50	41.7	35.7	83	71	56-143	16	20	
4-Bromofluorobenzene (S)	%						96	100	61-130			
Dibromofluoromethane (S)	%						102	97	67-130			
Toluene-d8 (S)	%						93	90	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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 at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163882

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40163882001	**MW-1**	EPA 8260	279773		
40163882002	**MW-2**	EPA 8260	279773		
40163882003	**MW-3**	EPA 8260	279773		
40163882004	**MW-4**	EPA 8260	279773		
40163882005	**MW-5**	EPA 8260	279886		
40163882006	**MW-6**	EPA 8260	279886		
40163882007	**MW-7**	EPA 8260	279886		
40163882008	**MW-8**	EPA 8260	279773		
40163882009	**MW-9**	EPA 8260	279773		
40163882010	**TB**	EPA 8260	279773		

(Please Print Clearly)

Company Name:	Fehr Graham
Branch/Location:	Plymouth, WI
Project Contact:	Ken Ebbott
Phone:	(920)892-2444
Project Number:	17-1124
Project Name:	Shorewood Cleaners
Project State:	WI
Sampled By (Print):	Dillon Plamann
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

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

40163882

RW

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

Quote #:	
Mail To Contact:	Ken Ebbott
Mail To Company:	Fehr Graham
Mail To Address:	kebbott@fehr-graham.com
Invoice To Contact:	AA
Invoice To Company:	AA
Invoice To Address:	AA
Invoice To Phone:	

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

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

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

FILTERED? (YES/NO) — Y/N: N
PRESERVATION (CODE)* — Pick Letter: B
Analyses Requested: VOC

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-1	1-23-18	1250	GW	X		3-40ml VB	
002	MW-2	↓	1240	↓	X		↓	
003	MW-3	↓	1300	↓	X		↓	
004	MW-4	↓	1330	↓	X		↓	
005	MW-5	↓	1310	↓	X		↓	
006	MW-6	↓	1340	↓	X		↓	
007	MW-7	↓	1320	↓	X		↓	
008	MW-8	↓	1230	↓	X		↓	
009	MW-9	↓	1420	↓	X		↓	
010	TB				X		1-40ml VB	

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	730 1-24-18	Rachel UMS Pace	1/24/18 1000
Rachel UMS Pace	1/24/18 1150	Susan Kiefer Pace	1-24-18 1150

PACE Project No. 40163882

Receipt Temp = RO) °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical™

Client Name: Fehr Graham

Project #

WO# : 40163882

40163882

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☒ Pace Other: _____

Tracking #: _____

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

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

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

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

Cooler Temperature Uncorr: ROI /Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date: 1-24-18
Initials: SLW

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

			Comments:
Chain of Custody Present:	☑Yes	☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No ☐N/A	7.
Sufficient Volume:	☐Yes	☑No ☐N/A	8. No MS/MSD Volume. 1-24-18 SLW
Correct Containers Used:	☑Yes	☐No ☐N/A	9.
-Pace Containers Used:	☑Yes	☐No ☐N/A	
-Pace IR Containers Used:	☐Yes	☐No ☑N/A	
Containers Intact:	☑Yes	☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No ☑N/A	11.
Sample Labels match COC:	☑Yes	☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W			
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes	☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes	☐No ☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☑Yes	☐No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☑No ☐N/A	14.
Trip Blank Present:	☑Yes	☐No ☐N/A	15.
Trip Blank Custody Seals Present	☑Yes	☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 388			

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 1/24/18

APPENDIX D

WDNR Hazardous Waste Determination Request Form 4430-019

State of Wisconsin
Department of Natural Resources

Remediation Site Hazardous Waste Determination

Form 4430-019 (R 4/03)

Notice: This voluntary form is intended as an aid for use by Generators and Responsible Parties in determining whether *contaminated soil or groundwater and wastes* encountered or generated during the remediation of contaminated sites in Wisconsin are or would be listed or characteristic hazardous wastes subject to regulation under ch. 291, Wis. Stats. and chs. NR 600 to 690, Wis. Adm. Code. There are no penalties for failure to provide information requested. Personally identifiable information collected will be used for program management. Wisconsin's Open Records law requires the Department to provide this information upon request [ss. 19.31 - 19.69, Wis. Stats.].

Listing determinations are often particularly difficult in the remedial context because the listings are generally identified by the sources of the hazardous wastes rather than the concentrations of various hazardous constituents. Therefore, analytical testing alone, without information on a waste's source, will not generally produce information that will conclusively indicate whether a given waste is a listed hazardous waste. Generators and Responsible Parties should use available site information such as material safety data sheets (MSDS's), manifests, vouchers, bills of lading, sales and inventory records, accident reports, spill reports, inspection reports, and other available information. It may also be necessary to conduct interviews of current or former personnel who would have knowledge of the processes and hazardous materials used including waste handling or past spills in an effort to ascertain the sources of wastes or contaminants.

Where a person makes a good faith effort to determine if a material is a listed hazardous waste but cannot make such a determination because documentation regarding a source of contamination, contaminant, or waste is unavailable or inconclusive, EPA has stated that one may assume the source, contaminant or waste is not listed hazardous waste and, therefore, provided the material in question does not exhibit a characteristic of hazardous waste, RCRA requirements do not apply.

Generator Information

Generator's Name: 4300 Oakland, LLC, Attn Tom Schafer	Preparer's Name: Kendrick Ebbott
Address: 2551 North Wahl Avenue	Address: 909 N 8th Street, Suite 101
City, State and ZIP Code: Milwaukee, WI 53211	City, State and ZIP Code: Sheboygan, WI 53081
Telephone Number: 414 840-6667	Telephone Number: 920 453-0700

Site Information

Site Name: Former Shorewood Queensway Cleaners	Other name(s) site is known by: 4300 Oakland LLC
Address: 4300 Oakland Avenue	County: Milwaukee

Located in the City, Town or Village ZIP Code: Village of Shorewood, 53211

Hazardous Waste Determination Information Reviewed

Listed Hazardous Waste Determination

Manifests reviewed: ☐ Yes ☐ No ☐ None Found ☒ None Available	Vouchers reviewed: ☐ Yes ☐ No ☐ None Found ☒ None Available
Bills of lading reviewed: ☐ Yes ☐ No ☐ None Found ☒ None Available	Sales and inventory records reviewed: ☐ Yes ☐ No ☐ None Found ☒ None Available
Material safety data sheets: ☐ Yes ☐ No ☐ None Found ☒ None Available	Accident reports reviewed: ☐ Yes ☐ No ☐ None Found ☒ None Available
Spill reports reviewed: ☐ Yes ☐ No ☐ None Found ☒ None Available	Inspection reports reviewed: ☐ Yes ☐ No ☐ None Found ☒ None Available
DNR's case files reviewed: ☐ Yes ☐ No ☐ None Found ☒ None Available	Interviewed current and/or former employees who are likely to know about the use and/or disposal of the chemical or waste of concern (not just managers). ☒ Yes ☐ No ☐ None Found ☐ None Available

Hazardous Waste Determination Information Reviewed (continued)

Other information considered (provide description) X | Yes ☐ No ☐ None Found ☐ None Available

Site is a former drycleaning business in operation from the 1960's through 2017. Former owner / operator reports the use of tetrachloroethene (PCE) as the drycleaning solvent since the beginning of operations. Initial machines were wet transfer style, which resulted in releases of PCE to the indoor concrete floor. In the 1980's shifted to dry transfer machines, with overfill containment, so much improved frequency of incidental releases around the machine.

Soil containing PCE and associated degradation products will be excavated as part of a remedial action. The excavated soil is proposed to be directly hauled to the landfill if concentrations are below PCE levels of 40 mg/kg PCE, a threshold concentration that has been shown to pass the TCLP threshold criteria for characteristically hazardous material. Test results from the site investigation reveal no soil contains levels of trichloroethene or vinyl chloride above direct contact threshold values for an industrial site.

Soil containing levels above 40 mg/kg total PCE will be treated via soil mixing with oxidizing chemicals and retested until the soil meets the 40 mg/kg PCE criteria OR passes the TCLP test for VOC's (PCE <0.7 mg/l), at which point it will be landfilled in a Subtitle D facility nearby.

Characteristic Hazardous Waste Determination

Identified location(s)	Testing results
Borings and Depths A 0-0.5' Concrete A 2-3' B 2-3' C 0-0.5' Concrete C 8-9' E 0-0.5' Concrete H 8-9' J 7' M 0-0.5' Concrete M 5-6'	BORING DEPTH AND MATERIAL Total PCE (mg/kg); TCLP PCE (ug/l) Plan for Handling: LF=Landfill, Treat = Chemically Treat, retest, then landfill if meets criteria A 0-0.5' Concrete, 0.542 mg/kg; 13 ug/l LF A 2-3' Soil 45.8 mg/kg; 770 ug/l Treat, then LF B 2-3' Soil 69.9 mg/kg; 1,100 ug/l Treat, Then LF C 0-0.5' Concrete 0.517 mg/kg; 5.9 ug/l LF C 8-9' Soil 46.1 mg/kg; 140 ug/l could LF, but propose to Treat Soil above 40 mg/kg E 0-0.5' Concrete 2.12 mg/kg; 29 ug/l LF H 8-9' Soil 5.16 mg/kg; 39 ug/l LF J 7' Soil 27.3 mg/kg; 520 ug/l M 0-0.5' Concrete 0.402 mg/kg; <5.0 ug/l LF M 5-6' Soil 81.0 mg/kg; 850 ug/l Treat, Then LF

Certification

I certify that the information documented above in the "Information reviewed to make a hazardous waste determination" section was developed and used as part of a good faith effort to make a hazardous waste determination. Reasonable diligence was used in collecting the information, evaluating the information, and using the compiled information. I certify that this document is true and correct to the best of my knowledge, and that I have authority to make this certification.

Name and Title Kendrick Ebbott, P.G., Branch Manager

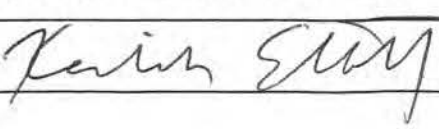
Signature  Date July 9, 2018

Table 2
Soil Analytical Results: Total and TCLP Values for VOCs
Shorewood Queensway Cleaners
4300 N. Oakland Ave., Shorewood, WI 53211
BRRTS# 02-41-552089

						PRE-EXCAVATION RESULTS FROM BORINGS									
Sample ID		Hazardous Characteristic TCLP Regulatory Level (ug/l)	Land Disposal Restriction Level = sum of PCE + TCE + VC (ug/kg)	Contained Out Values (Ind Direct Contact Levels) (ug/kg)	Non-Ind Direct Contact Level (ug/kg)	A		B	C		E	H	J	M	
Date						1/16/18		1/16/18	1/15/18		1/16/18	1/16/18	1/15/18	1/15/18	
Depth						0-0.5'	2-3'	2-3'	0-0.5'	8-9'	0-0.5'	8-9'	7'	0-0.5'	5-6'
Description						CONC.	CLAY	CLAY	CONC.	CLAY	CONC.	CLAY	CLAY	CONC.	CLAY
DEPTH to Seasonal Low Water Table (ft BGS)						7'	7'	7'	7'	7'	7'	7'	7'	7'	7'
Saturated (S) or Unsaturated (U)						U	U	U	U	S	U	S	S	U	U
PID Reading						--	27.2	19.1	--	2.4	--	0.0	2.2	--	20.3
Notes															
						Landfill	Treat	Treat	Landfill	Treat	Landfill	Landfill	Landfill	Landfill	Treat
TOTAL Tetrachloroethene (PCE)	ug/kg		**60,000**	153,000	**33,000**	542	**45,800**	**69,900**	517	**46,100**	2,120	5,160	27,300	402	**81,000**
TCLP Tetrachloroethene (PCE)	(ug/L)	**700**				13	**770**	**1,100**	5.9 J	140	29	39	520	<5.0	**850**
TOTAL Trichloroethene (TCE)	ug/kg			8810	1,300	<25.0	<200	<250	<25.0	<200	<25.0	129	<132	<25.0	<500
TCLP Trichloroethene (TCE)	(ug/L)	500				<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	3.6 J	<3.3	<3.3	<6.6
TOTAL Vinyl Chloride	ug/kg			2080	67	<25.0	<200	<250	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<500
TCLP Vinyl Chloride	(ug/L)	200				<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<3.5
TCLP Benzene	(ug/L)	500				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
TCLP Carbon Tetrachloride	(ug/L)	500				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
TCLP Chlorobenzene	(ug/L)	100,000				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
TCLP Chloroform	(ug/L)	6,000				<25	<25	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<50
TCLP 1,2-Dichloroethane	(ug/L)	500				<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<3.4
TCLP 1,1-Dichloroethene	(ug/L)	700				<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<8.2
TCLP 2-Butanone (MEK)	(ug/L)	200,000				<30	<30	<30	<30	<30	47 J	<30	<30	<30	<60

Exceedance Highlights:
BOLD Red font indicates individual or cumulative DC RCL
B1: Cumulative exceedance (HI > 1), eventhough no
Italic Red font indicates GW RCL Exceedance per DNR

Notes:
BOLD = Exceeds Regulatory Levels
NS = No standard established
-- = Not analyzed for parameter
NR = Not Reported
RCL = Residual Contaminant Level
DC = Direct Contact
Landfill = Can landfill directly upon excavation
Treat = Requires treatment and retesting prior to landfill disposal

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

January 26, 2018

Ken Ebbott
Fehr Graham Engineering and Environmental
1237 Pilgrim Rd
Plymouth, WI 53073

RE: Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Dear Ken Ebbott:
Enclosed are the analytical results for sample(s) received by the laboratory on January 17, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Megan Hansen, Fehr Graham Engineering and Environmental

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

CERTIFICATIONS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: A 0-0.5' **Lab ID: 40163585001** Collected: 01/16/18 09:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/19/18 06:30	01/22/18 16:06	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/19/18 06:30	01/22/18 16:06	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/19/18 06:30	01/22/18 16:06	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/19/18 06:30	01/22/18 16:06	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/19/18 06:30	01/22/18 16:06	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	100-42-5	W

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: A 0-0.5' **Lab ID: 40163585001** Collected: 01/16/18 09:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	79-34-5	W
Tetrachloroethene	**542**	ug/kg	60.4	25.2	1	01/19/18 06:30	01/22/18 16:06	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/19/18 06:30	01/22/18 16:06	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/19/18 06:30	01/22/18 16:06	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/19/18 06:30	01/22/18 16:06	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	99	%	68-130		1	01/19/18 06:30	01/22/18 16:06	1868-53-7	
Toluene-d8 (S)	127	%	68-149		1	01/19/18 06:30	01/22/18 16:06	2037-26-5	
4-Bromofluorobenzene (S)	125	%	58-141		1	01/19/18 06:30	01/22/18 16:06	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:06	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/19/18 12:06	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:06	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:06	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/19/18 12:06	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/19/18 12:06	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/19/18 12:06	75-35-4	
Tetrachloroethene	**0.013**	mg/L	0.010	0.0050	10		01/19/18 12:06	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/19/18 12:06	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/19/18 12:06	75-01-4	
Surrogates									
Toluene-d8 (S)	92	%	70-130		10		01/19/18 12:06	2037-26-5	
4-Bromofluorobenzene (S)	78	%	61-130		10		01/19/18 12:06	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		10		01/19/18 12:06	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**0.70**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: A 2-3' **Lab ID: 40163585002** Collected: 01/16/18 09:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	71-43-2	W
Bromobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	108-86-1	W
Bromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	74-97-5	W
Bromodichloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-27-4	W
Bromoform	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-25-2	W
Bromomethane	**<559**	ug/kg	2000	559	8	01/18/18 08:00	01/18/18 15:33	74-83-9	W
n-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	104-51-8	W
sec-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	135-98-8	W
tert-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	98-06-6	W
Carbon tetrachloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	56-23-5	W
Chlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	108-90-7	W
Chloroethane	**<536**	ug/kg	2000	536	8	01/18/18 08:00	01/18/18 15:33	75-00-3	W
Chloroform	**<372**	ug/kg	2000	372	8	01/18/18 08:00	01/18/18 15:33	67-66-3	W
Chloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	74-87-3	W
2-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	95-49-8	W
4-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	106-43-4	W
1,2-Dibromo-3-chloropropane	**<730**	ug/kg	2000	730	8	01/18/18 08:00	01/18/18 15:33	96-12-8	W
Dibromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	124-48-1	W
1,2-Dibromoethane (EDB)	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	106-93-4	W
Dibromomethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	74-95-3	W
1,2-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	95-50-1	W
1,3-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	541-73-1	W
1,4-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	106-46-7	W
Dichlorodifluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-71-8	W
1,1-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-34-3	W
1,2-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	107-06-2	W
1,1-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-35-4	W
cis-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	156-59-2	W
trans-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	156-60-5	W
1,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	78-87-5	W
1,3-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	142-28-9	W
2,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	594-20-7	W
1,1-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	563-58-6	W
cis-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	10061-01-5	W
trans-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	10061-02-6	W
Diisopropyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	108-20-3	W
Ethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	100-41-4	W
Hexachloro-1,3-butadiene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	87-68-3	W
Isopropylbenzene (Cumene)	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	98-82-8	W
p-Isopropyltoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	99-87-6	W
Methylene Chloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-09-2	W
Methyl-tert-butyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	1634-04-4	W
Naphthalene	**<320**	ug/kg	2000	320	8	01/18/18 08:00	01/18/18 15:33	91-20-3	W
n-Propylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	103-65-1	W
Styrene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: A 2-3' **Lab ID: 40163585002** Collected: 01/16/18 09:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	630-20-6	W
1,1,2,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	79-34-5	W
Tetrachloroethene	**45800**	ug/kg	555	231	8	01/18/18 08:00	01/18/18 15:33	127-18-4	
Toluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	108-88-3	W
1,2,3-Trichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	87-61-6	W
1,2,4-Trichlorobenzene	**<380**	ug/kg	2000	380	8	01/18/18 08:00	01/18/18 15:33	120-82-1	L2,W
1,1,1-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	71-55-6	W
1,1,2-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	79-00-5	W
Trichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	79-01-6	W
Trichlorofluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-69-4	W
1,2,3-Trichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	96-18-4	W
1,2,4-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	95-63-6	W
1,3,5-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	108-67-8	W
Vinyl chloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	75-01-4	W
m&p-Xylene	**<400**	ug/kg	960	400	8	01/18/18 08:00	01/18/18 15:33	179601-23-1	W
o-Xylene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 15:33	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	131	%	68-130		8	01/18/18 08:00	01/18/18 15:33	1868-53-7	1q
Toluene-d8 (S)	96	%	68-149		8	01/18/18 08:00	01/18/18 15:33	2037-26-5	
4-Bromofluorobenzene (S)	81	%	58-141		8	01/18/18 08:00	01/18/18 15:33	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/22/18 08:52	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/22/18 08:52	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/22/18 08:52	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/22/18 08:52	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/22/18 08:52	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/22/18 08:52	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/22/18 08:52	75-35-4	
Tetrachloroethene	**0.77**	mg/L	0.010	0.0050	10		01/22/18 08:52	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/22/18 08:52	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/22/18 08:52	75-01-4	
Surrogates									
Toluene-d8 (S)	87	%	70-130		10		01/22/18 08:52	2037-26-5	
4-Bromofluorobenzene (S)	80	%	61-130		10		01/22/18 08:52	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		10		01/22/18 08:52	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.5**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: A 15' **Lab ID: 40163585003** Collected: 01/16/18 10:05 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	71-43-2	W
Bromobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	108-86-1	W
Bromochloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	74-97-5	W
Bromodichloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-27-4	W
Bromoform	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-25-2	W
Bromomethane	**<1400**	ug/kg	5000	1400	20	01/18/18 08:00	01/18/18 15:56	74-83-9	W
n-Butylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	104-51-8	W
sec-Butylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	135-98-8	W
tert-Butylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	98-06-6	W
Carbon tetrachloride	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	56-23-5	W
Chlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	108-90-7	W
Chloroethane	**<1340**	ug/kg	5000	1340	20	01/18/18 08:00	01/18/18 15:56	75-00-3	W
Chloroform	**<929**	ug/kg	5000	929	20	01/18/18 08:00	01/18/18 15:56	67-66-3	W
Chloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	74-87-3	W
2-Chlorotoluene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	95-49-8	W
4-Chlorotoluene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	106-43-4	W
1,2-Dibromo-3-chloropropane	**<1820**	ug/kg	5000	1820	20	01/18/18 08:00	01/18/18 15:56	96-12-8	W
Dibromochloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	124-48-1	W
1,2-Dibromoethane (EDB)	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	106-93-4	W
Dibromomethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	74-95-3	W
1,2-Dichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	95-50-1	W
1,3-Dichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	541-73-1	W
1,4-Dichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	106-46-7	W
Dichlorodifluoromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-71-8	W
1,1-Dichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-34-3	W
1,2-Dichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	107-06-2	W
1,1-Dichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-35-4	W
cis-1,2-Dichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	156-59-2	W
trans-1,2-Dichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	156-60-5	W
1,2-Dichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	78-87-5	W
1,3-Dichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	142-28-9	W
2,2-Dichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	594-20-7	W
1,1-Dichloropropene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	563-58-6	W
cis-1,3-Dichloropropene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	10061-01-5	W
trans-1,3-Dichloropropene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	10061-02-6	W
Diisopropyl ether	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	108-20-3	W
Ethylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	100-41-4	W
Hexachloro-1,3-butadiene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	87-68-3	W
Isopropylbenzene (Cumene)	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	98-82-8	W
p-Isopropyltoluene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	99-87-6	W
Methylene Chloride	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-09-2	W
Methyl-tert-butyl ether	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	1634-04-4	W
Naphthalene	**<801**	ug/kg	5000	801	20	01/18/18 08:00	01/18/18 15:56	91-20-3	W
n-Propylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	103-65-1	W
Styrene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: A 15' **Lab ID: 40163585003** Collected: 01/16/18 10:05 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	630-20-6	W
1,1,2,2-Tetrachloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	79-34-5	W
Tetrachloroethene	**127000**	ug/kg	1460	608	20	01/18/18 08:00	01/18/18 15:56	127-18-4	
Toluene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	108-88-3	W
1,2,3-Trichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	87-61-6	W
1,2,4-Trichlorobenzene	**<951**	ug/kg	5000	951	20	01/18/18 08:00	01/18/18 15:56	120-82-1	L2,W
1,1,1-Trichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	71-55-6	W
1,1,2-Trichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	79-00-5	W
Trichloroethene	**845J**	ug/kg	1460	608	20	01/18/18 08:00	01/18/18 15:56	79-01-6	
Trichlorofluoromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-69-4	W
1,2,3-Trichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	96-18-4	W
1,2,4-Trimethylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	95-63-6	W
1,3,5-Trimethylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	108-67-8	W
Vinyl chloride	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	75-01-4	W
m&p-Xylene	**<1000**	ug/kg	2400	1000	20	01/18/18 08:00	01/18/18 15:56	179601-23-1	W
o-Xylene	**<500**	ug/kg	1200	500	20	01/18/18 08:00	01/18/18 15:56	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	68-130		20	01/18/18 08:00	01/18/18 15:56	1868-53-7	S4
Toluene-d8 (S)	0	%	68-149		20	01/18/18 08:00	01/18/18 15:56	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	58-141		20	01/18/18 08:00	01/18/18 15:56	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.8**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: B 0-0.5' **Lab ID: 40163585004** Collected: 01/16/18 10:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/19/18 10:24	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/19/18 10:24	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/19/18 10:24	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/19/18 10:24	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/19/18 10:24	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: B 0-0.5' **Lab ID: 40163585004** Collected: 01/16/18 10:15 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	79-34-5	W
Tetrachloroethene	**679**	ug/kg	63.1	26.3	1	01/18/18 08:00	01/19/18 10:24	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/19/18 10:24	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:00	01/19/18 10:24	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:24	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	139	%	68-130		1	01/18/18 08:00	01/19/18 10:24	1868-53-7	S1
Toluene-d8 (S)	139	%	68-149		1	01/18/18 08:00	01/19/18 10:24	2037-26-5	
4-Bromofluorobenzene (S)	121	%	58-141		1	01/18/18 08:00	01/19/18 10:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.0**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: B 2-3' **Lab ID: 40163585005** Collected: 01/16/18 10:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	71-43-2	W
Bromobenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	108-86-1	W
Bromochloromethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	74-97-5	W
Bromodichloromethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-27-4	W
Bromoform	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-25-2	W
Bromomethane	**<699**	ug/kg	2500	699	10	01/18/18 08:00	01/19/18 12:17	74-83-9	W
n-Butylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	104-51-8	W
sec-Butylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	135-98-8	W
tert-Butylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	98-06-6	W
Carbon tetrachloride	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	56-23-5	W
Chlorobenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	108-90-7	W
Chloroethane	**<670**	ug/kg	2500	670	10	01/18/18 08:00	01/19/18 12:17	75-00-3	W
Chloroform	**<464**	ug/kg	2500	464	10	01/18/18 08:00	01/19/18 12:17	67-66-3	W
Chloromethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	74-87-3	W
2-Chlorotoluene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	95-49-8	W
4-Chlorotoluene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	106-43-4	W
1,2-Dibromo-3-chloropropane	**<912**	ug/kg	2500	912	10	01/18/18 08:00	01/19/18 12:17	96-12-8	W
Dibromochloromethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	124-48-1	W
1,2-Dibromoethane (EDB)	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	106-93-4	W
Dibromomethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	74-95-3	W
1,2-Dichlorobenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	95-50-1	W
1,3-Dichlorobenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	541-73-1	W
1,4-Dichlorobenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	106-46-7	W
Dichlorodifluoromethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-71-8	W
1,1-Dichloroethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-34-3	W
1,2-Dichloroethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	107-06-2	W
1,1-Dichloroethene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-35-4	W
cis-1,2-Dichloroethene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	156-59-2	W
trans-1,2-Dichloroethene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	156-60-5	W
1,2-Dichloropropane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	78-87-5	W
1,3-Dichloropropane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	142-28-9	W
2,2-Dichloropropane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	594-20-7	W
1,1-Dichloropropene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	563-58-6	W
cis-1,3-Dichloropropene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	10061-01-5	W
trans-1,3-Dichloropropene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	10061-02-6	W
Diisopropyl ether	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	108-20-3	W
Ethylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	100-41-4	W
Hexachloro-1,3-butadiene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	87-68-3	W
Isopropylbenzene (Cumene)	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	98-82-8	W
p-Isopropyltoluene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	99-87-6	W
Methylene Chloride	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-09-2	W
Methyl-tert-butyl ether	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	1634-04-4	W
Naphthalene	**<400**	ug/kg	2500	400	10	01/18/18 08:00	01/19/18 12:17	91-20-3	W
n-Propylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	103-65-1	W
Styrene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: B 2-3' **Lab ID: 40163585005** Collected: 01/16/18 10:20 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	630-20-6	W
1,1,2,2-Tetrachloroethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	79-34-5	W
Tetrachloroethene	**69900**	ug/kg	699	291	10	01/18/18 08:00	01/19/18 12:17	127-18-4	
Toluene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	108-88-3	W
1,2,3-Trichlorobenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	87-61-6	W
1,2,4-Trichlorobenzene	**<476**	ug/kg	2500	476	10	01/18/18 08:00	01/19/18 12:17	120-82-1	L2,W
1,1,1-Trichloroethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	71-55-6	W
1,1,2-Trichloroethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	79-00-5	W
Trichloroethene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	79-01-6	W
Trichlorofluoromethane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-69-4	W
1,2,3-Trichloropropane	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	96-18-4	W
1,2,4-Trimethylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	95-63-6	W
1,3,5-Trimethylbenzene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	108-67-8	W
Vinyl chloride	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	75-01-4	W
m&p-Xylene	**<500**	ug/kg	1200	500	10	01/18/18 08:00	01/19/18 12:17	179601-23-1	W
o-Xylene	**<250**	ug/kg	600	250	10	01/18/18 08:00	01/19/18 12:17	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	139	%	68-130		10	01/18/18 08:00	01/19/18 12:17	1868-53-7	S1
Toluene-d8 (S)	96	%	68-149		10	01/18/18 08:00	01/19/18 12:17	2037-26-5	
4-Bromofluorobenzene (S)	81	%	58-141		10	01/18/18 08:00	01/19/18 12:17	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/22/18 09:15	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/22/18 09:15	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/22/18 09:15	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/22/18 09:15	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/22/18 09:15	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/22/18 09:15	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/22/18 09:15	75-35-4	
Tetrachloroethene	**1.1**	mg/L	0.010	0.0050	10		01/22/18 09:15	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/22/18 09:15	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/22/18 09:15	75-01-4	
Surrogates									
Toluene-d8 (S)	93	%	70-130		10		01/22/18 09:15	2037-26-5	
4-Bromofluorobenzene (S)	79	%	61-130		10		01/22/18 09:15	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		10		01/22/18 09:15	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.2**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 0-0.5' **Lab ID: 40163585007** Collected: 01/15/18 10:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/18/18 15:11	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/18/18 15:11	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/18/18 15:11	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/18/18 15:11	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	108-20-3	W
Ethylbenzene	**46.4J**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/18/18 15:11	100-41-4	
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/18/18 15:11	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 0-0.5' **Lab ID: 40163585007** Collected: 01/15/18 10:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	79-34-5	W
Tetrachloroethene	**517**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/18/18 15:11	127-18-4	
Toluene	**390**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/18/18 15:11	108-88-3	
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/18/18 15:11	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	96-18-4	W
1,2,4-Trimethylbenzene	**50.2J**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/18/18 15:11	95-63-6	
1,3,5-Trimethylbenzene	**26.0J**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/18/18 15:11	108-67-8	
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/18/18 15:11	75-01-4	W
m&p-Xylene	**229**	ug/kg	121	50.6	1	01/18/18 08:00	01/18/18 15:11	179601-23-1	
o-Xylene	**90.4**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/18/18 15:11	95-47-6	
Surrogates									
Dibromofluoromethane (S)	124	%	68-130		1	01/18/18 08:00	01/18/18 15:11	1868-53-7	
Toluene-d8 (S)	117	%	68-149		1	01/18/18 08:00	01/18/18 15:11	2037-26-5	
4-Bromofluorobenzene (S)	104	%	58-141		1	01/18/18 08:00	01/18/18 15:11	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:32	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/19/18 12:32	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:32	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:32	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/19/18 12:32	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/19/18 12:32	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/19/18 12:32	75-35-4	
Tetrachloroethene	**0.0059J**	mg/L	0.010	0.0050	10		01/19/18 12:32	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/19/18 12:32	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/19/18 12:32	75-01-4	
Surrogates									
Toluene-d8 (S)	96	%	70-130		10		01/19/18 12:32	2037-26-5	
4-Bromofluorobenzene (S)	82	%	61-130		10		01/19/18 12:32	460-00-4	
Dibromofluoromethane (S)	112	%	67-130		10		01/19/18 12:32	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**1.2**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 8-9' **Lab ID: 40163585009** Collected: 01/15/18 11:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	71-43-2	W
Bromobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	108-86-1	W
Bromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	74-97-5	W
Bromodichloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-27-4	W
Bromoform	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-25-2	W
Bromomethane	**<559**	ug/kg	2000	559	8	01/18/18 08:00	01/18/18 17:26	74-83-9	W
n-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	104-51-8	W
sec-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	135-98-8	W
tert-Butylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	98-06-6	W
Carbon tetrachloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	56-23-5	W
Chlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	108-90-7	W
Chloroethane	**<536**	ug/kg	2000	536	8	01/18/18 08:00	01/18/18 17:26	75-00-3	W
Chloroform	**<372**	ug/kg	2000	372	8	01/18/18 08:00	01/18/18 17:26	67-66-3	W
Chloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	74-87-3	W
2-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	95-49-8	W
4-Chlorotoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	106-43-4	W
1,2-Dibromo-3-chloropropane	**<730**	ug/kg	2000	730	8	01/18/18 08:00	01/18/18 17:26	96-12-8	W
Dibromochloromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	124-48-1	W
1,2-Dibromoethane (EDB)	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	106-93-4	W
Dibromomethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	74-95-3	W
1,2-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	95-50-1	W
1,3-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	541-73-1	W
1,4-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	106-46-7	W
Dichlorodifluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-71-8	W
1,1-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-34-3	W
1,2-Dichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	107-06-2	W
1,1-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-35-4	W
cis-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	156-59-2	W
trans-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	156-60-5	W
1,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	78-87-5	W
1,3-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	142-28-9	W
2,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	594-20-7	W
1,1-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	563-58-6	W
cis-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	10061-01-5	W
trans-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	10061-02-6	W
Diisopropyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	108-20-3	W
Ethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	100-41-4	W
Hexachloro-1,3-butadiene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	87-68-3	W
Isopropylbenzene (Cumene)	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	98-82-8	W
p-Isopropyltoluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	99-87-6	W
Methylene Chloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-09-2	W
Methyl-tert-butyl ether	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	1634-04-4	W
Naphthalene	**<320**	ug/kg	2000	320	8	01/18/18 08:00	01/18/18 17:26	91-20-3	W
n-Propylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	103-65-1	W
Styrene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: C 8-9' **Lab ID: 40163585009** Collected: 01/15/18 11:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	630-20-6	W
1,1,2,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	79-34-5	W
Tetrachloroethene	**46100**	ug/kg	558	232	8	01/18/18 08:00	01/18/18 17:26	127-18-4	
Toluene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	108-88-3	W
1,2,3-Trichlorobenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	87-61-6	W
1,2,4-Trichlorobenzene	**<380**	ug/kg	2000	380	8	01/18/18 08:00	01/18/18 17:26	120-82-1	L2,W
1,1,1-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	71-55-6	W
1,1,2-Trichloroethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	79-00-5	W
Trichloroethene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	79-01-6	W
Trichlorofluoromethane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-69-4	W
1,2,3-Trichloropropane	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	96-18-4	W
1,2,4-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	95-63-6	W
1,3,5-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	108-67-8	W
Vinyl chloride	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	75-01-4	W
m&p-Xylene	**<400**	ug/kg	960	400	8	01/18/18 08:00	01/18/18 17:26	179601-23-1	W
o-Xylene	**<200**	ug/kg	480	200	8	01/18/18 08:00	01/18/18 17:26	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	122	%	68-130		8	01/18/18 08:00	01/18/18 17:26	1868-53-7	
Toluene-d8 (S)	80	%	68-149		8	01/18/18 08:00	01/18/18 17:26	2037-26-5	
4-Bromofluorobenzene (S)	67	%	58-141		8	01/18/18 08:00	01/18/18 17:26	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:54	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/19/18 12:54	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:54	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 12:54	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/19/18 12:54	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/19/18 12:54	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/19/18 12:54	75-35-4	
Tetrachloroethene	**0.14**	mg/L	0.010	0.0050	10		01/19/18 12:54	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/19/18 12:54	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/19/18 12:54	75-01-4	
Surrogates									
Toluene-d8 (S)	95	%	70-130		10		01/19/18 12:54	2037-26-5	
4-Bromofluorobenzene (S)	83	%	61-130		10		01/19/18 12:54	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		10		01/19/18 12:54	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.9**	%	0.10	0.10	1		01/22/18 11:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: E 0-0.5' **Lab ID: 40163585012** Collected: 01/16/18 09:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/19/18 10:47	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/19/18 10:47	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/19/18 10:47	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/19/18 10:47	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/19/18 10:47	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: E 0-0.5' **Lab ID: 40163585012** Collected: 01/16/18 09:10 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	79-34-5	W
Tetrachloroethene	**2120**	ug/kg	60.7	25.3	1	01/18/18 08:00	01/19/18 10:47	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/19/18 10:47	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:00	01/19/18 10:47	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 10:47	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	144	%	68-130		1	01/18/18 08:00	01/19/18 10:47	1868-53-7	S1
Toluene-d8 (S)	129	%	68-149		1	01/18/18 08:00	01/19/18 10:47	2037-26-5	
4-Bromofluorobenzene (S)	113	%	58-141		1	01/18/18 08:00	01/19/18 10:47	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 13:17	71-43-2	
2-Butanone (MEK)	**0.047J**	mg/L	0.20	0.030	10		01/19/18 13:17	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 13:17	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 13:17	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/19/18 13:17	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/19/18 13:17	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/19/18 13:17	75-35-4	
Tetrachloroethene	**0.029**	mg/L	0.010	0.0050	10		01/19/18 13:17	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/19/18 13:17	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/19/18 13:17	75-01-4	
Surrogates									
Toluene-d8 (S)	93	%	70-130		10		01/19/18 13:17	2037-26-5	
4-Bromofluorobenzene (S)	82	%	61-130		10		01/19/18 13:17	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		10		01/19/18 13:17	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**1.1**	%	0.10	0.10	1		01/22/18 10:32		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: H 8-9' **Lab ID: 40163585018** Collected: 01/16/18 12:30 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:00	01/19/18 11:55	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:00	01/19/18 11:55	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:00	01/19/18 11:55	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:00	01/19/18 11:55	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:00	01/19/18 11:55	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: H 8-9' **Lab ID: 40163585018** Collected: 01/16/18 12:30 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	79-34-5	W
Tetrachloroethene	**5160**	ug/kg	70.3	29.3	1	01/18/18 08:00	01/19/18 11:55	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:00	01/19/18 11:55	120-82-1	L2,W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	79-00-5	W
Trichloroethene	**129**	ug/kg	70.3	29.3	1	01/18/18 08:00	01/19/18 11:55	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/18/18 08:00	01/19/18 11:55	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:00	01/19/18 11:55	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	123	%	68-130		1	01/18/18 08:00	01/19/18 11:55	1868-53-7	
Toluene-d8 (S)	96	%	68-149		1	01/18/18 08:00	01/19/18 11:55	2037-26-5	
4-Bromofluorobenzene (S)	83	%	58-141		1	01/18/18 08:00	01/19/18 11:55	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/18/18 11:50								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 13:40	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/19/18 13:40	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 13:40	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/19/18 13:40	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/19/18 13:40	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/19/18 13:40	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/19/18 13:40	75-35-4	
Tetrachloroethene	**0.039**	mg/L	0.010	0.0050	10		01/19/18 13:40	127-18-4	
Trichloroethene	**0.0036J**	mg/L	0.010	0.0033	10		01/19/18 13:40	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/19/18 13:40	75-01-4	
Surrogates									
Toluene-d8 (S)	95	%	70-130		10		01/19/18 13:40	2037-26-5	
4-Bromofluorobenzene (S)	81	%	61-130		10		01/19/18 13:40	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		10		01/19/18 13:40	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.6**	%	0.10	0.10	1		01/22/18 11:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: J 7' **Lab ID: 40163585025** Collected: 01/15/18 13:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	71-43-2	W
Bromobenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	108-86-1	W
Bromochloromethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	74-97-5	W
Bromodichloromethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-27-4	W
Bromoform	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-25-2	W
Bromomethane	**<368**	ug/kg	1320	368	5	01/18/18 08:15	01/18/18 13:09	74-83-9	W
n-Butylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	104-51-8	W
sec-Butylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	135-98-8	W
tert-Butylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	98-06-6	W
Carbon tetrachloride	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	56-23-5	W
Chlorobenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	108-90-7	W
Chloroethane	**<353**	ug/kg	1320	353	5	01/18/18 08:15	01/18/18 13:09	75-00-3	W
Chloroform	**<244**	ug/kg	1320	244	5	01/18/18 08:15	01/18/18 13:09	67-66-3	W
Chloromethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	74-87-3	W
2-Chlorotoluene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	95-49-8	W
4-Chlorotoluene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	106-43-4	W
1,2-Dibromo-3-chloropropane	**<480**	ug/kg	1320	480	5	01/18/18 08:15	01/18/18 13:09	96-12-8	W
Dibromochloromethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	124-48-1	W
1,2-Dibromoethane (EDB)	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	106-93-4	W
Dibromomethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	74-95-3	W
1,2-Dichlorobenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	95-50-1	W
1,3-Dichlorobenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	541-73-1	W
1,4-Dichlorobenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	106-46-7	W
Dichlorodifluoromethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-71-8	W
1,1-Dichloroethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-34-3	W
1,2-Dichloroethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	107-06-2	W
1,1-Dichloroethene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-35-4	W
cis-1,2-Dichloroethene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	156-59-2	W
trans-1,2-Dichloroethene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	156-60-5	W
1,2-Dichloropropane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	78-87-5	W
1,3-Dichloropropane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	142-28-9	W
2,2-Dichloropropane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	594-20-7	W
1,1-Dichloropropene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	563-58-6	W
cis-1,3-Dichloropropene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	10061-01-5	W
trans-1,3-Dichloropropene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	10061-02-6	W
Diisopropyl ether	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	108-20-3	W
Ethylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	100-41-4	W
Hexachloro-1,3-butadiene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/19/18 13:41	87-68-3	W
Isopropylbenzene (Cumene)	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	98-82-8	W
p-Isopropyltoluene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	99-87-6	W
Methylene Chloride	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-09-2	W
Methyl-tert-butyl ether	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	1634-04-4	W
Naphthalene	**<211**	ug/kg	1320	211	5	01/18/18 08:15	01/18/18 13:09	91-20-3	W
n-Propylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	103-65-1	W
Styrene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: J 7' **Lab ID: 40163585025** Collected: 01/15/18 13:55 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	630-20-6	W
1,1,2,2-Tetrachloroethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	79-34-5	W
Tetrachloroethene	**27300**	ug/kg	367	153	5	01/18/18 08:15	01/18/18 13:09	127-18-4	
Toluene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	108-88-3	W
1,2,3-Trichlorobenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	87-61-6	W
1,2,4-Trichlorobenzene	**<250**	ug/kg	1320	250	5	01/18/18 08:15	01/18/18 13:09	120-82-1	W
1,1,1-Trichloroethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	71-55-6	W
1,1,2-Trichloroethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	79-00-5	W
Trichloroethene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	79-01-6	W
Trichlorofluoromethane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-69-4	W
1,2,3-Trichloropropane	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	96-18-4	W
1,2,4-Trimethylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	95-63-6	W
1,3,5-Trimethylbenzene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	108-67-8	W
Vinyl chloride	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	75-01-4	W
m&p-Xylene	**<263**	ug/kg	632	263	5	01/18/18 08:15	01/18/18 13:09	179601-23-1	W
o-Xylene	**<132**	ug/kg	316	132	5	01/18/18 08:15	01/18/18 13:09	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	68-130		5	01/18/18 08:15	01/18/18 13:09	1868-53-7	
Toluene-d8 (S)	106	%	68-149		5	01/18/18 08:15	01/18/18 13:09	2037-26-5	
4-Bromofluorobenzene (S)	100	%	58-141		5	01/18/18 08:15	01/18/18 13:09	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/22/18 12:03								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 15:22	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/23/18 15:22	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 15:22	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 15:22	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/23/18 15:22	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/23/18 15:22	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/23/18 15:22	75-35-4	
Tetrachloroethene	**0.52**	mg/L	0.010	0.0050	10		01/23/18 15:22	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/23/18 15:22	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/23/18 15:22	75-01-4	
Surrogates									
Toluene-d8 (S)	93	%	70-130		10		01/23/18 15:22	2037-26-5	
4-Bromofluorobenzene (S)	83	%	61-130		10		01/23/18 15:22	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		10		01/23/18 15:22	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.0**	%	0.10	0.10	1		01/22/18 11:38		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 0-0.5' **Lab ID: 40163585036** Collected: 01/15/18 12:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/18/18 08:15	01/18/18 12:46	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/18/18 08:15	01/18/18 12:46	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/18/18 08:15	01/18/18 12:46	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/18/18 08:15	01/18/18 12:46	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	108-20-3	W
Ethylbenzene	**30.9J**	ug/kg	61.0	25.4	1	01/18/18 08:15	01/18/18 12:46	100-41-4	
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/19/18 14:04	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/18/18 08:15	01/18/18 12:46	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 0-0.5' **Lab ID: 40163585036** Collected: 01/15/18 12:40 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	79-34-5	W
Tetrachloroethene	**402**	ug/kg	61.0	25.4	1	01/18/18 08:15	01/18/18 12:46	127-18-4	
Toluene	**220**	ug/kg	61.0	25.4	1	01/18/18 08:15	01/18/18 12:46	108-88-3	
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/18/18 08:15	01/18/18 12:46	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/18/18 08:15	01/18/18 12:46	75-01-4	W
m&p-Xylene	**146**	ug/kg	122	50.9	1	01/18/18 08:15	01/18/18 12:46	179601-23-1	
o-Xylene	**48.6J**	ug/kg	61.0	25.4	1	01/18/18 08:15	01/18/18 12:46	95-47-6	
Surrogates									
Dibromofluoromethane (S)	106	%	68-130		1	01/18/18 08:15	01/18/18 12:46	1868-53-7	
Toluene-d8 (S)	114	%	68-149		1	01/18/18 08:15	01/18/18 12:46	2037-26-5	
4-Bromofluorobenzene (S)	110	%	58-141		1	01/18/18 08:15	01/18/18 12:46	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/22/18 12:03								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 14:59	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/23/18 14:59	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 14:59	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 14:59	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/23/18 14:59	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/23/18 14:59	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/23/18 14:59	75-35-4	
Tetrachloroethene	**<0.0050**	mg/L	0.010	0.0050	10		01/23/18 14:59	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/23/18 14:59	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/23/18 14:59	75-01-4	
Surrogates									
Toluene-d8 (S)	93	%	70-130		10		01/23/18 14:59	2037-26-5	
4-Bromofluorobenzene (S)	78	%	61-130		10		01/23/18 14:59	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		10		01/23/18 14:59	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**1.7**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 2-3' **Lab ID: 40163585037** Collected: 01/15/18 12:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	71-43-2	W
Bromobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	108-86-1	W
Bromochloromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	74-97-5	W
Bromodichloromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-27-4	W
Bromoform	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-25-2	W
Bromomethane	**<140**	ug/kg	500	140	2	01/18/18 08:15	01/18/18 23:47	74-83-9	W
n-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	104-51-8	W
sec-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	135-98-8	W
tert-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	98-06-6	W
Carbon tetrachloride	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	56-23-5	W
Chlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	108-90-7	W
Chloroethane	**<134**	ug/kg	500	134	2	01/18/18 08:15	01/18/18 23:47	75-00-3	W
Chloroform	**<92.9**	ug/kg	500	92.9	2	01/18/18 08:15	01/18/18 23:47	67-66-3	W
Chloromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	74-87-3	W
2-Chlorotoluene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	95-49-8	W
4-Chlorotoluene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	106-43-4	W
1,2-Dibromo-3-chloropropane	**<182**	ug/kg	500	182	2	01/18/18 08:15	01/18/18 23:47	96-12-8	W
Dibromochloromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	124-48-1	W
1,2-Dibromoethane (EDB)	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	106-93-4	W
Dibromomethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	74-95-3	W
1,2-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	95-50-1	W
1,3-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	541-73-1	W
1,4-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	106-46-7	W
Dichlorodifluoromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-71-8	W
1,1-Dichloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-34-3	W
1,2-Dichloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	107-06-2	W
1,1-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-35-4	W
cis-1,2-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	156-59-2	W
trans-1,2-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	156-60-5	W
1,2-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	78-87-5	W
1,3-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	142-28-9	W
2,2-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	594-20-7	W
1,1-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	563-58-6	W
cis-1,3-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	10061-01-5	W
trans-1,3-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	10061-02-6	W
Diisopropyl ether	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	108-20-3	W
Ethylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	100-41-4	W
Hexachloro-1,3-butadiene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	87-68-3	W
Isopropylbenzene (Cumene)	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	98-82-8	W
p-Isopropyltoluene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	99-87-6	W
Methylene Chloride	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-09-2	W
Methyl-tert-butyl ether	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	1634-04-4	W
Naphthalene	**<80.1**	ug/kg	500	80.1	2	01/18/18 08:15	01/18/18 23:47	91-20-3	W
n-Propylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	103-65-1	W
Styrene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 2-3' **Lab ID: 40163585037** Collected: 01/15/18 12:50 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	630-20-6	W
1,1,2,2-Tetrachloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	79-34-5	W
Tetrachloroethene	**9190**	ug/kg	140	58.5	2	01/18/18 08:15	01/18/18 23:47	127-18-4	
Toluene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	108-88-3	W
1,2,3-Trichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	87-61-6	W
1,2,4-Trichlorobenzene	**<95.1**	ug/kg	500	95.1	2	01/18/18 08:15	01/18/18 23:47	120-82-1	W
1,1,1-Trichloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	71-55-6	W
1,1,2-Trichloroethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	79-00-5	W
Trichloroethene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	79-01-6	W
Trichlorofluoromethane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-69-4	W
1,2,3-Trichloropropane	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	96-18-4	W
1,2,4-Trimethylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	95-63-6	W
1,3,5-Trimethylbenzene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	108-67-8	W
Vinyl chloride	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	75-01-4	W
m&p-Xylene	**<100**	ug/kg	240	100	2	01/18/18 08:15	01/18/18 23:47	179601-23-1	W
o-Xylene	**<50.0**	ug/kg	120	50.0	2	01/18/18 08:15	01/18/18 23:47	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	68-130		2	01/18/18 08:15	01/18/18 23:47	1868-53-7	
Toluene-d8 (S)	93	%	68-149		2	01/18/18 08:15	01/18/18 23:47	2037-26-5	
4-Bromofluorobenzene (S)	87	%	58-141		2	01/18/18 08:15	01/18/18 23:47	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.5**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 5-6' **Lab ID: 40163585038** Collected: 01/15/18 13:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	71-43-2	W
Bromobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	108-86-1	W
Bromochloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	74-97-5	W
Bromodichloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-27-4	W
Bromoform	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-25-2	W
Bromomethane	**<1400**	ug/kg	5000	1400	20	01/18/18 08:15	01/19/18 00:10	74-83-9	W
n-Butylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	104-51-8	W
sec-Butylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	135-98-8	W
tert-Butylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	98-06-6	W
Carbon tetrachloride	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	56-23-5	W
Chlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	108-90-7	W
Chloroethane	**<1340**	ug/kg	5000	1340	20	01/18/18 08:15	01/19/18 00:10	75-00-3	W
Chloroform	**<929**	ug/kg	5000	929	20	01/18/18 08:15	01/19/18 00:10	67-66-3	W
Chloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	74-87-3	W
2-Chlorotoluene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	95-49-8	W
4-Chlorotoluene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	106-43-4	W
1,2-Dibromo-3-chloropropane	**<1820**	ug/kg	5000	1820	20	01/18/18 08:15	01/19/18 00:10	96-12-8	W
Dibromochloromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	124-48-1	W
1,2-Dibromoethane (EDB)	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	106-93-4	W
Dibromomethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	74-95-3	W
1,2-Dichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	95-50-1	W
1,3-Dichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	541-73-1	W
1,4-Dichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	106-46-7	W
Dichlorodifluoromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-71-8	W
1,1-Dichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-34-3	W
1,2-Dichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	107-06-2	W
1,1-Dichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-35-4	W
cis-1,2-Dichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	156-59-2	W
trans-1,2-Dichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	156-60-5	W
1,2-Dichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	78-87-5	W
1,3-Dichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	142-28-9	W
2,2-Dichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	594-20-7	W
1,1-Dichloropropene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	563-58-6	W
cis-1,3-Dichloropropene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	10061-01-5	W
trans-1,3-Dichloropropene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	10061-02-6	W
Diisopropyl ether	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	108-20-3	W
Ethylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	100-41-4	W
Hexachloro-1,3-butadiene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	87-68-3	W
Isopropylbenzene (Cumene)	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	98-82-8	W
p-Isopropyltoluene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	99-87-6	W
Methylene Chloride	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-09-2	W
Methyl-tert-butyl ether	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	1634-04-4	W
Naphthalene	**<801**	ug/kg	5000	801	20	01/18/18 08:15	01/19/18 00:10	91-20-3	W
n-Propylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	103-65-1	W
Styrene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 17-1124 SHOREWOOD CLEANERS
Pace Project No.: 40163585

Sample: M 5-6' **Lab ID: 40163585038** Collected: 01/15/18 13:00 Received: 01/17/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	630-20-6	W
1,1,2,2-Tetrachloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	79-34-5	W
Tetrachloroethene	**81000**	ug/kg	1370	570	20	01/18/18 08:15	01/19/18 00:10	127-18-4	
Toluene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	108-88-3	W
1,2,3-Trichlorobenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	87-61-6	W
1,2,4-Trichlorobenzene	**<951**	ug/kg	5000	951	20	01/18/18 08:15	01/19/18 00:10	120-82-1	W
1,1,1-Trichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	71-55-6	W
1,1,2-Trichloroethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	79-00-5	W
Trichloroethene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	79-01-6	W
Trichlorofluoromethane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-69-4	W
1,2,3-Trichloropropane	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	96-18-4	W
1,2,4-Trimethylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	95-63-6	W
1,3,5-Trimethylbenzene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	108-67-8	W
Vinyl chloride	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	75-01-4	W
m&p-Xylene	**<1000**	ug/kg	2400	1000	20	01/18/18 08:15	01/19/18 00:10	179601-23-1	W
o-Xylene	**<500**	ug/kg	1200	500	20	01/18/18 08:15	01/19/18 00:10	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	68-130		20	01/18/18 08:15	01/19/18 00:10	1868-53-7	S4
Toluene-d8 (S)	0	%	68-149		20	01/18/18 08:15	01/19/18 00:10	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	58-141		20	01/18/18 08:15	01/19/18 00:10	460-00-4	S4
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/22/18 12:03								
Benzene	**<0.010**	mg/L	0.020	0.010	20		01/23/18 16:07	71-43-2	
2-Butanone (MEK)	**<0.060**	mg/L	0.40	0.060	20		01/23/18 16:07	78-93-3	
Carbon tetrachloride	**<0.010**	mg/L	0.020	0.010	20		01/23/18 16:07	56-23-5	
Chlorobenzene	**<0.010**	mg/L	0.020	0.010	20		01/23/18 16:07	108-90-7	
Chloroform	**<0.050**	mg/L	0.10	0.050	20		01/23/18 16:07	67-66-3	
1,2-Dichloroethane	**<0.0034**	mg/L	0.020	0.0034	20		01/23/18 16:07	107-06-2	
1,1-Dichloroethene	**<0.0082**	mg/L	0.020	0.0082	20		01/23/18 16:07	75-35-4	
Tetrachloroethene	**0.85**	mg/L	0.020	0.010	20		01/23/18 16:07	127-18-4	
Trichloroethene	**<0.0066**	mg/L	0.020	0.0066	20		01/23/18 16:07	79-01-6	
Vinyl chloride	**<0.0035**	mg/L	0.020	0.0035	20		01/23/18 16:07	75-01-4	
Surrogates									
Toluene-d8 (S)	94	%	70-130		20		01/23/18 16:07	2037-26-5	
4-Bromofluorobenzene (S)	77	%	61-130		20		01/23/18 16:07	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		20		01/23/18 16:07	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.3**	%	0.10	0.10	1		01/25/18 16:53		

REPORT OF LABORATORY ANALYSIS

Derf

Pace Analytical®
www.pacelabs.com

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

40163585

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	Fehr Graham
Branch/Location:	Plymouth, WI
Project Contact:	Ken Ebbott
Phone:	(920) 892-2444
Project Number:	17-1124
Project Name:	Shorewood Cleaners
Project State:	WI
Sampled By (Print):	Dillon Plamann
Sampled By (Sign):	DM PL
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Ebbott
Mail To Company:	Fehr Graham
Mail To Address:	Kebbott@fehr-graham.com
Invoice To Contact:	AA
Invoice To Company:	AA
Invoice To Address:	AA
Invoice To Phone:	Added po DP. 1/08/18 CAK

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC	TCLP VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	A					
					F	A					
001	A 0-0.5'	1-16-18	940	S			X	X	1-4oz pA 1-4oz mlv F 1-4oz agA		
002	A 2-3'		950				X	X(1)			
003	A 15'		1005				X				
004	B 0-0.5		1015				X				
005	B 2-3'		1020				X	X			
006	B 15'		1040				X				
007	C 0-0.5'	1-15-18	1040				X	X			
008	C 2-3'		1050				X				
009	C 8-9'		1110				X	X			
010	C 15'		1135				X				
011	C 20'		1200				X				
012	E 0-0.5'	1-16-18	910				X	X			
013	F 2-3'	1-15-18	925				X(1)				

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
DM PL	1-17-18 700	Rachel Ms Pace	1/17/18 1125
Rachel Ms Pace	1/17/18 1300	DSemrau pace	1/17/18 1300

PACE Project No.
40163585

Receipt Temp = R01 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

40163585

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	Fehr Graham
Branch/Location:	
Project Contact:	
Phone:	
Project Number:	Same as Page 1
Project Name:	
Project State:	
Sampled By (Print):	
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	Same as Page 1
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC	TCLP VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	F		A			
014	F 8-9'	1-15-18	1005	S			X		1-4oz pA	1-40mlvF	
015	F 15'	↓	1020	↓			X				
016	F 16'	↓	1025				X				
017	H 2-3'	1-16-18	1225				X				
018	H 8-9'	↓	1230				X	X		1-4ozag A	
019	H 15'	↓	1235				X				
020	I 2-3'	1-15-18	1415				X				
021	I 7'	↓	1420				X				
022	I 12'		1425				X				
023	I 15'		1430				X				
024	J 2-3'		1350				X				
025	J 7'		1355				X	X			
026	J 12'	↓	1400	↓			X				

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	1-17-18 700	[signature] Pace	1/17/18 1125
[signature] Pace	1/17/18 1300	[signature] Pace	1/17/18 1300

PACE Project No.
40163585

Receipt Temp = 2.01 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

Pace Analytical®
www.pacelabs.com

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

CHAIN OF CUSTODY

40163585

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

(Please Print Clearly)	
Company Name:	Fehr Graham
Branch/Location:	
Project Contact:	Same as Page 1
Phone:	
Project Number:	
Project Name:	
Project State:	
Sampled By (Print):	
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	Same as Page 1
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC	Analyses Requested: TCLP VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
027	J 15'	1-15-18	1105	S	N	F	X		1-4oz pA 1-40mlvF		
028	K 3'		1540				X				
029	K 6'		1545				X				
030	K 10'		1550				X				
031	K 15'		1555				X				
032	L 3'		1530				X				
033	L 6'		1535				X				
034	L 10'		1540				X				
035	L 15'		1545				X				
036	M 0-0.5'		1240				X	X		1-4ozag A	
037	M 2-3'		1256				X				
038	M 5-6'		1300				X	X			
039	M 9-10'		1310				X				

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

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	1-17-18 700	Rachel Lee Rae	1/17/18 1125
Rachel Lee Rae	1/17/18 1300	[signature]	1/17/18 1300

PACE Project No.: 40163585

Receipt Temp = 20.1 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

Sample Condition Upon Receipt

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

Pace Analytical™

Project # **WO# : 40163585**

40163585

Client Name: Fehr Graham

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

Tracking #: _____

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

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

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

Thermometer Used MA **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: Rest /Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 1/17/18
Initials: DS

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4. 1st page only DS 1/17/18
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☐Yes	☑No	☐N/A	8. 10 mg/mSD DS 1/17/18
Correct Containers Used:	☑Yes	☐No	☐N/A	9. client covered tare weighted: 016, 051-053, 059
-Pace Containers Used:	☑Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☑N/A	KS 1/17/18
Containers Intact: KS 1/17/18	☐Yes	☑No	☐N/A	10. 030 poly rec'd cracked KS 1/17/18
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☐Yes	☑No	☐N/A	12. See attached DS 1/17/18
-Includes date/time/ID/Analysis Matrix: S				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes	☐No	☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes	☑No		Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	14.
Trip Blank Present:	☑Yes	☐No	☐N/A	15.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): 1230 KS 1/17/18				

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 1/18/18

F-GB-C-031-Rev.04 (12Dec2016) SCUR.xls
Pace Analytical Services LLC. - Green Bay WI

APPENDIX E

Calculation Tables
Information on BAM

Shorewood Queensway Cleaners, 4300 Oakland Avenue, Shorewood

CONCRETE AND ASPHALT LANDFILL AND RECYCLE

CONCRETE FLOORS AND FORMER BASEMENT FLOOR								
Borings	Map Area	Handling	E/W (ft)	N/S (ft)	Depth (ft)	Cubic Yards	Tons	Total (tons)
A, B, C, E, M	Building Floor	LANDFILL	40	58	0.5	43	86	
Outside East Pad		LANDFILL	12	62	0.5	14	28	**151**
Basement Floor after use for treated soil	NW	LANDFILL	25	40	0.5	19	37	
							TOTAL CONC LANDFILL (tons):	**151**

CONCRETE FOOTINGS, 1808 Marion, and Alley to North								
Borings	Map Area	Handling	E/W (ft)	N/S (ft)	Depth (ft)	Cubic Yards	Tons	Total (tons)
Orig Bldg Footprint	NW Bldg	Recycle	50	90	5	26	52	
Boiler Room Footprint	Center	Recycle	20	22	3	5	9	
Rest of Bldg Footprint		Recycle	57	75	5	24	49	116
Alley W to building basement wall	N of site in Alley	Recycle	10	15	0.5	3	6	
1808 Marion Basement		Recycle	41	30	0.5	23	46	119
1808 Basement Walls		Recycle	1	142	7	37	74	
							TOTAL CONC RECYCLE (tons):	**235**

ASPHALT 1808 Marion and Alley to North								
Alley W to building basement wall	N of site in Alley	Recycle	5	15	0.5	1	3	11
Alley W to building basement wall	N of site in Alley	Recycle	15	15	0.5	4	8	
ASPHALT 4300 Oakland								
Utility line path to Oakland	HA-1 to HA-6	Recycle	35	5	0.5	3	6	13
W of bldg	GP-3	Recycle	12	15	0.5	3	7	
							TOTAL ASPHALT RECYCLE (tons)	**24**

SOIL TO TREAT VOLUME
Shorewood Queensway Cleaners
4300 Oakland Avenue, Shorewood, WI

Soil 0.5-5'

MAP ID	Borings	Map Area	Handling	E/W (ft)	N/S (ft)	Depth (ft)	Cubic Yards	Tons	Total (tons)
T1	A, B, SB-5		Treat	10	5	4.5	8	13	33
T1	SB-3 / MW-3		Treat	10	8	4.5	13	20	

Soil 5-9'

MAP ID	Borings	Map Area	Handling	E/W (ft)	N/S (ft)	Depth (ft)	Cubic Yards	Tons	Total (tons)
T2	SB-4 to M		Treat	18	50	4	133	200	223
T2	MW-5 / SB-11	Off Site Alley	Treat	7	15	4	16	23	

Soil 9-14'

MAP ID	Borings	Map Area	Handling	E/W (ft)	N/S (ft)	Depth (ft)	Cubic Yards	Tons	Total (tons)
T3	E - inferred impact	under basement to W	Treat	5	25	5	23	35	201
T3	SB-4 to M		Treat	12	50	5	111	167	

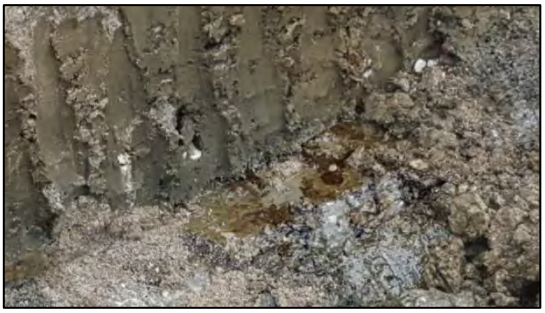
Soil 14-18'

MAP ID	Borings	Map Area	Handling	E/W (ft)	N/S (ft)	Depth (ft)	Cubic Yards	Tons	Total (tons)
T4	GP-1 to M		Treat	12	40	4	71	107	118
T4	J 15'		Treat	5	10	4	7	11	
						TOTALS	**383**		**575**

Ex-Situ Soil Mixing – Chlorinated Solvents

Former Dry Cleaning Site – Chicago Area

Project Profile: Former Dry Cleaning Site – Chicago Area

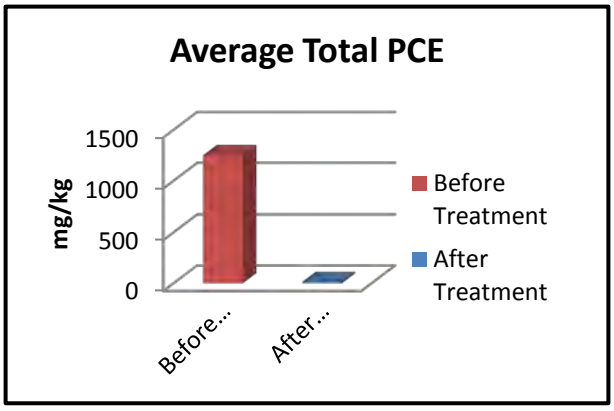


Contaminants: Tetrachloroethene (PCE): Totals were in the range of > 310 ppm to above saturation limits

Treatment Chemistry: Fenton's / BAM (Bioavailable Absorbent Media)

Impacted Matrix: Clay with Silty clay and sand lenses

Project Summary: ORIN successfully treated highly contaminated unsaturated soils using BAM treatment material in combination with chemical oxidation while simultaneously mixing the soils with an excavator. Approximately **720** cubic yards of soil were treated and removed from the site during treatment efforts. Contaminated soils were mixed in place within the excavation after the initial 3 feet of clean overburden was removed. Treatment extended from 3 feet below ground surface (fbgs) to approximately 12 fbgs. Baseline samples were first taken prior to treatment to characterize the contaminant level and compare treatment reductions. Treated soil samples were then sent to a commercial laboratory for analytical testing.



Project Results: Seven sets of samples were taken during treatment for both total PCE and TCLP PCE. One from every 100 cubic yards treated. Two samples in the free product area came back with total PCE of 20 ppm and 13 ppm with the remaining 5 treatment areas all having total PCE below 10 ppm. **Every treatment area came back at TCLP concentrations below the detection limit.** The soils were then hauled to a local landfill for disposal as non hazardous waste.

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Ex-Situ Soil Mixing – Chlorinated Solvents

Former Manufacturing Facility – Menomonee Falls, WI

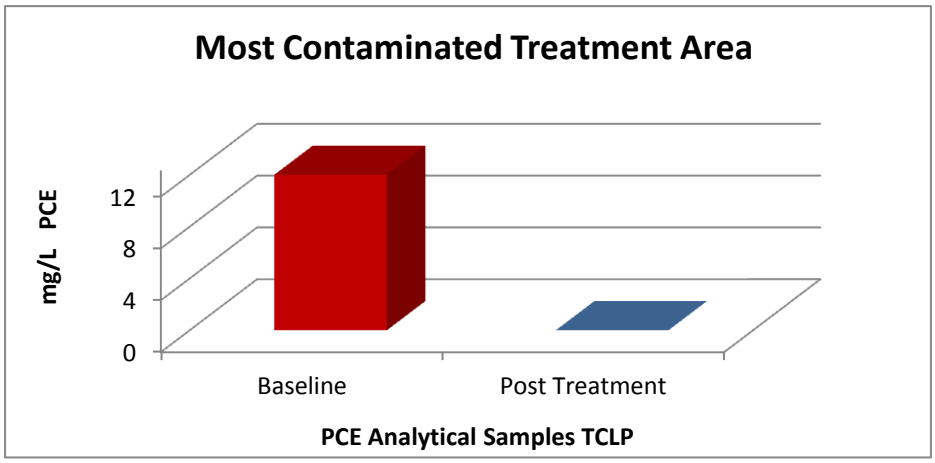
Project Profile: Former Manufacturing Facility – Menomonee Falls, WI

Contaminants: Tetrachloroethene (PCE): 11.1 to 6.12 mg/L (TCLP)

Treatment Chemistry: BAM (Bioavailable Absorbent Media)

Impacted Matrix: Silty clay and sand lenses

Project Summary: ORIN successfully treated highly contaminated unsaturated soils using BAM treatment material and applying it while simultaneously mixing the soils with an excavator. Approximately 410 cubic yards of soil were treated and removed from the site during treatment efforts. Contaminated soils were staged in roll off containers for treatment and mixing. Each roll off contained approximately 7 to 15 cubic yards of soil. Baseline readings were first taken from each roll off to characterize the contaminant level and compare treatment reductions. Treated soil samples were then sent to a commercial laboratory for analytical testing.



Project Results: After treatment, the impacted soils all had TCLP concentrations below the detection limit. The soils were then hauled to a local landfill for disposal as non hazardous waste.

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Ex-Situ Soil Mixing–Chlorinated Solvents

Former Manufacturing Facility –Minneapolis, MN

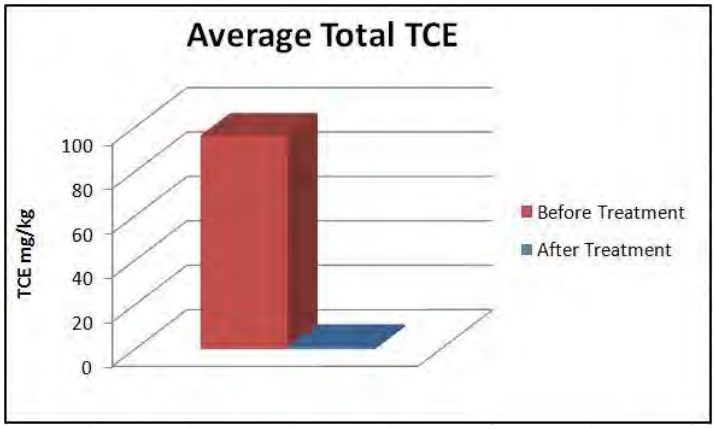
Project Profile: Former Manufacturing Facility – Minneapolis, Minnesota

Contaminants: Trichloroethene (TCE): 96.2 mg/kg
Limited Daughter Products

Treatment Chemistry: Fenton's Reagent
BAM (Bioavailable Absorbent Media)

Impacted Matrix: Glacial Clay Till

Project Summary: ORIN successfully treated contaminated unsaturated soils using BAM treatment material in conjunction with chemical oxidation while simultaneously mixing soils with an excavator. Approximately ten 80yd^3 batches of soil were transferred to a treatment area where they were treated with Fenton's Reagent. Following the completion of the Fenton's reaction, approximately eight cubic yards of BAM were applied to each batch of soil and thoroughly mixed with an excavator. Upon completion of mixing BAM, samples of the treated soils were collected and taken to an analytical lab for testing.



Project Results: Samples were collected immediately after the mixing processes within the soils were completed and sent to an analytical lab with a 24 hour turnaround time. Initial TCE concentrations averaged 96.2 mg/kg. Following treatment, the average TCE concentration was 1.06 mg/kg. This translates to a 98.9% reduction in TCE contamination. With this reduction, the soils passed the site specific clean up goals and will remain on site, avoiding being sent to a landfill.

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Ex-Situ Soil Mixing–Chlorinated Solvents

Former Manufacturing Facility – Wisconsin

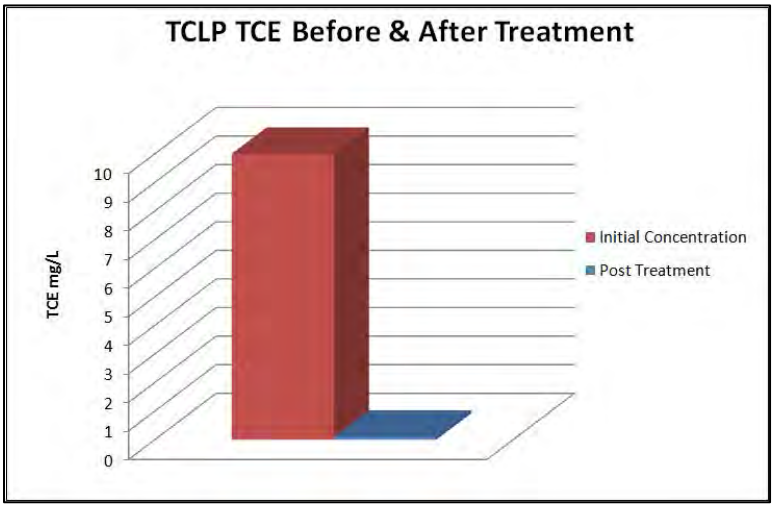
Project Profile: Former Manufacturing Facility – Wisconsin

Contaminants: Trichloroethene (TCE): TCLP 10 mg/L

Treatment Chemistry: Fenton's Reagent
BAM (Bioavailable Absorbent Media)

Impacted Matrix: Sand, Silt, Crushed Gravel, Foundry Sand, Clay

Project Summary: ORIN successfully treated contaminated unsaturated soils using BAM treatment material in conjunction with chemical oxidation while simultaneously mixing soils with an excavator. Contaminant odor was detected throughout the project. A grab soil sample was measured with a PID at 2,900ppm. Free product was also observed during the project. Approximately 1,400 cubic yards of soil were treated with Fenton's Reagent. Following the completion of the Fenton's reaction, approximately 8-10 cubic yards of BAM were applied to each batch of soil and thoroughly mixed with an excavator.



Project Results: Samples were collected 3 days after the mixing processes were completed and sent to an analytical lab. Initial TCLP TCE concentrations averaged 10mg/L. Following treatment, the average TCE concentration was 0.1mg/L. This translates to a 99.99% reduction in TCE contamination. With this reduction, the soils passed the site specific clean up goals and will be sent to a landfill as non-hazardous waste.

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In-Situ Soil Mixing – Chlorinated Solvents

Active Manufacturing Facility – Cicero, IL

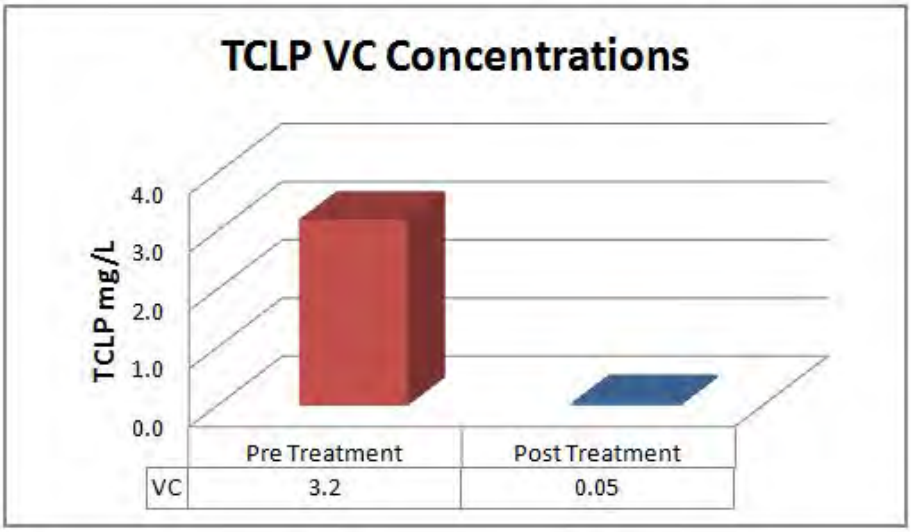
Project Profile: Active Manufacturing Facility – Cicero, Illinois

Contaminants: Vinyl Chloride (VC): TCLP 3.2 mg/L

Treatment Chemistry: Fenton's Reagent
BAM (Bioavailable Absorbent Media)

Impacted Matrix: Silty Clay

Project Summary: ORIN successfully treated contaminated unsaturated soils using BAM treatment material in conjunction with chemical oxidation while simultaneously mixing the soils with an excavator. Approximately 120 cubic yards of soil were homogenized with Fenton's Reagent by direct spraying. Following the completion of the Fenton's reaction, approximately 18 cubic yards of BAM were evenly spread and thoroughly mixed with an excavator to treat the soils.



Project Results: Samples were collected 1 day after the mixing processes were completed and sent to an analytical lab. Initial TCLP VC concentrations averaged 3.2 mg/L. Following treatment, the average VC concentration was 0.05 mg/L. This translates to a 98.4% reduction in VC contamination. The soils passed the site specific TCLP clean-up goal of 0.2 mg/L and were sent to a landfill as non-hazardous waste.

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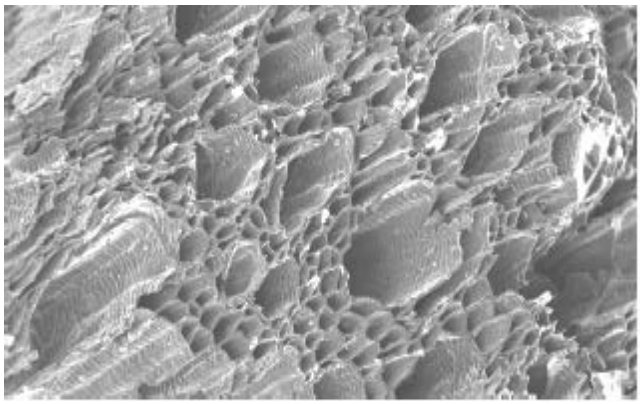
Bioavailable Absorbent Media (BAM)

BAM is a sustainable, pyrolized, recycled cellulosic bio-mass product (>80% fixed carbon) derived from a proprietary blend of recycled organic materials with a high cation exchange and an estimated half-life of 500 years. BAM has diverse pore sizes with a minimum total surface area of up to 1,133 square meters per gram.

BAM has numerous synergistic qualities and is relatively affordable in large quantities for remediation purposes for both **soils and groundwater**. It has the ability to provide ample usable surface area for maximizing microbial colonization and thereby an active microbial community. Due to its unique 'honeycomb' structure, BAM has the ability to provide increased pore space for the different strains of microbes. Most importantly, BAM's honeycomb structure allows for maximum contact (bio-availability through high sorbency). This allows for complete degradation of the contaminant.



Example Honeycomb structure

Advantages

- **Immediate clean up of groundwater through absorption**
- **Treats both soils and groundwater**
- **Effective on wide range of hydrocarbons, chlorinated solvents, and some heavy metals**
- **Absorbed contaminants are treated biologically, and can be additionally treated through oxidation or chemical reduction**
- **Long lasting treatment with no additional costs after initial application**
- **Effective as a standalone and works simultaneously with various treatment chemistries**

The unique absorption capability of BAM prevents exterior surface microfilm buildup. This allows BAM to absorb contaminants for more productive bio-attenuation of contaminants over a longer period of time. Granular Activated Carbon (GAC) primarily adsorbs contamination to the surface of the media, which then is subject to bio-film development, preventing further adsorption. As a result, BAM has been proven to supply long term maintenance free remedial abilities over GAC. Laboratory tests have also shown that BAM has significantly more absorptive capacity than commercially available GAC products.

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Application

The diverse honeycomb structure has various size pore openings. This variation in pore size enables BAM to be efficient at storing CO2, treatment chemistries, and absorbing multiple contaminants from large chain structures to small chemical compounds. The greater storage capacity allows for favorable environments for the long-term destruction of contaminants. In recent years, the focus at TCA contaminated sites deepened to also investigate 1, 4-Dioxane. Also, Per and Polyfluoroalkyl Substances (PFASs) are also being investigated, especially at site where PFA containing fire retardants were used. Research for their adverse health effects of these emerging contaminants led to the EPA establishing new Minimal Risk Levels for both of the contaminants, and treatment solutions will need to be employed. Through ORIN's continued research, BAM has been successful at treating 1, 4-Dioxane, PFASs, and other listed contaminants.

BAM's exceptional ability to work alone in both aerobic and anaerobic conditions with numerous other treatment chemistries makes it a flexible treatment choice. This characteristic follows ORIN's belief of choosing the right treatment option for the contaminant based on the sites specific parameters. Chemical oxidation or chemical reduction work more effectively than traditional methods due to the increased contact between the treatment chemistry and the absorbed contaminant. In addition to contaminant degradation on the absorption site, chemical treatment addresses residual contaminant that is bound to the soil. Again, this approach treats soils and groundwater for both in-situ and ex-situ applications.

Some Examples of Treated Contaminants

Total Petroleum Hydrocarbons
- DRO
- GRO
- ORO

Aromatic Hydrocarbon Compounds
- BTEX

Chlorinated - VOCs
- 1-4,-Dioxane
- Carbon Tetrachloride
- -ethenes(PCE/TCE)
- -ethanes(DCA/PCA)

Semi Volatile Organic Compounds
- Naphthalene
- Pyrene's
- Phenol's

Pesticides
- BHC's
- DDT
- Toxaphene

Per/Polyfluoroalkyl Substances (PFASs)
- Perfluoroctane Sulfonate (PFOS)
- Perfluorooctanoic Acid (PFOA)

And More!

BAM can be utilized in conjunction with the following chemistries:

- Peroxy Compounds
- Carbon Sources
- Zero Valent Metals

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SDS	Safety Data Sheet

Section I Chemical Product and Company Identification

Product Name	BAM
Synonyms	Not Assigned
CAS Number	7440-44-0
Active Ingredients	Pyrolized Cellulosic Material
Recommended Use	No data available
Restrictions on Use	No data available
Formulated by	ORIN Technologies
Address	405 Investment Court
Emergency Phone Number	**8 AM-5PM CST**: 608-838-6699 **5 PM -8 AM CST, Weekends, Holidays**: 262-82107024 **CHEMTREC**: 1-800-424-9300

Section II Hazard(s) Identification

Signal Word	Warning
Hazard Statements	May Cause Skin Irritation May cause Eye Irritation May cause Respiratory Irritation
Precautionary Statements - Prevention	Do not breathe dust, fume, gas Wash thoroughly after handling Use only outdoors or in a well-ventilated area Wear gloves, eye, and face protection and protective clothing
Precautionary Statement – Response	IF ON SKIN – Wash with plenty of soap and water IF INHALED – Remove victim to fresh air and keep at rest position comfortable for breathing. IF IN EYES –Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing Call a POISON CENTER or doctor if you feel unwell If skin irritation occurs: Get medical advice or attention. If eye irritation persists: Get medical advice or attention. Take off contaminated clothing and wash before reuse.
Storage	Store in a well ventilated place. Keep container tightly closed. Store in a secure manner.

Exposure Limits	**Synergistic Products**	**Sensitization/Irritancy:**	**Carcinogenicity/Teratogenicity/ Mutagenicity/Reproductive Effects:**
ND	ND	ND	None Known

Section III Composition and Information on Ingredients

Chemical Name	CAS#	w/w%
Carbon (Wood Derived)	7440-44-00	85-95 wt% dry basis
Minerals (Wood Derived)	N/A	5-10 wt% dry basis
Water	7780-20-0	

Hazardous Ingredients: NONE

Section IV First Aid Measures

Skin	Wash with soap and water. Not expected to be harmful under normal conditions of use.

Eyes	Remove Contacts. Flush promptly with plenty of water for at least 15 minutes.
Inhalation	Remove to fresh air.
Ingestion	If suffering gastrointestinal discomfort, treat symptomatically.

Section V Fire-Fighting Measures

Flammability	This product should not come into contact with naked flames.
Means of Extinction	Foam, Water Spray, CO_2

Flashpoint	NA	Auto-Ignition Temperature	ND
UEL	NA	TDG Flammability Class	ND
LEL	NA	Hazardous Combustion Products	NA

Section VI Handling and Storage

Engineering Controls	Ventilate
Leak or Spill Procedure	Sweep up into suitable container. Prevent entry into waterways.
Handling Procedures and Equipment	Avoid direct and prolonged contact with skin
Storage Requirements	Store in a cool, dry place

Section VII Exposure Controls/Personal Protection

Personal Protective Equipment	Respiratory:	No special protection is needed when using this product as directed.
	Eyes:	Dust mask could be worn if prolonged use of this product in confined areas is expected.
	Gloves:	No special protection is needed when using this product as directed.

Section IIX Physical and Chemical Properties

Physical State		Solid			
Odor and Appearance		Brown to black blend of natural organic and mineral substances. Slightly earthy odor.			
Odor Threshold	NA	Specific Gravity	1.5-2.1 for solid matrix, bulk density varies.	Evaporation Rate	ND
Vapor Pressure	1@3586 C	Vapor Density	ND	Density	ND
Boiling Point	NA	Freezing Point	NA	pH	7-9.5

Section IX Stability and Reactivity

Chemical Stability:	Stable	Incompatibility:	Strong acids, alkalis, and oxidizing agents.
Conditions of Reactivity:	NA	Hazardous Decomposition Products:	Strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. may result in rapid combustion. Avoid contact with strong acids.

Section X Disposal Considerations

Disposal	Sweep, vacuum or shovel material into labeled container. If at all possible, reuse product. Keep out of any bodies of water.

Section XI Transport Information

Shipping Information	Not regulated

Section XII Other Information

The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. The information and recommendations are supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will ORIN Technologies, LLC. or any of its agents be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information and recommendations. No representations or warranties, either expressed or implied, of merchantability, fitness, or a particular purpose or of any other nature are made here under with respect to information or the product to which information refers.

Preparation Information	Department	Technical
	Phone Number	608-838-6699
	Date	August 2015

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